

City of Alpharetta

Solid Waste Management Plan

2010-2021

Table of Contents

Section 1 Introduction.....	2
Section 2 Waste Disposal Stream Analysis	4
Section 3 Waste Reduction Element.....	8
Section 4 Collection Element.....	14
Section 5 Disposal Element	17
Section 6 Land Limitation Element	19
Section 7 Education and Public Involvement Element.....	22
Section 8 Implementation Strategy and Short Term Work Plan.....	25
Section 9 Appendix.....	27
A Topographic Map	
B Atlanta Regional Commission Regional Development Center Composition Element	
C Utility Brochure	
D Contract and Contract Amendment Landfill	
E Disaster Response and Contingency Plan	
F Capacity Letter	
G Land Limitation Maps	
H Public Hearing One	
I Public Hearing Two	

Section 1 Introduction

1.1 Planning Area

The planning area includes the City of Alpharetta. Alpharetta is located in the North Atlanta Metro area approximately 28 miles north of downtown Atlanta and is one of five cities incorporated within North Fulton County. It is comprised of 27.27 square miles. This document will serve as a local plan for the City. The Atlanta metro area is located in the Piedmont region of Georgia and there are no significant topographical features that significantly affect solid waste management activities. A topographic map is attached as Appendix A.

The Standards and Procedures provided herein are for the implementation of the Georgia Comprehensive Solid Waste Management Act, O.C.G.A. § 12-8-20 *et seq.*, and are intended to provide comprehensive solid waste management planning for the City of Alpharetta. As the Act also established an integral relationship between solid waste planning, reporting, and permitting, the Minimum Standards and Procedures are designed to promote and reinforce the link between solid waste plans, the Solid Waste Annual Survey and Full -Cost Report, and facility permits.

The Solid Waste Management Act requires that each plan:

- Provide for the assurance of adequate solid waste planning capability and disposal capacity within the planning area for at least ten (10) years from the date of plan completion.
- Promote a program to reduce the per capita rate of municipal waste disposed in solid waste facilities.
- Identify solid waste handling facilities within the plans area as to size and type.
- Identify land areas in the planning area unsuitable for solid waste handling facilities based on environmental and land use factors.

This plan represents the 10-year Plan update for the planning period from 2011 to 2021. The previous plan was adopted in 2005. The original plan was adopted in 1993.

1.2 Population

Alpharetta's population increased from 30,511 in 2000 to an estimated 52,558 in 2010 which represented a 72% increase. The City's growth rate outpaced that of the Fulton County (county), Atlanta Regional Commission counties (region), Atlanta-Sandy Springs- Marietta Metropolitan Statistical Area (MSA) and the State of Georgia (state). Population increases occurred due to greenfield suburban development, as well as, annexation. The latest year for which comparable data is available for adjacent communities is 2009. Alpharetta was the fourth largest city in North Fulton County behind Roswell, Sandy Springs and Johns Creek. Alpharetta is projected to grow to a population of 61,661 by 2021. The existing City limits must accommodate population

growth since annexation is no longer possible. Table 1-1 indicates the anticipated population projections for the City of Alpharetta to 2021. Alpharetta experienced a 54% increase in housing units growing from 13,894 in 2000 to 20,894 in 2009 as a direct consequence. Some of this increase is a result of recent annexations. This rate of growth is not expected to continue. Table 1-2 shows the 2010 breakdown of single-family and multi-family households.

Table 1-1 Population

2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
52,558	53,345	54,132	54,919	55,706	56,494	57,355	58,216	59,077	59,938	60,800	61,661

Source: City of Alpharetta Community Development 2011

**Table 1-2
Number of Single and Multi-Family Households**

Single-Family	Multi-Family
15,535	5,396

Source: City of Alpharetta Community Development Department June 2010

1.3 Economic Activity

The City of Alpharetta 2030 Comprehensive Plan offers an overview of the City's economic status and goals for future development. Alpharetta is committed to retaining our existing quality businesses and to further strengthening the economic base. Recent trends include the redevelopment of vacant retail centers and revitalization of the downtown area. Despite losses during the economic downturn, Alpharetta remains a strong employment center for office and retail.

**Table 1-4
Employment**

Number of Businesses	Number of Employees
4,079	69,698

Source: City of Alpharetta Community Development Department June 2010

Section 2 Waste Disposal Stream Analysis

2.1 Inventory of Waste Disposed

Alpharetta's solid waste stream is comprised of residential, commercial, light industrial, and construction and demolition (C&D) materials. Since no detailed waste stream characterization data is available for Alpharetta or Fulton County, the *Georgia Statewide Waste Characterization Study (2005)* has the best information available. Alpharetta is in the Atlanta Regional Commission Regional Development Center (RDC) which was studied in detail. The waste characterization percentages for the RDC are in Table 2-1. These results reflect an aggregate of the Municipal Solid Waste (MSW) waste stream of both commercial and residential contributions. Paper is by far the largest sector of the waste stream followed by organics and plastics. Private haulers report tonnages to the City; however, the break out of waste composition by sector is not available. The *Georgia Statewide Waste Characterization Study (2005)* contains this information. A copy of the Composition Element from this report for Atlanta Regional Commission Regional Development Center is found as Appendix B. Analysis from the study also reports that more than 25% of all disposed waste is commonly paper that could be recycled. This is very similar to the state as a whole.

Table 2-1
Estimated Waste Amounts and Composition

Atlanta Regional Development Center
Paper (40%)
Plastic (16%)
Glass (4%)
Metal (6%)
Organic (26%)
C&D (5%)
Inorganic (3%)
<i>Source: Georgia Statewide Waste Characterization Study, 2005. Atlanta Regional Commission (ARC) averages</i>

2.2 Seasonal Variations

Alpharetta does not experience any significant seasonal changes in population that would affect the amount of Municipal Solid Waste (MSW). Yard waste fluctuations vary seasonally from the disposal of grass clippings and leaves during the summer and fall.

2.3 Waste Generating Disasters

The City of Alpharetta cannot predict amounts of additional waste that might be generated by an unanticipated disaster. Strong storms in 2009 resulted in large amounts of fallen trees and property damage. City employees and private contractors worked with Republic/BFI to collect and dispose of large amounts of debris. Emergency preparedness plans are in place for the City to coordinate with the respective level of need in accordance with FEMA regulations. Republic Services DBA BFI Waste Services, LLC DBA Allied Waste Services of Lawrenceville, GA a Delaware limited liability company authorized to do business in the State of Georgia (herein referred to as "BFI") has submitted an Emergency Response and Contingency Plan dated August 31, 2011. This Plan is attached as Appendix B.

2.4 Projections of Waste to be Disposed

Alpharetta's Municipal Solid Waste (MSW) waste stream is comprised of landfilled MSW from residences and businesses and yard wastes. Yard wastes are disposed in inert facilities and are not landfilled at a municipal solid waste facility. Yard waste tonnages are included in the tonnages of waste disposed. Projections of anticipated waste to be disposed is calculated using 2010 tonnage reports from haulers, a 2010 per capita disposal rate and projected population. The 2010 per capita disposal rate for Alpharetta is 4.7 pounds per capita per day or 0.858 tons per person per year. Table 2-4 A represents the projected waste to be disposed within the planning period if further waste reduction and recycling do not occur. Table 2-4 B represents a projected representation of the waste characterization.

**Table 2-4 A
Waste Disposed Targets for Planning Period
City of Alpharetta**

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Projected Population	52,558	53,345	54,132	54,919	55,706	56,494	57,355	58,216	59,077	59,938	60,800	61,661
Tons Disposed	45,094.76	45,770.01	46,445.26	47,120.50	47,795.75	48,471.85	49,210.59	49,949.33	50,688.07	51,426.80	52,166.40	52,905.14
Per Capita Tons Disposed	0.858	0.858	0.858	0.858	0.858	0.858	0.858	0.858	0.858	0.858	0.858	0.858

Source: City of Alpharetta

Table 2-4 B
Waste Characterization Disposal Projections
City of Alpharetta

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
<i>Paper (40%)</i>	18,308.00	18,578.10	18,848.20	19,118.30	19,388.74	19,684.24	19,979.73	20,275.23	20,570.72	20,866.56	21,162.06
<i>Plastic (16%)</i>	7,323.20	7,431.24	7,539.28	7,647.32	7,755.50	7,873.69	7,991.89	8,110.09	8,228.29	8,346.62	8,464.82
<i>Glass (4%)</i>	1,830.80	1,857.81	1,884.82	1,911.83	1,938.87	1,968.42	1,997.97	2,027.52	2,057.07	2,086.66	2,116.21
<i>Metal (6%)</i>	2,746.20	2,786.72	2,827.23	2,867.75	2,908.31	2,952.64	2,996.96	3,041.28	3,085.61	3,129.98	3,174.31
<i>Organic (26%)</i>	11,900.20	12,075.77	12,251.33	12,426.90	12,602.68	12,794.75	12,986.83	13,178.90	13,370.97	13,563.26	13,755.34
<i>C&D (5%)</i>	2,288.50	2,322.26	2,356.03	2,389.79	2,423.59	2,460.53	2,497.47	2,534.40	2,571.34	2,608.32	2,645.26
<i>Inorganic (3%)</i>	1,373.10	1,393.36	1,413.62	1,433.87	1,454.16	1,476.32	1,498.48	1,520.64	1,542.80	1,564.99	1,587.15
<i>Totals</i>											
<i>Tons/year</i>	45,770.01	46,445.26	47,120.5	47,795.75	48,471.85	49,210.59	49,949.33	50,688.07	51,426.80	52,166.4	52,905.14
<i>Tons/day</i>	125.40	127.25	129.10	130.95	132.80	134.82	136.85	138.87	140.90	142.92	144.95

The methodology used to determine disposal rate is based on known determinants of tons of waste disposed and population. The formulae used are as follows:

$$\frac{\text{Annual tons disposed (land filled + yard waste)}}{\text{Population}} = \text{tons per capita per year}$$

$$\text{Tons per capita per year} \times 2000 \text{ pounds} = \text{pounds per capita per year}$$

$$\frac{\text{Pounds per capita per year}}{365 \text{ days per year}} = \text{pounds per capita per day}$$

2010 calculations are:

$$\frac{45,124.23 \text{ tons disposed}}{52,558 \text{ population}} = 0.858 \text{ tons per capita per year}$$

$$0.858 \text{ tons per capita per year} \times 2000 \text{ pounds} = 1,716 \text{ pounds per capita per year}$$

$$\frac{1,716 \text{ pounds per capita per year}}{365 \text{ days per year}} = 4.7 \text{ pounds per capita per day}$$

Forty percent of the waste stream is comprised of paper, much of which is typically recyclable if given the option. Analysis of Alpharetta's waste stream reports indicate that 63% of the solid waste landfilled in 2010 was generated by the commercial sector; whereas, 37% is generated by residential customers. Additional efforts are needed to target paper recycling and source reduction by area businesses as well as by residents.

2.5 Per Capita MSW Disposal Reduction Goal

A disposal rate of 5.91 pounds per capita per day was calculated in 2005. Results from 2010 show that the disposal rate has dropped 20% to 4.70 pounds per capita per day in 2010. Alpharetta provides recycling incentives, community collections and outreach programs to encourage overall waste reduction and recycling. Further reductions can be accomplished through the programs that are already in place. The City has set a 10% per capita reduction goal over the next ten years. Table 2-5 A reflects a reduction from 0.849 tons per capita per year in 2011 to 0.764 per capita per year in 2021. Accomplishing this goal will reduce the amount of MSW being landfilled by 32,995.76 tons within this planning period.

Table 2-5 A
Waste Disposed Targets for Planning Period
City of Alpharetta

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Projected Population	52,558	53,345	54,132	54,919	55,706	56,494	57,355	58,216	59,077	59,938	60,800	61,661
Tons Disposed	45,094.76	45,289.91	45,525.01	45,747.53	45,901.74	46,099.10	46,285.49	46,514.58	46,670.83	46,811.58	46,998.40	47,109.77
Per Capita Tons Disposed	0.858	0.849	0.841	0.833	0.824	0.816	0.807	0.799	0.790	0.781	0.773	0.764

Source: City of Alpharetta

Section 3 Waste Reduction Element

3.1 Source Reduction

Source reduction is any action taken to prevent the generation of waste in the first place. It can include reducing the amount of solid wastes generated at the source; redesigning of products or packaging so that less material is used, resulting in fewer discarded materials; voluntary or imposed behavioral changes in the use of materials which results in the selection of products and materials which last longer, or reduce the amount of materials discarded; or increasing the durability and reusability of materials to result in longer lasting products.

Workshops are offered each year by the City that emphasize water-wise practices and composting. Landscaping to reduce turf areas, grasscycling and composting can be effective ways to reduce the amounts of yard wastes; this is the second largest type of wastes being disposed. The City participates in the EverGreen Schools program which offers the "Waste in Place" curriculum lesson plans that focus on waster management including source reductions. Additionally, all City offices recycle and have a mandatory "Buy Recycled" purchasing policy. .

3.2 Recycling

Commercial

As a strategy for managing commercial waste, the City of Alpharetta requires that all new commercial developments include a waste generation analysis (WGA) on their civil plans which demonstrates a 25% minimum solid waste reduction. The construction plans must demonstrate that there is a dedicated location for recycling which is large enough to accommodate the recyclables as calculated in the WGA. Prior to obtaining an annual business license, applicants must sign an affidavit stating that they are aware of the City's commercial recycling requirement and that they are in compliance. Commercial sites are audited on a random basis for compliance. City businesses may choose any of the permitted companies to provide their services with varying fees charged based on the company providing the service. Different landfills may also be used.

Residential Curbside

The City of Alpharetta provides weekly curbside collection of garbage, recycling and yard waste to all residents. A Utility Brochure explaining these services is attached as Appendix C. The curbside service is accomplished through a third-party contract with BFI. There is one fee for all curbside services. Alpharetta implements a "Pay-As-You-Throw" fee structure as a financial incentive for source reduction of solid waste. "Pay-As-You-Throw" directly supports waste prevention and recycling because residents pay for whatever they throw out. A staged pricing system is in place where customers may use one of two sizes of collection carts that are provided by the City. Should the customer wish to dispose of more garbage than will fit into their waste receptacle, they may purchase bag tags for those items through the City as needed. Conversely, additional recycling is accepted at no additional cost.

Alpharetta accepts an extensive list of recyclable items in its curbside single stream collection program. These include aluminum and metal food & beverage cans, foil & pie tins, glass, food/beverage containers, clean newspaper, catalogs, all #1 through #7 plastic containers, magazines, phone books, white or colored paper, chipboard boxes (cereal, soda, cracker, detergent boxes), and corrugated cardboard (broken down to 2 x 2 size in order to fit into the recycling bin). A breakout by item is not currently available.

A new recycling incentive program was launched in April 2010 that rewards residents based on the amount they recycle. RecycleBank is a rewards program that motivates participants to recycle by offering points for recycling efforts. A large rolling 68-gallon recycling cart is provided to each home. A tracking chip in the container enables the measurable component which tracks recycle material weight. Recycling results in points and points can be used for rewards from local and national businesses or to donate to local schools and charities. Data generated through this system is useful in solid waste management planning. Tonnage reports show an approximate 19% increase for residential recycling between Apr-Dec 2009 and Apr-Dec 2010.

Additional recyclables can be brought to two area recycle centers that are located nearby. The Roswell Recycle Center is located between the Cities of Alpharetta and Roswell at 11570 Maxwell Road in Alpharetta. The R. V. Dick Schmaltz Recycling Center is located at 470 Morgan Falls Road in Sandy Springs. Although neither recycling center is located within the City limits, both accept recyclable items from Alpharetta citizens, as well as, surrounding Metro-Atlanta suburban areas. All City offices have recycling bins for office paper, plastic and aluminum cans. Additional items recycled are bulbs, aluminum signs and posts, and electronics.

A Christmas tree recycling collection is offered as part of the Keep Georgia Beautiful "Bring One for the Chipper" Program. Approximately 3,000 trees are diverted from the Alpharetta waste stream and recycled by chipping them into free mulch. Two community shredding events are held annually for residents to safely shred sensitive documents resulting in the recycling of approximately 8,000 pounds of paper per event.

Additional recycling opportunities are offered through local businesses and schools. There are currently no programs for tracking these activities. The City's EverGreen Schools Program works with private and public schools to implement environmental programs. Many of our schools have established recycling programs for paper, cell phones, eyeglasses, printer cartridges, athletic shoes and other items. Schools conduct ongoing programs including recycling collections for Earth Day and America Recycles Month.

Special Events

Alpharetta was awarded one of the "Away From Home Recycling" turn-key kits from the Georgia Department of Community Affairs in 2008. The trailer contains 100 event recycling bins that are used for City special events. The resources are available for loan to area businesses to encourage more events recycling. One City event that uses these

recycling capabilities is Taste of Alpharetta. Taste of Alpharetta is one of the largest events of its kind on the east coast and attracts an estimated 70,000 people each year. These recycling bins have made recycling at this event possible since 2008.

Local businesses also offer recycling and waste reduction opportunities. Reusable bags are available and encouraged by local grocers, some of which also offer plastic bag collection containers. Office retail stores such as Staples and Best Buy offer electronics recycling options. A recycling option for energy efficient bulbs is offered by The Home Depot.

Residents with questions or inquiries may be directed to the City Finance Department or to the Republic customer service line. Schedules and applicable information are available through the City web site, bill inserts, and letter correspondence if necessary.

Waste reduction is directly linked to community education and will continue to be an important component of waste management in Alpharetta. The City of Alpharetta will continue to provide quality and cost effective service to Alpharetta customers; to continually evaluate solid waste service and identify areas where beneficial changes can be made.

There is an abundance of opportunities for residents to recycle many items whether curbside, at a recycle center or at a special community collection. Adding the RecycleBank program and its incentives has already resulted in an increase in the amount of recycled materials collected in the first year. We expect to see a continued increase in residential recycling.

A review of FY2010 tonnage reports indicates that residents generate 37% of the trash and account for 73% of the recycling tonnages. Consequently, businesses generate 63% of the trash and 27% of the recycling tonnages. It is possible that all of the recycling records from haulers may not have been submitted; however, there is a need to work with businesses to improve their ability to recycle as much as possible. Additional opportunities for adding new beneficial programs and incentives will be evaluated for both residents and businesses as they become available.

3.3 Yard Trimmings Programs and Facilities

Alpharetta provides weekly curbside pick up of residential yard wastes with ultimate disposal at the Chadwick landfill in the permitted area for yard wastes. Currently, there is no way to track the amount of yard wastes form within City limits going to inert landfills by every private landscape and tree company for wastes. The City promotes composting to reduce yard wastes and other organics. Composting workshops and truck load sales of composting bins have placed approximately 450 units in 2010 and 2011 to North Fulton residents.

**Table 3-3 A
Yard Trimmings Programs
(2011)**

Program	Owner/Operator	Jurisdictions Served	Sector Served*	Materials Accepted	Quantity	Program Maximum Capacity	Final Disposition
Municipal curbside yard trimmings	City of Alpharetta	City residents	R	Brushy waste (less than 4" in diameter?)		N/A	Inert landfill
Home composting educational program	City of Alpharetta and North Fulton Partners	North Fulton	R	Vegetative food, yard trimmings	Distributed 450 bins in 2010 & 2011	Truck load sale of composters and rain barrels	Residents make and use compost
		North Fulton	R	Vegetative food, yard trimmings	One workshop annually	Workshops	
Private tree/landscaping entities	Private	All	R, C, I, CD	Grass, leaves, trees and brush			On-site mulching/grinding for retail sale or inert landfilling

1 R= Residential, I=Industrial, C=Commercial, CD=C&D
Source: City of Alpharetta

3.4 Items Requiring Special Handling

Some materials require special management. These include household hazardous wastes (HHW), paint, electronics, white goods, batteries, mercury and other materials. Residents can arrange for curbside pick up of white goods, bulky items and tires. Special community collections are offered for HHW, paint and electronics. Lead acid batteries and tires may be taken to either recycle center or to service centers where new replacements are purchased.

Residential Special Collections

Alpharetta offers community collections for household hazardous waste (HHW), paint and paint-related substances. A full range of products are collected including; but not

limited to, pesticides and other yard chemicals, poisons, paint, pool chemicals, mercury, flammables, solvents, bulbs batteries, etc. To date, four collections have been offered. Two collections will occur in FY2011.

Electronics Collections

Outdated and unusable computer and electronic equipment are an increasing concern. These products contain toxic chemicals that can be reclaimed and reused rather than disposal in a landfill. Alpharetta began offering community electronics recycling collections in 2003. Since then, two to three collections have been conducted annually.

All North Fulton Residents are welcome at these collections that are made possible through community partnerships. Permanent drop off locations are available at City offices for cell phones and ink jet cartridges. Both area recycling centers accept electronics for recycling.

**Table 3-4
Management of Special Materials**

Material	Targeted Sector(s)¹	Management Strategy	Final Disposition of Material(s)
Electronics	R	Annual community collections – 2 to 3 per year	Dismantled by private recycler and parts/metals sold.
Bulky Items	R	Weekly curbside collection	Inert landfill
Paint and Related Products	R	Weekly pick up of dried paint and jurisdiction sub-contracts management of materials, one event held per year at Engineering/Public Works Facility.	Some recycled
HHW	R	Jurisdiction sub-contracts management of materials, one event held per year at Engineering/Public Works Facility.	Some materials recycled, others disposed at special material landfills
Lead Acid Batteries	R, C	Area recycling facilities and battery retailers	Recycled
White Goods	R	Municipality collects, hires sub-contractor to manage.	Recycled
White Goods	CD, I, C	Generators hire private entities to manage scrap	Recycled
<small>¹ R= Residential, I=Industrial, C=Commercial, CD= C&D (construction/demolition) Source: City of Alpharetta</small>			

3.5 Assessment of Waste Reduction Programs

Alpharetta's waste reduction goal of a 10% reduction is based on the statewide goal to reduce by 25 percent the amount of waste disposed per capita. A 20% reduction has occurred from 2005 to 2010 so a further reduction by 2021 would be in line with this goal.

The Recyclebank Program brings awareness of the types and amounts of items being disposed. Additional materials will be developed to further promote participation as well as source reduction. Outreach will concurrently be developed for area businesses regarding waste reduction and recycling options.

Additional efforts will be made to educate residents about ways to reduce yard wastes and to encourage recycling practices. Yard wastes are currently diverted from municipal lined landfills by disposal at inert landfill facilities which is in accordance with state law.

The Georgia Statewide Waste Characterization Study (2005) evaluated the Atlanta Regional Commission Regional Development Center in detail. There are adequate recycling businesses to handle material collection in the area to collect and process materials so that they meet specifications of available markets. Development of area composting options for yard wastes would present other options for disposal.

Section 4 Collection Element

4.1 Existing Programs

Alpharetta has not directly provided garbage service since 1982, but does contract this service out. The City has no plans to change this policy and will continue to contract with a private vendor for residential services. The business sector contracts directly with a waste hauler from the City's approved vendor list. The City will continue to exercise due diligence in obtaining contracts which satisfy the economic considerations of citizens while assuring maximum service options in garbage pickup and curbside recycling. This service is managed by the City Finance Department. Currently, the contracted vendor is BFI. BFI collects trash weekly from 14,390 residential households. Businesses are served by five waste haulers licensed through the City for their garbage service. Copies of the existing contract and amendment service agreements with BFI are included in the Appendix D.

Alpharetta offers a curbside recycling program which is explained in more detail in Section 3. BFI provides this service for the City and reports the volumes recycled as well as the volumes landfilled. City offices recycle cardboard, plastics, mixed office paper and corrugated cardboard.

There are no staffed or un-staffed drop centers for recycling within the City limits. Many items which cannot be accepted curbside can be taken to either the Roswell Recycling Center or the R. V. Dick Schmaltz Recycling Center. Manned Goodwill drop-off trailers are available at both locations for items with re-use value. The Alpharetta branch library accepts used books for re-sale at their book fairs.

The City contracts with a private vendor for yard waste services. The current yard waste collection services are provided by BFI. The curbside collection of yard waste in the City began January 2, 1993. Items collected as part of this service include grass, leaves, pine straw, pinecones, garden debris, thatch, and tree limbs. All yard waste must be containerized with the exception of limbs. The program will continue to collect yard waste in the same manner with ultimate disposal at the Chadwick Landfill or another inert landfill and in accordance with current requirements. No yard waste will be disposed at a municipal landfill.

Collection service for bulky items changed in 2009. Historically, curbside pick up was arranged for a fee and two amnesty community collections were offered in conjunction with the City of Roswell. The City has discontinued the amnesty collections in favor of including curbside pick up of bulky items upon request as part of the normal service and at no additional cost to the residents.

Waste Management owns and operates a MSW transfer station which is located at 11465 Maxwell Road.

**Table 4-1
Haulers Operating in Alpharetta**

Hauler Name	Sector Served¹	Jurisdiction(s) Served	Arrangement²
BFI	R, C	City of Alpharetta	Operates under third party contract with the City of Alpharetta to provide all residences with weekly garbage, recycling, yard waste and bulky trash pick up.
Advanced Disposal Services	C	City of Alpharetta	Serves commercial sector
American Disposal Serv of GA	C	City of Alpharetta	Serves commercial sector
Waste Pro	C	City of Alpharetta	Serves commercial sector
Waste Management	C	City of Alpharetta	Serves commercial sector
¹ R= Residential, I=Institutional, C= Commercial, CD= Construction & Demolition (C&D) ² i.e., contract with local government, franchise agreement with local government, independent contract with generators, etc. Source:			

4.2 Contingency Strategy and Disaster Debris Management

A contingency strategy for the interim collection of solid waste generated within the jurisdiction in the event one or more of the primary collection options become interrupted is attached as Appendix E.

4.3 Assessment of Collection Programs

The current collection programs are adequately serving the present and future community needs and the City is meeting its waste reduction goals. The City will continue to maintain this service level as a part of the contract and bid review process for solid waste services. The City contract is currently in effect until 2020. The City will insure at each contract renewal that the service provider has developed a strategy for providing an effective and affordable collection system for the ten-year planning period. As part of the bid review process, the City evaluates each provider's ability to provide innovative waste reduction strategies to our citizens. A contingency strategy for the interim

collection of solid waste in the event the primary collection option becomes interrupted is required.

4.4 Programs to Address Illegal Disposal / Dumping Code Enforcement

Alpharetta has four fulltime code enforcement officers within the Community Development Department, as well as, a Code Enforcement Board consisting of residents appointed by Mayor and Council. The code enforcement group enforces a wide range of City regulations, including environmental, health, safety and property maintenance codes. Code Enforcement ensures that residential and business properties are properly maintained, that trash and debris are removed, and that inoperative/junk vehicles are not illegally stored.

When code enforcement has a recurring problem with dumping, they work closely with the property owner to secure the site and prevent further access. They also work in conjunction with the Public Safety Department to patrol less visible locations on a 24-hour basis. As a result of these efforts, illegal dumping is not a significant problem in Alpharetta. The current staffing is adequate for serving present and future community needs and to facilitate progress towards the waste reduction goals

Section 5 Disposal Element

5.1 Inventory of Solid Waste Disposal Facilities

The Richland Creek Road Landfill, owned and operated by Allied Waste Management receives Alpharetta's municipal garbage. This landfill has a 164 acre landfill footprint with over 5 million tons of waste in place. Approximately 14,390 residential customers disposed an estimated 16,085.45 tons of landfilled MSW in FY11. Commercial customers disposed an additional 20,383.51 tons. Commercial solid waste is disposed at three additional area landfills as listed below. None of these landfills are located within the City limits. The analysis in Section 2.4 projects residential and commercial MSW equating to 52,905.14 tons for disposal in 2021.

**Table 5-1
Inventory of Disposal Facilities to Be Used During the Planning Period
(2010-2021)**

Facility Name	Jurisdiction(s) Using Facility	Permit Number	Owner/Operator	Facility Type	Types of Waste Accepted	Maximum Capacity (TPD)	Year Expected to Reach Capacity
BFI	Buford Gwinnett	067-032D(SL)	BFI- Richland Creek Rd (SL)	Municipal Solid Waste Landfill	MSW	23,609,066 (2010)	09/38
BFI - Yard Waste Community Waste - Yard Waste	Roswell/ Fulton	060-072D(L)	Chadwick Rd Landfill, Inc.	Construction and Demolition Landfill	C&D, Yard wastes	1,881,861 (2010)	8/20/2018
United Waste	Winder/ Barrow	007-020D (SL)	Republic Waste - Oak Grove SR 324	Municipal Solid Waste Landfill		9,498,252	9/5/2034

Source: Georgia Environmental Protection Division , http://www.gaepd.com/Files_XLS/regcomm/ob/swcapacity2010.xls

5.2 Assurance of 10-Year Capacity and Assessment of Disposal

As per the Georgia Comprehensive Solid Waste Management Act of 1990, the City contractor must provide capacity assurance for the length of the contract period. Richland Creek is the current landfill receiving MSW from City residents. Based upon a

projected waste to be disposed, Richland Creek Landfill has adequate capacity to serve the needs of Alpharetta for the 10-year planning period from 2011 to 2021. A capacity assurance letter from Republic Services of Georgia, Limited Partnership (BFI) verifies that the Richland Creek Facility has sufficient capacity to meet Alpharetta's MSW needs past 2021. This document is attached as Appendix F.

5.3 Thermal Treatment Facilities

There are no thermal treatment facilities within the City of Alpharetta, (including waste-to-energy, refuse-derived fuel, wood waste incinerator, tire-derived fuel, co-firing industrial boiler).

5.4 Assessment of Disposal

The current contract with BFI is in effect until March 31st 2017 with three (3) additional one (1) year renewal extension options. The City will continue to use contractors who are properly permitted with the state and who operate environmentally sound landfills. Included in the Appendices are copies of the current City contracts.

Alpharetta has received assurance that the current landfill receiving the residential MSW has adequate capacity for the projected amounts of waste through 2021. Any new contract will require that the City hauler provide adequate capacity assurance for MSW disposal and the contingency strategy for the interim disposal of the solid waste in the event the primary disposal option becomes interrupted.

Alpharetta's yard waste is disposed at the Chadwick Landfill sections appropriate for yard waste and in accordance with current requirements. Since this landfill will reach capacity in 2018, prior to 2021, Republic has access to other inert landfill options for disposal if necessary. There are several inert landfills within the vicinity that could accept these materials.

5.5 Statement of Needs and Goals

Alpharetta will evaluate the cost effectiveness and environmental impact of any new area options that provide for recycling of yard wastes.

Section 6 Land Limitation Element

6.1 Inventory Areas with Natural Environmental Limitations

Alpharetta has a number of land areas which, due to environmental limitations, are considered unsuitable for development of recycling, recovery, composting or solid waste disposal facilities (collectively known as solid waste management facilities). The City environmental ordinances include:

- Water supply watersheds;
- Groundwater recharge areas;
- Wetlands;
- River and stream corridors; and
- Floodplain and future floodplain.

These environmental ordinances can be found in the Unified Development Code Article 3, available on the City website at <http://www.alpharetta.ga.us/index.php?m=publications&id=17>

Fault Areas: Georgia Department of Natural Resources requires that new landfills and lateral expansions shall not be located within 200 feet of a fault that has had displacement in the Holocene Epoch unless the owner demonstrates to EPD that an alternate design is appropriate.

Seismic Impact Zones: Georgia Department of Natural Resources prohibits the construction of new landfills and lateral expansions in seismic impact zones unless the owner demonstrates to EPD that all containment structures (including liners, leachate collection systems and surface water control systems) are designed for the specific site conditions.

Unstable Areas: Georgia Department of Natural Resources and the City of Alpharetta require owners of new and existing landfills to demonstrate that engineering measures have been incorporated into the landfill design to ensure the integrity of the structural components.

Alpharetta has no protected mountains.

The City wetlands are delineated on a site specific basis prior to development. Our floodplain and future floodplain maps are currently being updated by our Stormwater Engineering Division and available by request to that division. The water supply watershed map is in the Appendix.

6.2 Inventory Areas with Land Use Limitations

National Historic Sites: Municipal landfills are not permitted within 5,707 yards of a National Historic site. Alpharetta currently has no properties listed on the National Historic Register. Any proposed facility would be required to demonstrate compliance with this requirement.

Archeological Sites: The Archeological Resources Protection Act of 1979 requires agencies using federal funds to conduct archeological investigations to determine the extent of any protected cultural resource. No solid waste handling facility should be located so as to negatively impact an area of known archeological sites on record with the Georgia Archeological Site File. Alpharetta currently has no properties listed in the Georgia Archeological Site File. Any proposed facility would be required to demonstrate compliance with this requirement.

Municipal Borders: The Georgia Comprehensive Solid Waste Management Act prohibits the construction of a municipal solid waste facility within one-half mile of a municipal border without the approval of that jurisdiction's governing authority.

Alpharetta has no airports or landfills.

Zoning: The Light Industrial Zoning District is the only district that allows solid waste facilities as a conditional use. The procedure for conditional use approval is described in 6.3 below. The City zoning map shows the Light Industrial Zoning District. This district is located within 7 miles of the Roswell Water Intake Supply overlay as shown on the Water Intake Plan. These maps may be found in Appendix G.

6.3 Local Procedures for Siting Solid Waste Facilities

A solid waste facility is only allowed in Light Industrial Zoning as a Conditional Use. Conditional Use approval would require site specific City Council approval thru the public hearing process, in accordance with the requirements for all zoning changes. Expansion of the only solid waste facility in the City (Maxwell Road Transfer Station) would require approval through a public hearing as well. Some projects would require prior approval as an Atlanta Regional Commission Development of Regional Impact prior to submittal to the City of Alpharetta.

The public hearing process requires a minimum of 90 days from the submittal date and includes notification to property owners within 500 feet of the property to be rezoned. In addition, the City posts a minimum of one sign on the site and places advertisements of the public meetings in the local newspaper. As part of the review process, staff from all departments evaluate the project for compliance with environmental regulations, land use compatibility, transportation impact, the Solid Waste Management Plan and other City codes.

Projects must demonstrate compliance with all Department of Natural Resources requirements. The project submittal must also include the following information: potential impact the proposed facility would have on current solid waste management infrastructure; potential impact proposed facility would have on collection capability and

disposal capacity; and potential impact the proposed facility would have on the state's 25 percent per capita waste disposal reduction goal.

6.4 Assessment of Land Limitation

Any proposed solid waste facility would be reviewed by the City Council, on a site specific basis, for compliance with all environmental ordinances in effect at the time of submittal; and, for suitability and compatibility with the surrounding land use. Alpharetta has no plans to operate a municipal solid waste facility. After decades of intensive building, the more developable properties have been taken. Properties remaining for a landfill would typically have streams, specimen trees, steep topography and other challenges. Alpharetta is a small community and the cost of vacant land is expensive, even after several years of declining prices. Most of the light industrial properties have been built as retail and office, with some abutting residential. These land uses are incompatible with a solid waste facility.

6.5 Needs and Goals

It is Alpharetta's goal to insure that any new or expanded solid waste facility is constructed in compliance with local codes, state environmental requirements, and in accordance with this management plan.

Section 7 Education and Public Involvement Element

7.1 Inventory Existing Public Education Programs and Public Involvement Opportunities

The Finance Department communicates information regarding solid waste services available via the City web page, brochures and written materials. Inquiries can be answered by Customer Service representatives from both Republic and the City's Finance Department. Information regarding waste generation and recycling requirements for new development is also available online through the Community Development Department.

Education and public involvement are key elements in any successful waste reduction program. Alpharetta implements an Environmental Education Program for adults and children with a variety of programs including the management of solid waste. Outreach is offered through written materials, community recycling collections, the Alpharetta EverGreen Schools Programs and through its affiliation with Keep America Beautiful (KAB) Programs and volunteers. The Alpharetta Natural Resource Commission (NRC) is the appointed body of community volunteers charged with the protection of Alpharetta's Natural Resources and the advisory commission for the local Keep America Beautiful Affiliate.

The NRC's purpose is aligned with the national Keep America Beautiful mission to involve volunteers in community action dedicated to litter and graffiti prevention, beautification, waste minimization and community improvement. NRC Outreach Programs involve hundreds of volunteers each year in hands-on community improvement activities where they learn how to take personal responsibility for improving their local community environments and their quality of life. Only those programs relating to solid waste are listed below. These programs include:

- Community household hazardous waste and paint recycling collections
- Bring One for the Chipper –Annual Christmas tree recycling collection
- The Great American Clean Up - Focuses on involving community volunteers in a variety of recycling, beautification and clean ups
- Computer and electronics recycling collections
- Community collections for paper and sensitive document shredding
- Truckload sales of composting units and rain barrels
- Community clean ups
- Workshops on composting, gardening and other topics as requested
- Adopt-A-Mile–Local businesses, service organizations, individuals and families volunteer to adopt a mile of City roadway and agree to conduct litter pick ups annually.

- Clean is Cool–This campaign was launched in 2002 as a positive litter prevention program.
- Community Litter Index–An annual litter index is conducted as part of the Keep America Beautiful Program.
- Cell Phone Collection–Permanent drop-off locations are available for cell phones, ink cartridges and small electronics.
- EverGreen School Program - The City offers support and recognition for public and private City of Alpharetta schools that implement successful environmental education programs.
- Rivers Alive–Volunteers from North Fulton conduct one of the largest waterway and land clean ups in the state.
- School recycling programs – Most of the Alpharetta schools have effective recycling programs.

The City of Alpharetta will continue to promote environmental awareness through education and public outreach activities.

7.2 Assess Adequacy of Environmental Education Initiatives

The City will improve environmental education materials available through the City web site to be more user-friendly and effective for target audiences.

Implementing the RecycleBank Program in 2010 has resulted in improved residential recycling rates. Recyclebank has been received well by residents and it is anticipated that recycling volumes will continue to increase. Additional ways to promote this program will be implemented.

Alpharetta strongly supports the community recycling collections for HHW, paint, electronics and paper. The collection of bulky waste was changed in 2009. The popularity of the Bulky Trash Day Amnesty Collections led Alpharetta to consider a more effective curbside program because of the large volumes of items that were being collected. Curbside pick up of bulky trash is now a part of the standard service through the City at no additional cost to the residents. Collections for HHW, paint, paper, and electronics will continue as long as they are the most effective means to accomplish the service. Despite the close vicinity of two area recycling centers, the community collections are popular and meet the need at this time. Alpharetta is evaluating the possibility of adding a pharmaceutical take-back collection for residents. The purpose would be to educate the public regarding this threat to water quality and to create a local solution.

Information gathered in the Waste Stream Disposal Analysis indicates that the commercial sector is disposing more wastes than the residential population. Additionally, residents are contributing 73% of all recyclables in relation to a commercial amount of 27%. Corrugated cardboard, paper and plastics comprise the largest percentage

of commercial MSW. Additional outreach to target the business sector is expected to produce positive results.

7.3 Statement of Needs and Goals

There is a need to reevaluate the information on the City web site regarding environmental education. Additional outreach materials will be developed for use.

Section 8 Implementation Strategy and Short Term Work Plan

**Table 8-1
Implementation Schedule**

Activity	Element	Funding Source	Responsible Department	Year
All new business and commercial developments must provide a waste generation analysis for their project based on established waste generation criteria in order to establish the total amount of solid waste. A plan must be established to accomplish a minimum of 25% recycling based on the type of recyclables generated by that particular use. A site or building plan is required showing that sufficient area for recyclables has been provided.	Waste Reduction	General Budget	Community Development	Ongoing program. Adopted 1993, amended as needed.
Create and maintain an approved City vendor list for garbage and recycling within the City	Collection	General Budget	Finance	Ongoing
Conduct special recycling events for the local community such as for household hazardous waste, paint, electronics and sensitive documents (paper)	Waste Reduction	General Budget	Engineering	Ongoing
Host recycling workshops for the community such as for composting, xeriscaping, turf care, and other waste reduction topics.	Waste Reduction	General Budget	Engineering	Ongoing
Use outside contractors to provide reliable, cost-effective residential garbage and recycling options (including apartments and townhomes). Contracts must guarantee reliable, compliant landfill capacity for the City for the next 10 years. Contracts must also include contingency plans for capacity in the event of disaster or other unexpected emergency.	Collection & Disposal	General Budget plus utility fees collected from residents	Finance	Ongoing
Continue "Pay as you Throw" incentive program to reduce residential and business garbage.	Collection & Disposal	User pays cost	Finance	Ongoing
Provide 2 code enforcement officers to assist with illegal dumping enforcement	Land Limitation	General Budget	Community Development	Complete

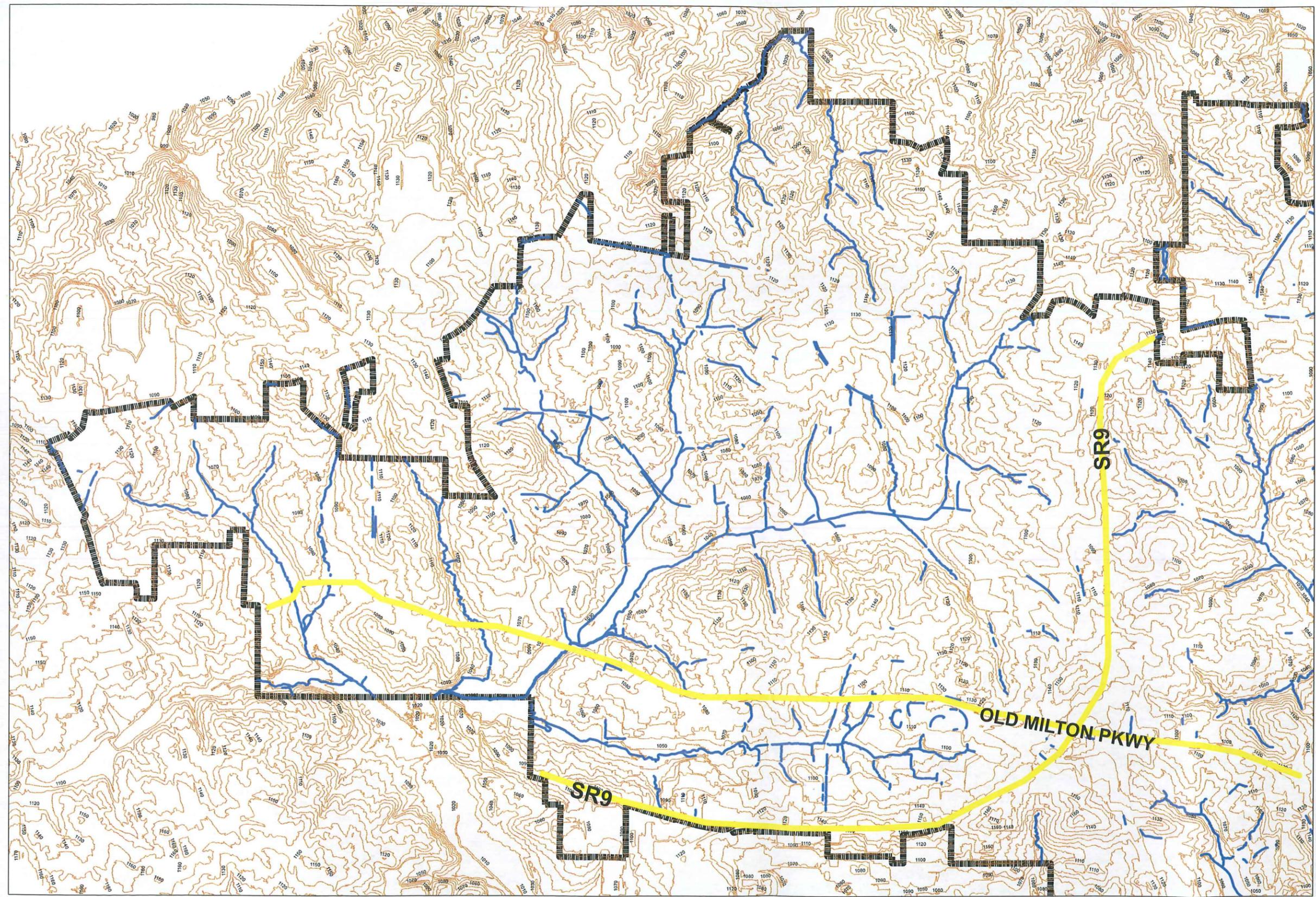
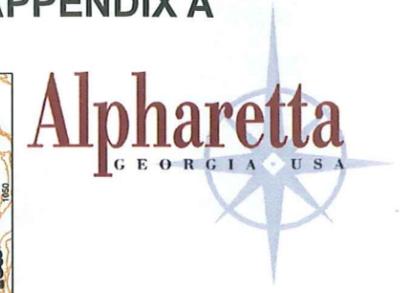
Encourage and support innovative efforts to solve solid waste problems and create more efficient delivery.	Waste Reduction	General Budget	City Administrator	Ongoing
Implement recycling at City special events	Land Limitation	General Budget	Engineering/Public Works	Ongoing
Require commercial recyclers to register and report to the City.	Collection & Disposal	General Budget	Finance	Ongoing
Require City contractor to provide a minimum service strategy for the length of the contract in accordance with this document.	Education and Public Involvement	General Budget	Finance	Ongoing
Require City contractor to provide emergency interim collection strategy as part of bid process.	Collection & Disposal	General Budget	Finance	Ongoing
Increase recycling outreach to businesses	Education and Public Involvement	General Budget	Engineering/Public Works	2012
Reevaluate educational materials available on the City website	Education and Public Involvement	General Budget	Engineering/Public Works	2012
Explore economically viable options for recycling more yard wastes	Waste Reduction	Generate	Finance	2017

Section 9 Appendix

- A Topographic Map
- B Atlanta Regional Commission Regional Development Center Composition Element
- C Utility Brochure
- D Contract and Contract Amendment Landfill
- E Disaster Response and Contingency Plan
- F Capacity Letter
- G Land Limitation Maps
- H Public Hearing One
- I Public Hearing Two

City of Alpharetta
Northwest Quadrant
2' Topography

APPENDIX A



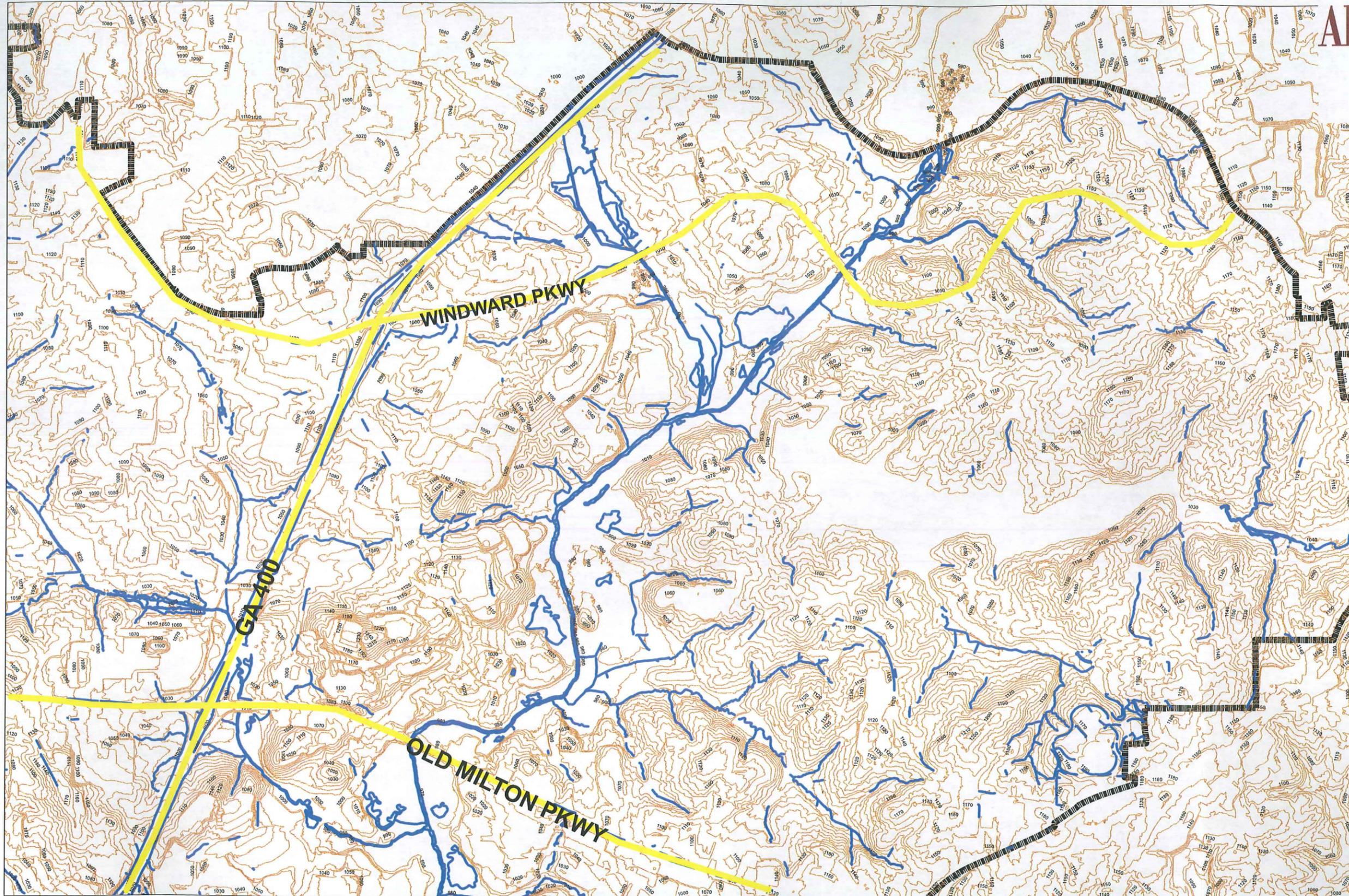
MAP 1 OF 4



NOT TO SCALE

DATE OF LAST MAP REVISION
SEPTEMBER 8, 2011

City of Alpharetta
Northeast Quadrant
2' Topography



MAP 2 OF 4

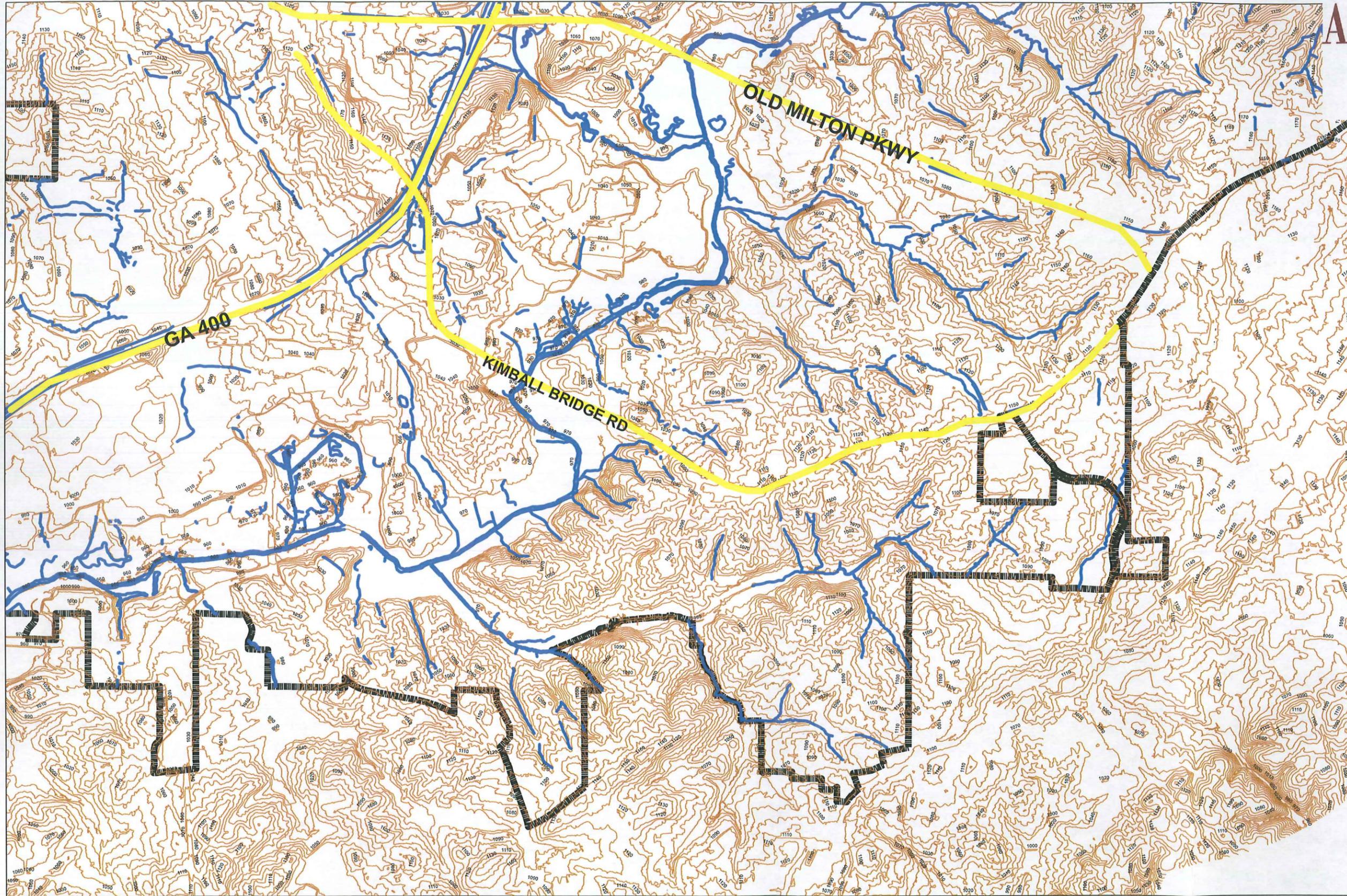


NOT TO SCALE

DATE OF LAST MAP REVISION

SEPTEMBER 8, 2011

City of Alpharetta
Southeast Quadrant
2' Topography



MAP 3 OF 4

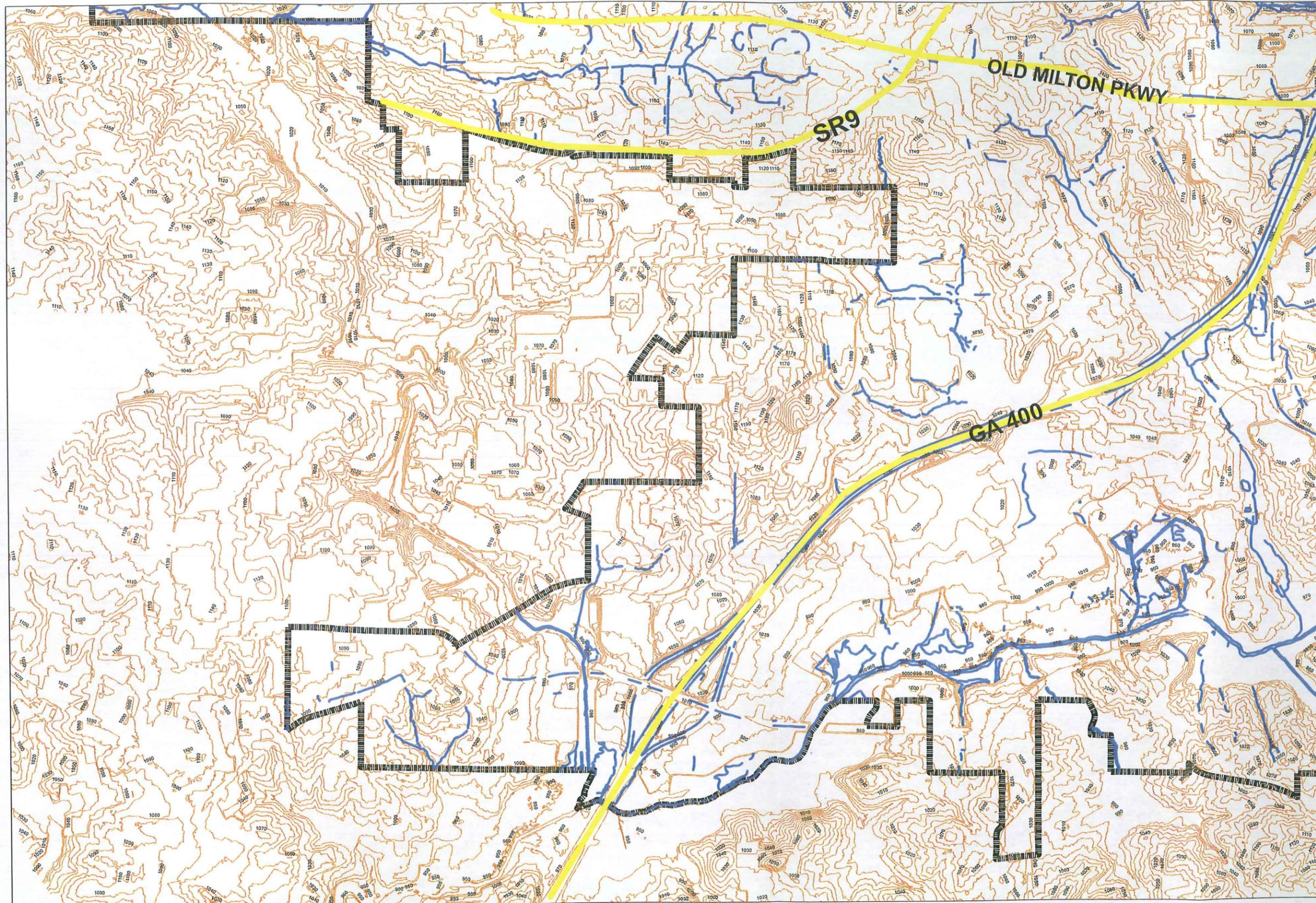


NOT TO SCALE

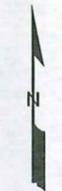
DATE OF LAST MAP REVISION

SEPTEMBER 8, 2011

City of Alpharetta
Southwest Quadrant
2' Topography



MAP 4 OF 4



NOT TO SCALE

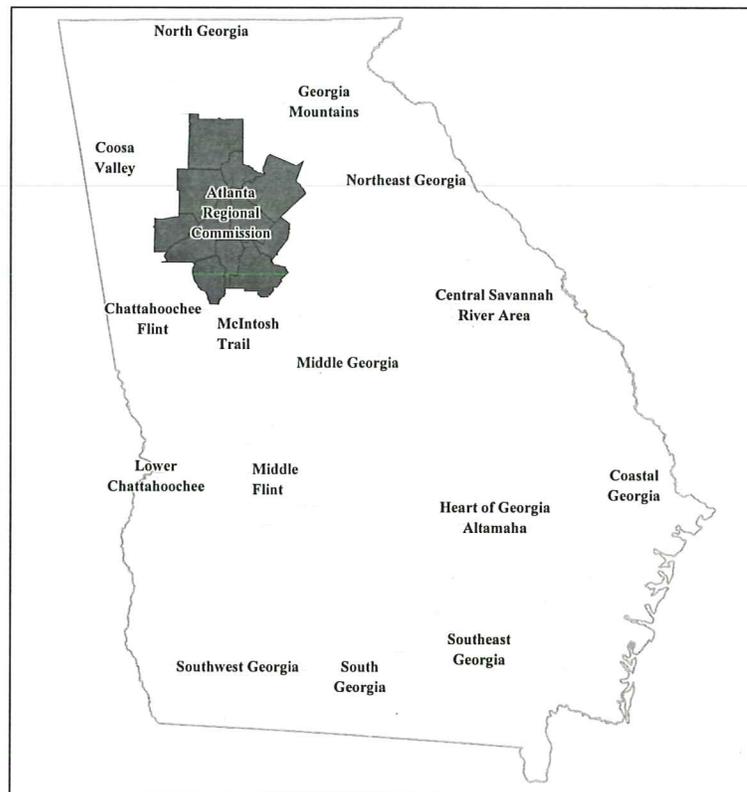
DATE OF LAST MAP REVISION

SEPTEMBER 8, 2011

ATLANTA REGIONAL COMMISSION COMPOSITION

An objective of the study was to aggregate the composition and quantity of disposed waste by RDC. This section provides a series of tables and figures for the Atlanta Regional Commission Regional Development Center.

Atlanta Regional Commission Regional Development Center
Figure A-1 Atlanta Regional Commission Map



■ Atlanta North Transfer Station.

Sampling at these facilities was performed across four seasons to account for seasonal variation in MSW composition.

TABLE A-1 ADJUSTED WASTE DISPOSED IN THE ATLANTA REGIONAL COMMISSION

Regional Development Center	Tons of MSW Reported	Adjusted Tons of MSW
Atlanta Regional Commission	4,751,258	3,164,338

Table A-1 shows the actual disposal tonnage reported to the state and the adjusted annual disposal tonnages after applying the weighted average percentage of MSW actually being disposed at MSW landfills throughout the state. The adjusted tons of MSW are used throughout this report.

RDC MSW Composition Results

Figure A-2 Atlanta Regional Commission RDC Disposed MSW Composition

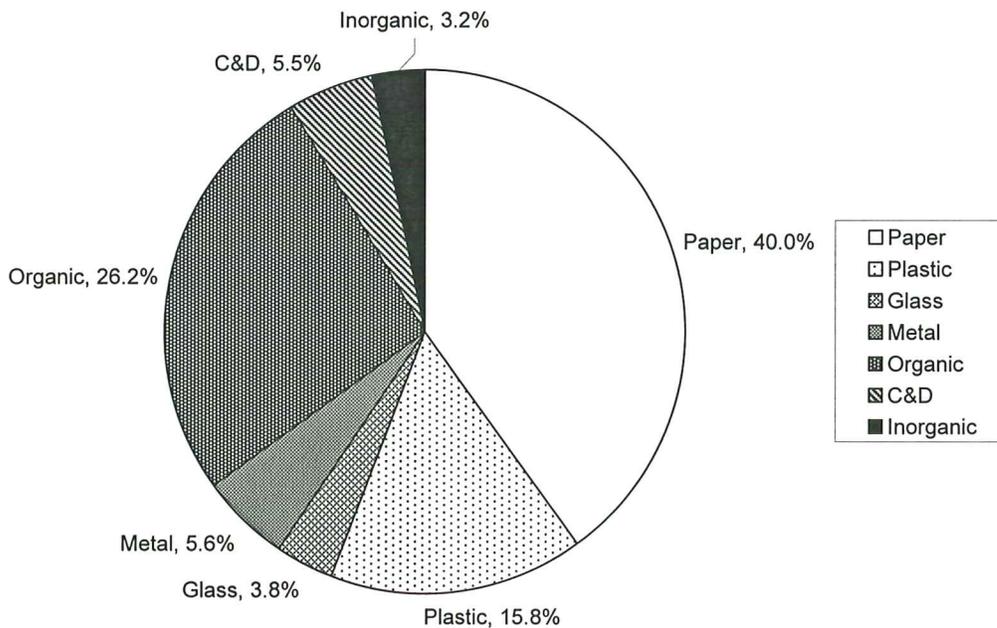


Figure A-2 presents the aggregate composition of major material groups in the Atlanta Regional Commission RDC's disposed municipal solid waste stream. As shown, paper and organics make up the largest fractions of the waste stream, followed by plastics. Metals and C&D made up the fourth and fifth largest fractions of the waste stream, with glass and inorganics making up the smallest portion of the waste stream.

Figure A-3 Atlanta Regional Commission RDC MSW Tons Disposed

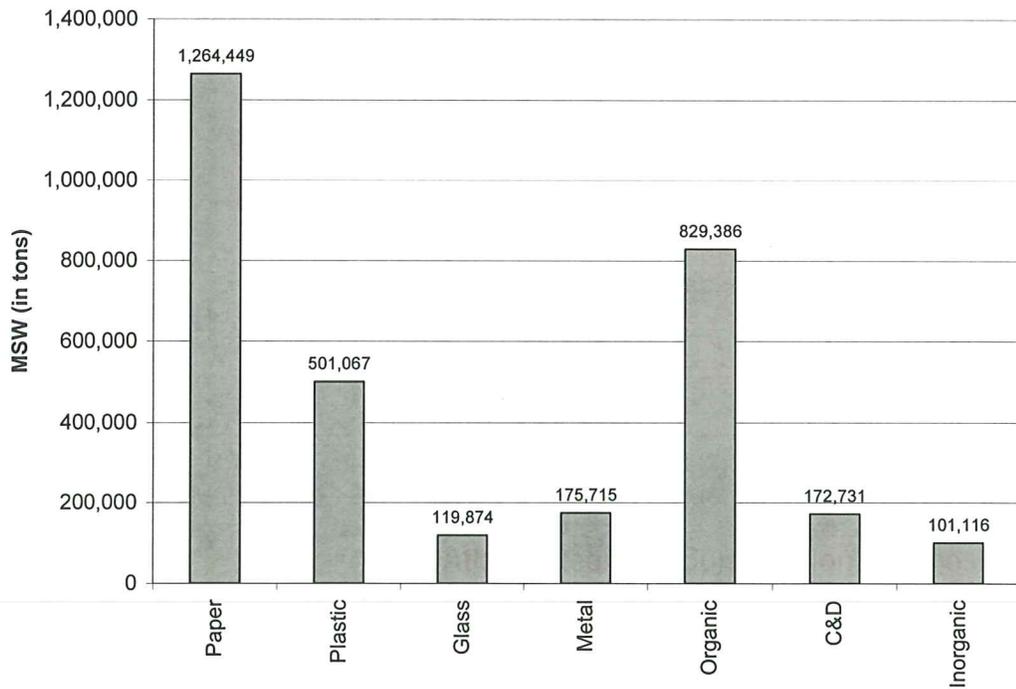


Figure A-3 shows a bar graph of the actual tons of the Atlanta Regional Commission RDC's waste that are estimated to be disposed in the State's landfills (based on 2003 EPD facility reports). In absolute terms, nearly 1.3 million tons of paper and over 0.8 million tons of organics were the highest tons of material disposed in 2003-2004.

Figure A-4 Atlanta Regional Commission RDC Commonly Recycled Materials Tons Disposed

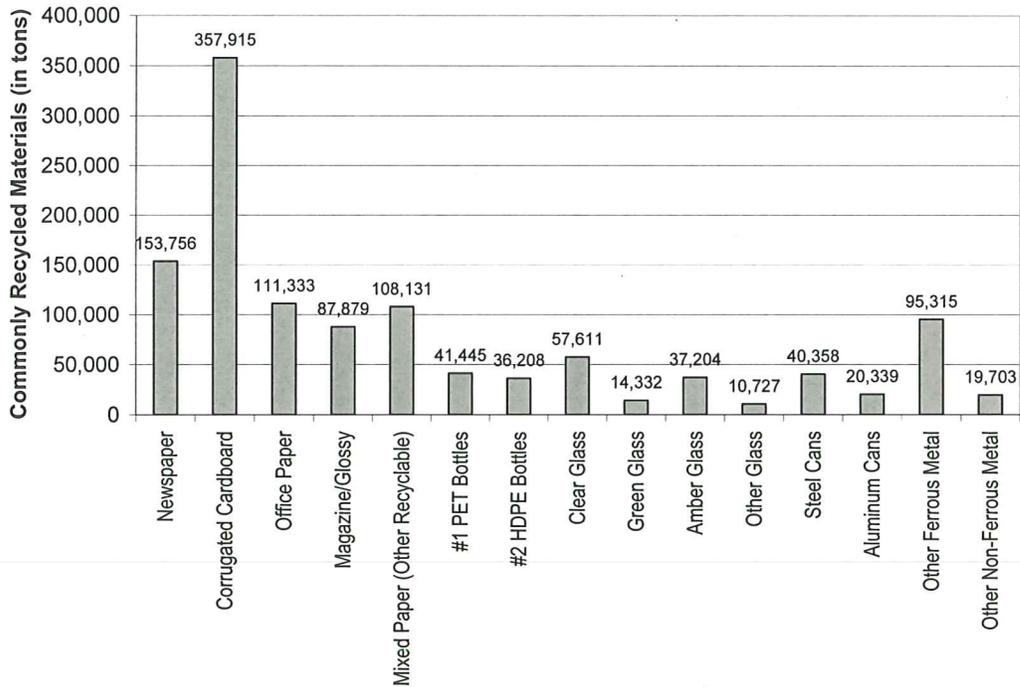


Figure A-4 focuses on the tons of commonly recycled materials that were disposed. Overall, paper was found to be disposed in significant quantities in the Atlanta Regional Commission RDC. More than 25 percent of all disposed waste is commonly recycled paper. Commonly recycled metals, glass and plastics were found at relatively lower disposal rates – six percent, four percent and three percent respectively. The Atlanta Regional Commission RDC very closely relates to the state as a whole.

Figure A-5 Top 10 Most Prevalent Materials Disposed in Atlanta Regional Commission RDC

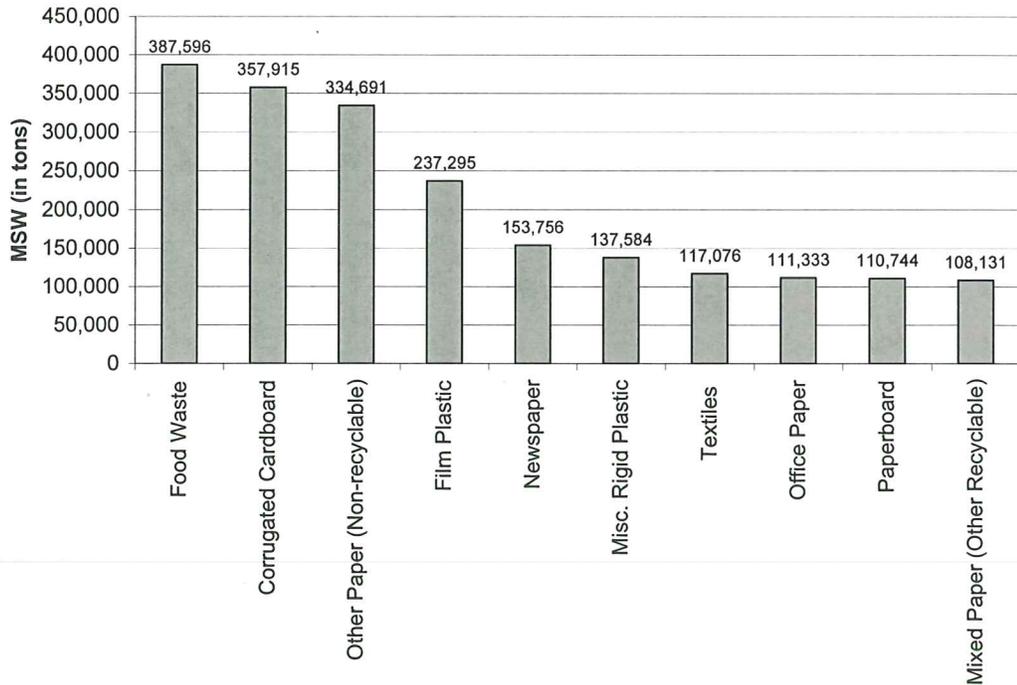


Figure A-5 shows the top ten individual materials that were most prevalent in the Atlanta Regional Commission RDC disposed waste stream. Food waste makes up the largest fraction of disposed waste at 12.2 percent, followed by corrugated cardboard (11.3 percent), nonrecyclable paper (10.6 percent) and film plastic (7.5 percent). Newspaper makes up 4.9 percent of the waste stream while miscellaneous rigid plastics make up 4.3 percent. No other materials make up more than 4.0 percent of the RDC-wide waste stream. The top ten most prevalent materials make up 65.0 percent of the RDC's disposed waste stream.

**Table A-2 Atlanta Regional Commission RDC Landfilled MSW Composition Detail
(Weight Percent)**

Group	Material	Tons Disposed	Average	Standard Deviation	Lower Boundary	Upper Boundary
Paper	Newspaper	153,756	4.9%	4.5%	4.1%	5.7%
	Corrugated Cardboard	357,915	11.3%	10.7%	9.7%	13.0%
	Office	111,333	3.5%	4.3%	2.9%	4.2%
	Magazine/Glossy	87,879	2.8%	2.9%	2.3%	3.3%
	Paperboard	110,744	3.5%	2.2%	3.1%	3.9%
	Mixed (Other Recyclable)	108,131	3.4%	3.2%	2.9%	4.0%
	Other (Non-recyclable)	334,691	10.6%	5.2%	9.6%	11.6%
	Total Paper	1,264,449	40.0%	12.8%	37.7%	42.3%
Plastic	#1 PET Bottles	41,445	1.3%	0.8%	1.2%	1.5%
	#2 HDPE Bottles	36,208	1.1%	1.4%	1.0%	1.3%
	#3-#7 Bottles	5,180	0.2%	0.3%	0.1%	0.2%
	Expanded Polystyrene	43,353	1.4%	1.2%	1.2%	1.5%
	Film Plastic	237,295	7.5%	3.3%	6.9%	8.1%
	Other Rigid Plastic	137,584	4.3%	2.9%	3.9%	4.8%
	Total Plastic	501,067	15.8%	4.9%	15.0%	16.7%
Glass	Clear	57,611	1.8%	1.8%	1.5%	2.1%
	Green	14,332	0.5%	0.9%	0.3%	0.6%
	Amber	37,204	1.2%	2.2%	0.9%	1.5%
	Other	10,727	0.3%	0.6%	0.2%	0.4%
	Total Glass	119,874	3.8%	4.1%	3.2%	4.4%
Metal	Steel Cans	40,358	1.3%	1.0%	1.1%	1.5%
	Aluminum Cans	20,339	0.6%	0.4%	0.6%	0.7%
	Other Ferrous	95,315	3.0%	6.4%	2.3%	3.8%
	Other Non-Ferrous	19,703	0.6%	1.0%	0.5%	0.8%
	Total Metal	175,715	5.6%	6.7%	4.7%	6.4%
Organics	Yard Waste	76,610	2.4%	7.1%	1.7%	3.3%
	Wood (non-C&D)	56,231	1.8%	2.7%	1.3%	2.3%
	Food Waste	387,596	12.2%	9.3%	10.7%	13.9%
	Textiles	117,076	3.7%	4.1%	3.1%	4.4%
	Diapers	74,242	2.3%	3.0%	1.9%	2.9%
	Fines	85,667	2.7%	1.4%	2.4%	3.0%
	Other Organics	31,965	1.0%	1.9%	0.8%	1.3%
	Total Organic	829,386	26.2%	11.2%	24.3%	28.2%
C&D	Drywall	15,603	0.5%	2.5%	0.3%	0.7%
	Wood	69,631	2.2%	6.0%	1.5%	3.0%
	Inerts	7,197	0.2%	1.1%	0.1%	0.3%
	Carpet	55,836	1.8%	6.8%	1.1%	2.5%
	Other C&D	24,464	0.8%	2.0%	0.5%	1.1%
	Total C&D	172,731	5.5%	10.3%	4.1%	7.1%

Atlanta Regional Commission Composition

Group	Material	Tons Disposed	Average	Standard Deviation	Lower Boundary	Upper Boundary
Inorganics	Televisions	0	0.0%	0.0%	0.0%	0.0%
	Computers	1,613	0.1%	0.5%	0.0%	0.1%
	Other Electronics	54,136	1.7%	5.6%	1.2%	2.3%
	Tires	10,079	0.3%	1.8%	0.2%	0.5%
	HHW	14,771	0.5%	1.5%	0.3%	0.6%
	Other Inorganics	20,518	0.6%	1.4%	0.5%	0.9%
	Total Inorganics	101,116	3.2%	6.0%	2.5%	4.0%
TOTAL		3,164,338	100.0%			

Table A-2 presents a detailed statistical summary of the composition of disposed MSW in the Atlanta Regional Commission RDC.

Result Comparisons by Generating Sector

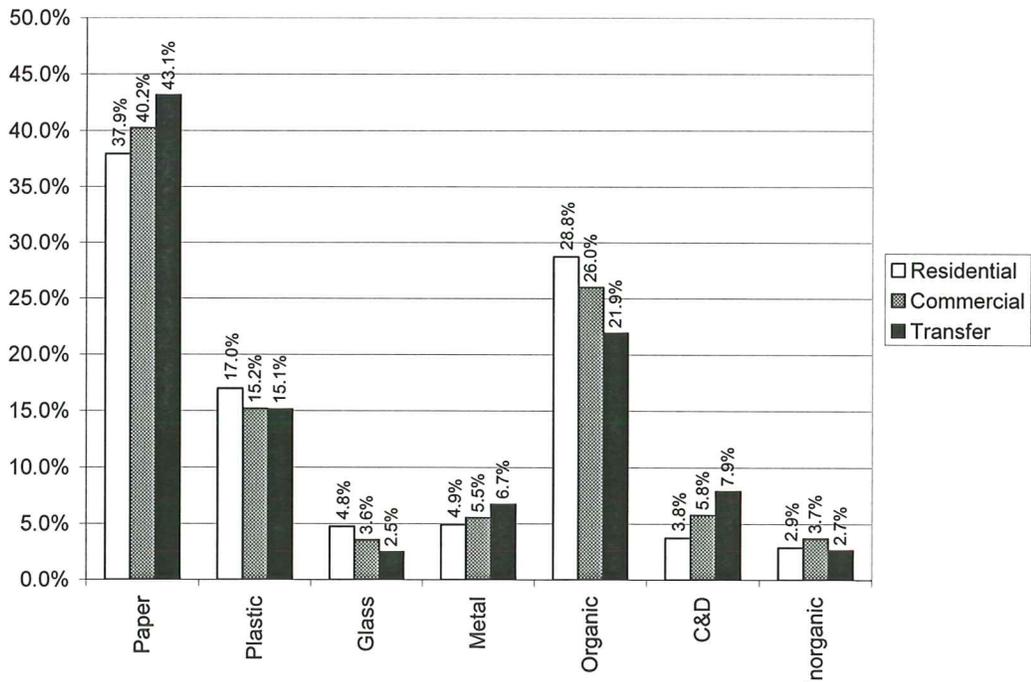
Table A-3 Landfilled Atlanta Regional Commission RDC MSW Composition by Generating Sector
(Atlanta Regional Commission RDC Average Percent of Waste Stream)

Group	Material	Residential	Commercial	Transfer Trailer
Paper	Newspaper	6.8%	3.0%	5.4%
	Corrugated Cardboard	5.6%	15.0%	13.9%
	Office	3.2%	4.5%	2.1%
	Magazine/Glossy	3.4%	1.3%	4.9%
	Paperboard	4.8%	2.1%	4.1%
	Mixed (Other Recyclable)	3.5%	2.9%	4.4%
	Other (Non-recyclable)	10.7%	11.5%	8.4%
	Total Paper	37.9%	40.2%	43.1%
Plastic	#1 PET Bottles	1.6%	1.2%	1.0%
	#2 HDPE Bottles	1.4%	1.1%	0.8%
	#3-#7 Bottles	0.3%	0.1%	0.1%
	Expanded Polystyrene	1.5%	1.2%	1.5%
	Film Plastic	7.8%	7.3%	7.4%
	Other Rigid Plastic	4.4%	4.3%	4.3%
	Total Plastic	17.0%	15.2%	15.1%
Glass	Clear	2.5%	1.6%	1.1%
	Green	0.5%	0.5%	0.4%
	Amber	1.3%	1.3%	0.6%
	Other	0.5%	0.2%	0.3%
	Total Glass	4.8%	3.6%	2.5%
Metal	Steel Cans	1.7%	0.9%	1.2%
	Aluminum Cans	0.9%	0.5%	0.5%
	Other Ferrous	1.8%	3.5%	4.2%
	Other Non-Ferrous	0.6%	0.6%	0.8%
	Total Metal	4.9%	5.5%	6.7%
Organics	Yard Waste	1.0%	3.4%	2.8%
	Wood (non-C&D)	1.5%	1.5%	2.9%
	Food Waste	13.6%	13.4%	7.2%
	Textiles	5.2%	2.8%	2.9%
	Diapers	3.5%	1.6%	1.8%
	Fines	2.8%	2.7%	2.6%
	Other Organics	1.2%	0.6%	1.6%
	Total Organic	28.8%	26.0%	21.9%

Atlanta Regional Commission Composition

Group	Material	Residential	Commercial	Transfer Trailer
C&D	Drywall	0.4%	0.6%	0.4%
	Wood	1.1%	2.3%	3.9%
	Inerts	0.1%	0.4%	0.0%
	Carpet	1.5%	1.8%	2.2%
	Other C&D	0.6%	0.7%	1.3%
	Total C&D	3.8%	5.8%	7.9%
	Inorganics	Televisions	0.0%	0.0%
Computers		0.0%	0.0%	0.2%
Other Electronics		1.6%	2.0%	1.2%
Tires		0.0%	0.3%	0.9%
HHW		0.3%	0.8%	0.1%
Other Inorganics		1.0%	0.5%	0.3%
Total Inorganics		2.9%	3.7%	2.7%
TOTAL		100.0%	100.0%	100.0%

Figure A-6 Atlanta Regional Commission RDC Composition by Generating Sector



Figures A-6 compares the composition percentage by material group for residential, commercial, and transfer trailer waste in the Atlanta Regional Commission RDC.

Figure A-7 Top 10 Most Prevalent Materials in Atlanta Regional Commission RDC Residential Waste

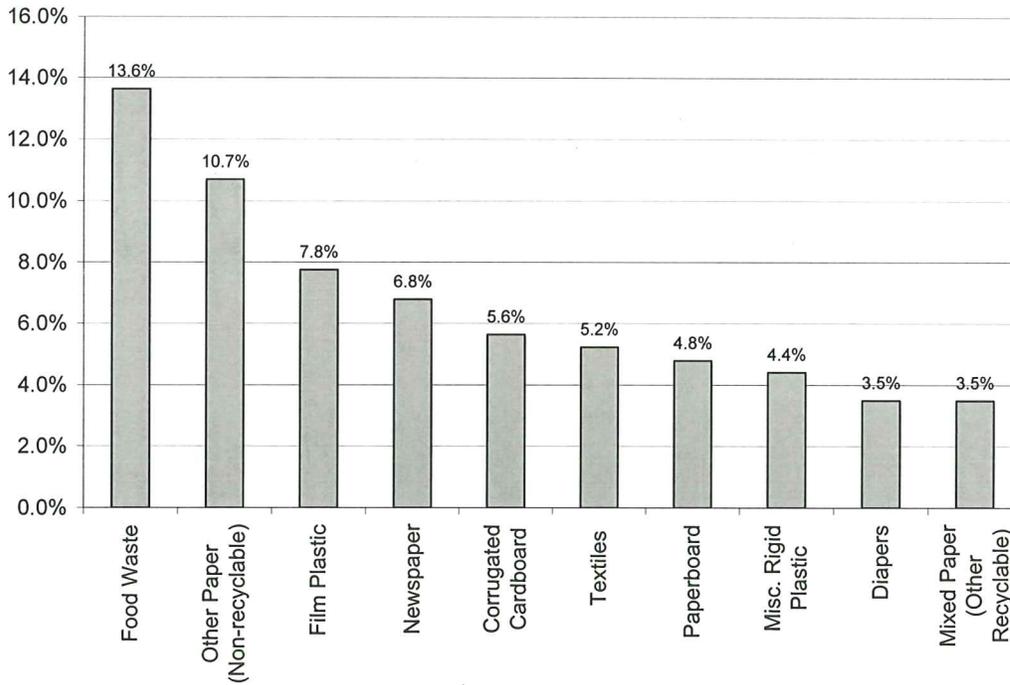


Figure A-8 Top 10 Most Prevalent Materials in Atlanta Regional Commission RDC Commercial Waste

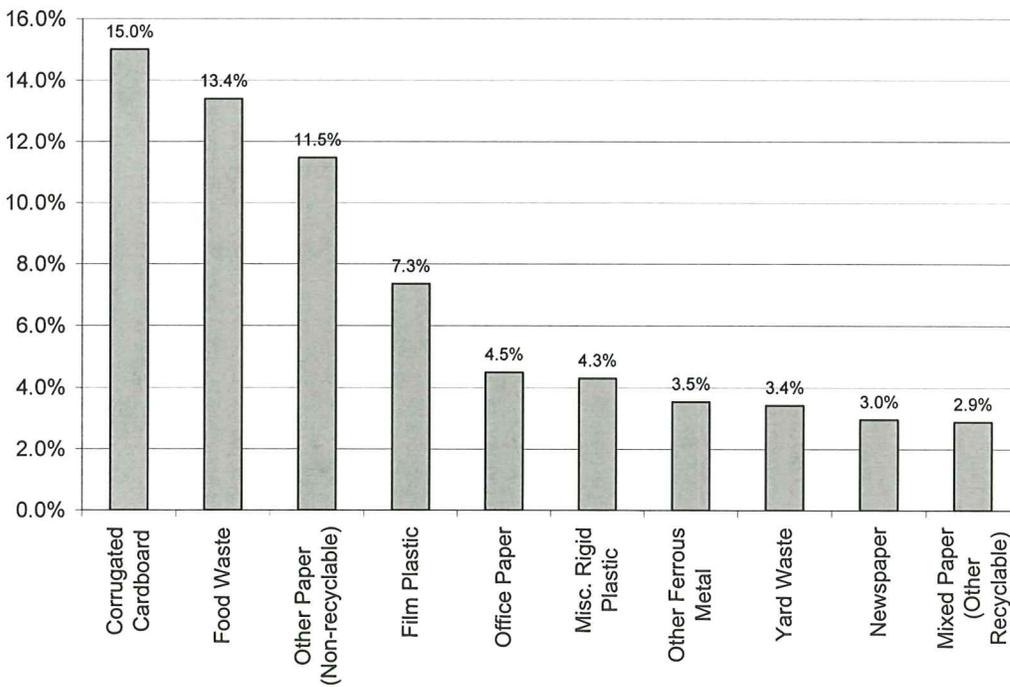


Figure A-9 Top 10 Most Prevalent Materials in Atlanta Regional Commission RDC Transfer Trailer Waste

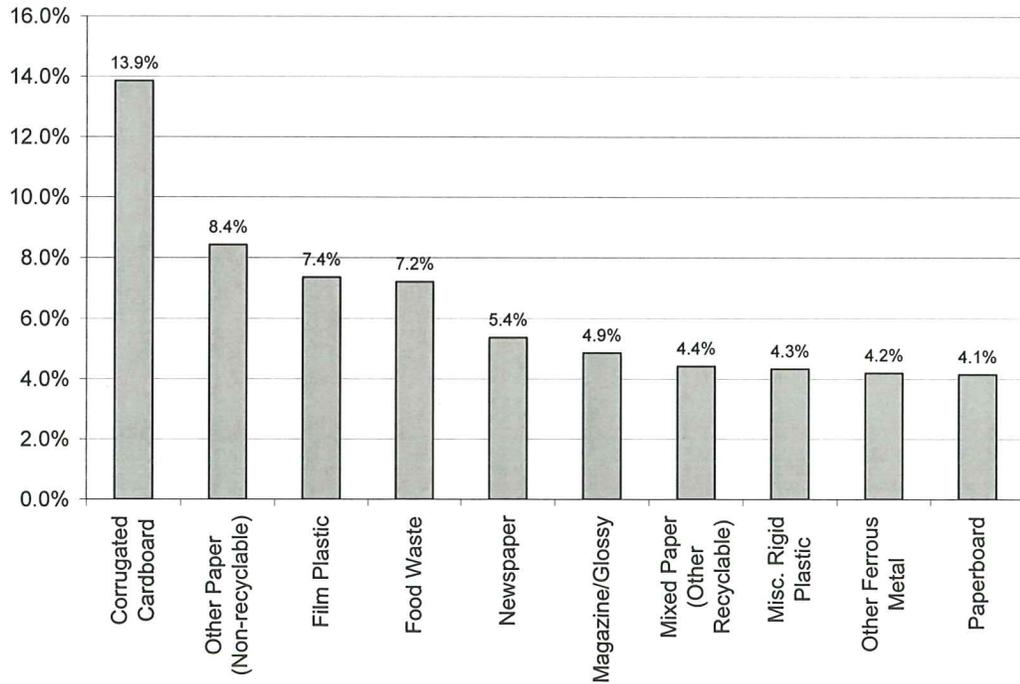


Figure A-7 shows the top 10 most prevalent materials in Atlanta Regional Commission RDC's Residential Waste. Food waste is disposed in the highest quantity, with other paper (non-recyclable) and film plastic as the second and third highest disposed items respectively. Note that, in the residential MSW generating stream, corrugated cardboard places fifth highest in materials disposed. However, when comparing the residential generating sector to the commercial and transfer trailer generating sectors (Figures A-8 and A-9), the latter show corrugated cardboard disposed in the highest quantity, with food waste placing second in the commercial sector and fourth in the transfer trailer sector.

Figure A-10 Commonly Recycled Materials Disposed in Atlanta Regional Commission RDC Generating Sectors

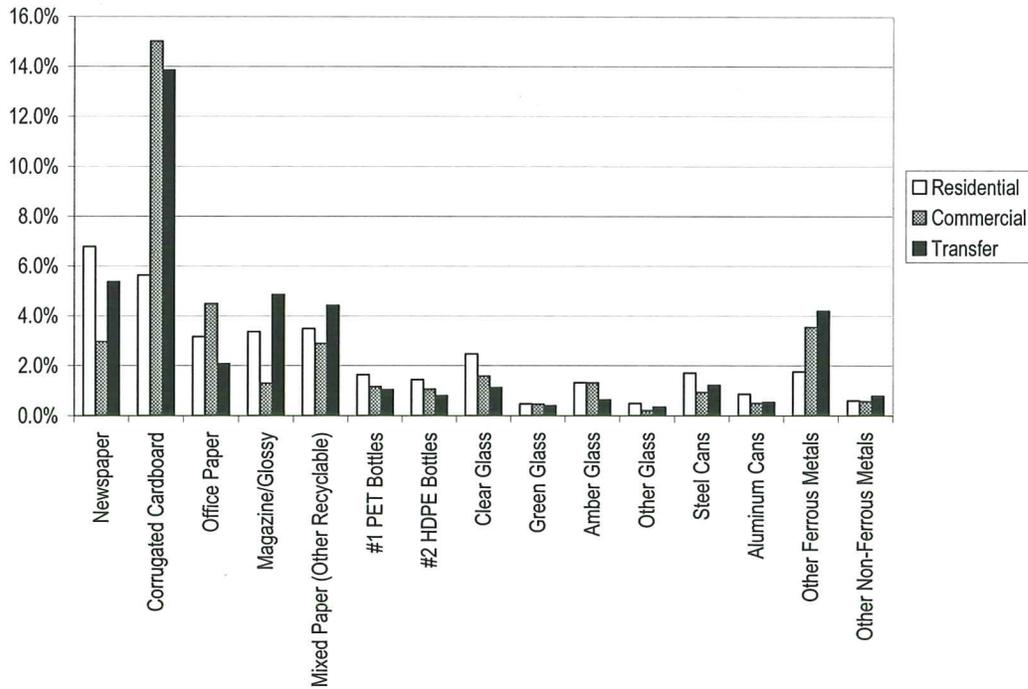
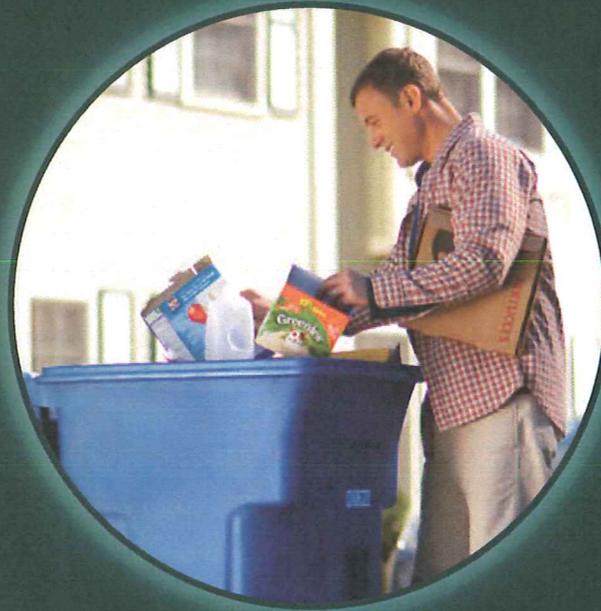


Figure A-10 compares the amount of commonly recycled materials disposed in the Atlanta Regional Commission RDC's municipal solid waste stream by generating sector. Note that paper is being disposed of in the highest quantities from all three generating sectors, followed by metal glass and plastic respectively.

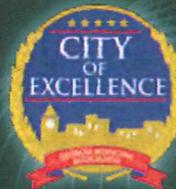
www.alpharetta.ga.us

APPENDIX C

CITY OF ALPHARETTA SANITATION & RECYCLING PROGRAM



City of Alpharetta
Finance Department
2 South Main Street
Alpharetta, GA 30009
Phone: 678-297-6060
Fax: 678-297-6061



WHAT IS RECYCLABLE

YES!

Please recycle these items

Newspaper & Newspaper Inserts
Magazines & Catalogs
Junk Mail & Envelopes
Cardboard
Office & School Papers (colored paper too)
Boxboard (cereal, cake & cracker boxes)
Brown Paper Bags (grocery type)
Aluminum Cans
Tin & Steel Cans (rinsed)
Glass Jars & Bottles
Plastic Milk Jugs
Plastic Bottles
(with necks only)
Phone Books



AND WHAT IS NOT

NO!

Do not recycle these items

No Plastic Bags
No Food Waste
No Food Tainted Items
(used paper plates, paper towels or paper napkins)
No Pizza Boxes
No Egg Cartons
No Ice Cream Cartons
No Aluminum Foil
No Plastic Cups & Silverware
No Aerosol Cans
No Plastics Other Than Bottles
(items like clear plastic fruit containers)
No Juice Boxes/Bags

Earn rewards for recycling with the RecycleBank Program



RecycleBank is a rewards program that motivates participant to recycle by offering valuable RecycleBank Points for your recycling efforts. Points can be redeemed for rewards such as groceries, apparel, and gift cards at local and national businesses in the Alpharetta area. Participants can save over \$100 annually through this rewards program. Please contact the RecycleBank customer service team at 866-563-0114 to activate your RecycleBank account.

RecycleBank



SANITATION & RECYCLING SERVICES

The City of Alpharetta provides sanitation and recycling services to all of its residents through a contract with Republic Services, Inc.

What is collected?

- Household trash, recyclables, yard waste, and bulky waste.

How often?

- Weekly - household trash, recyclables, and yard waste.
- As needed – bulky waste (must schedule 72 hours in advance by contacting Republic Services, Inc. at 678-407-6216).

Where can I find the scheduled pickup day for my street?

- Pickup day listing is available for download from the City of Alpharetta's website (<http://www.alpharetta.ga.us/index.php?p=100>);
- Republic Services, Inc. at 678-407-6216.

When should the containers be placed at the curbside for pickup?

- No later than 7:00 a.m. on your scheduled pickup day.
- The handles of the container should face the front of the house when placed at the curbside. Containers should be placed no more than 2 feet behind the curb line while leaving 5-6 feet of clearance (i.e. do not place near mailboxes, trees, etc.).
- Backdoor service is provided to customers with physical impairments. Please contact the City's customer service team for more information.

How do I sign up for new service or cancel existing service?

- Contact a member of the City's customer service team: (a) in person at City Hall, 2 South Main Street, Alpharetta, GA 30009; or (b) by calling 678-297-6060.

How much does the service cost?

- Base Service:
 - \$17.65 monthly for 68-gallon household trash/ 65-gallon recycling containers.
 - \$18.83 monthly for 95-gallon household trash/ 65-gallon recycling containers.
 - Seniors (65 years and older) pay \$8.75 monthly.
 - Seniors (65 years and older and meeting certain income restrictions) pay \$0.
- All fees listed above include household trash, recycling (including free participation in the RecycleBank Program – see the reverse side of this

pamphlet for more information), yard waste, and bulky waste pickup.

• Additional Service:

- \$6.47 monthly for each additional household trash container (if needed);
- \$1.00 bag tag that must be secured to each personal trash container and/or plastic trash bag that is not placed in the City's standard household trash/recycling containers. Tags can be purchased by contacting the City's customer service team: (a) in person at City Hall, 2 South Main Street, Alpharetta, GA 30009; or (b) by calling 678-297-6060.

How does the City bill for this service?

- City bills quarterly in advance.
- Payment is due 20-days from the date listed on the bill.
- \$5.00 charge is assessed for all late payments.
- \$25.00 charge for all checks returned due to insufficient funds.

What are my payment options?

- Types of payment include: Visa, MasterCard, Discover, American Express, check, cash, or automatic bill paying.
- Payment can be made by contacting the City's customer service team: (a) in person at City Hall, 2 South Main Street, Alpharetta, GA 30009; (b) by calling 678-297-6060; (c) www.alpharetta.ga.us; or (d) complete the *Authorization for Automatic Payment of Sanitation Billing* (see attached form) and mail to the City's customer service team at the address listed above.

Anything else I should know about the yard waste pickup?

- Yard trimmings should be containerized in (a) paper lawn bags (10 bags maximum); or (b) 35 gallon trash cans or containers (5 maximum).
- Tree limbs (maximum of 3 feet in length and 6 inches in diameter) should be tied in bundles (10 bundle maximum).

Anything else I should know about the bulky waste pickup?

- Service must be requested 72 hours in advance by contacting Republic Services, Inc. at 678-407-6216, identifying the bulky waste items to be picked up (exclusions apply – log onto www.alpharetta.ga.us for more information).

QUICK REFERENCE GUIDE



Holiday Schedule:

- New Year's Day
- Thanksgiving Day
- Christmas

If your normal pickup falls on one of these holidays, your household trash, recyclables, and yard waste will be picked up on the following day. For example (using Thanksgiving Day holiday): If your normally scheduled pickup is on Thursday, your pickup will be on Friday; Friday pickup will be Saturday.

NOTE: Household trash, recycling, and yard waste collection schedules will be maintained on all other holidays. If your normal collection schedule falls on any holiday not listed above please have your carts at curbside as usual on your assigned day.

KEY CONTACT INFORMATION

City of Alpharetta Customer Service

Office Hours:

Monday – Thursday, 8:30 am to 5:00 pm

Friday, 8:30 am to 4:30 pm

Telephone Numbers:

678-297-6060 (Phone)

678-297-6061 (Fax)

E-mail:

utilities@alpharetta.ga.us

The City of Alpharetta's website is a quick and convenient source of information about the sanitation and recycling program. Please visit: www.alpharetta.ga.us

Republic Services Customer Service

Office Hours:

Monday – Friday, 8:00 am to 5:00 pm

Telephone Number:

678-407-6216

E-mail:

muni.atlnorth@republicservices.com

AUTHORIZATION FOR AUTOMATIC PAYMENT OF SANITATION BILLING

I HEREBY AUTHORIZE THE City of Alpharetta to debit my account and to, if needed, debit or credit my account for adjustments made to correct my account. I request that all transactions be made to the account selected below:

- Checking account Savings account

for payments due on my (our) Sanitation Account

My Account information is listed below:

Account Holder(s) Name(s) _____ Account Number: _____

Billing Address: _____

My Bank information is listed below:

Bank Name: _____

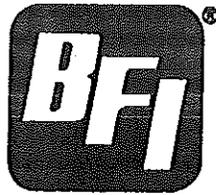
Account Number: _____ Bank Transit (ABA) Number: _____

This authority will remain in effect until the City of Alpharetta has received written notification from me of its termination.

Signed: _____ Dated: _____

PLEASE SIGN THIS APPLICATION, ATTACH A VOIDED CHECK AND MAIL TO:

CITY OF ALPHARETTA; FINANCE DEPARTMENT; 2 SOUTH MAIN STREET; ALPHARETTA, GA 30009. ANY QUESTIONS CALL 678-297-6060.



Waste Services, LLC

APPENDIX D

1510-99-01

2581

Bob Regus
City Administrator
City of Alpharetta
City Hall
Two South Main Street
Alpharetta, GA 30004

Dear Bob,

Attached is the signed agreement. BFI has an original on file and the attached is for your files.

We look forward to continuing to provide service to the City of Alpharetta.

Sincerely,

A handwritten signature in black ink, appearing to read "Abbey Mullaney", written over a circular stamp.

Abbey Mullaney
Market Development Manager

Check Copy

**RECYCLING SERVICES AND
SOLID WASTE COLLECTION AGREEMENT**

THIS AGREEMENT (the "Agreement") made and entered into as of the 20th day of December, 1999, by and between the **CITY OF ALPHARETTA**, a municipal corporation of the State of Georgia, hereinafter referred to as the "City, " and **BFI WASTE SYSTEMS OF NORTH AMERICA, INC.**, a Delaware corporation authorized to do business in the State of Georgia, hereinafter referred to as "BFI."

WITNESSETH:

WHEREAS, the City is desirous of securing the services of BFI to provide (1) residential collection of recyclable materials; (2) residential collection and disposal of solid waste and (3) certain, as described herein, solid waste and recycling services for the City itself (collectively, the "Collection Services") for and on behalf of the City; and

WHEREAS, BFI desires to provide Collection Services for and on behalf of the City, all on the terms and conditions set forth herein;

NOW, THEREFORE, IT IS HEREBY AGREED AS FOLLOWS:

1. **Definitions.**

- 1.1 **Bin** - A receptacle made of plastic with a capacity of 24 gallons, and used for the purpose of curbside collection of certain Recyclable Materials.
- 1.2 **Bulky Waste** - Stoves, refrigerators, water tanks, washing machines; furniture and other waste materials other than Hazardous Waste with weights or volumes greater than those allowed for Carts.
- 1.3 **Cart** - The City residents shall choose between a 95 or a 68 Refuse cart for use under this Agreement based on a BFI survey of their Cart size preference as described in Section 6.6 below.
- 1.4 **Garbage** - Every accumulation of waste (animal, vegetable and/or other matter) that results from the preparation, processing, consumption, dealing in,

handling, packing, canning, storage, transportation, decay or decomposition of meats, fish, fowl, birds, fruits, grains or other animal or vegetable matter and all other putrescible or easily decomposable waste; except (in all cases) any matter included in the definition of Bulky Waste, Hazardous Waste, Rubbish or Yard Waste.

- 1.5 Hazardous Waste - Waste, in any amount, which is defined, characterized or designated as hazardous by the United States Environmental Protection Agency or appropriate State agency by or pursuant to Federal or State law, or waste, in any amount, which is regulated under Federal or State law. For purposes of this Agreement, the term Hazardous Waste shall also include, without limitation, batteries, tires, gasoline, paint and paint cans (except empty paint cans) and Bulky Waste containing chlorofluorocarbon refrigerants or freon.
- 1.6 Producer - An occupant of a Residential Unit who generates Refuse.
- 1.7 Refuse -All Garbage and Rubbish generated by a Producer at a Residential Unit, in all cases to exclude Hazardous Waste, Yard Waste and Bulky Waste.
- 1.8 Residential Unit - A free-standing structure constructed for use as a residence by a person or group of persons comprising a family. A Residential Unit shall be deemed occupied when either water or domestic light and power services are being supplied thereto. An apartment, condominium, townhome or other home structures containing multiple residents (a "Multi-Residence Complex") shall count as multiple Residential Units for purposes of this Agreement and not as one Residential Unit.
- 1.9 Recyclable Material(s) – Recyclable Materials are the following:
 - Newspapers;
 - Chipboard, such as cereal boxes, (no liners);
 - White and colored paper;
 - Catalogues;
 - Magazines;
 - Corrugated cardboard (must be cut in pieces no more than 2 ft. x 2 ft.);
 - Aluminum and bimetal cans;

- Clear, green and brown glass bottles and jars; and
- Plastic bottles (#1 and #2).

Recyclable Materials shall also include any other materials mutually agreed by BFI and the City to be added as a "Recyclable Material" hereunder.

- 1.10 Rubbish - All printed matter, paper, pasteboard, rags, used and discarded clothing, used and discarded shoes and boots, combustible waste pulp and other products such as are used for packaging, or wrapping crockery and glass, ashes, cinders, floor sweepings, glass, mineral or metallic substances, and any and all other waste materials not included in the definition of Bulky Waste, Garbage, Hazardous Waste or Yard Waste.
- 1.11 Service Area - The entire geographic area within the City of Alpharetta, Georgia.
- 1.12 Yard Waste - Tree, shrub and brush trimmings; and leaves, grass or other vegetative matter resulting from landscaping maintenance.

2. General Scope of Work.

- 2.1 General - The work ("Work") under this Agreement shall consist of the Collection Services described in Sections 3, 4 and 5 of this Agreement, including all the supervision, materials, equipment, labor and all other items necessary to complete said Work in accordance with this Agreement.
- 2.2 Additional Residential Units - BFI will, within five (5) working days after notification by the City, provide Collection Services of the same frequency and quality otherwise required of BFI to additional Residential Units within the Service Area. As new Residential Units are constructed and occupied in the Service Area, BFI shall, after written notification from the City, provide Collection Services as required by this Agreement.
- 2.3 Location of Containers for Collection - The term "Curbside" as used in this Agreement refers to that portion of right-of-way adjacent to paved or traveled City roadways. Carts and Bins shall be placed as close to the roadway as practicable without interfering with or endangering the movement of vehicles or pedestrians. When construction work is being performed in the right-of-

way, Carts and Bins shall be placed as close as practicable to an access point for the collection vehicle. BFI may decline to collect any Cart or Bin not so placed.

3. **Residential Recycling Services.**

Commencing January 1, 2000 (the "Effective Date"), BFI shall provide curbside collection service for the collection of Recyclable Materials from each Residential Unit within the Service Area one (1) time per week ("Residential Recycling Services") which shall be the same day that such Residential Unit receives Residential Waste Services. Bins shall be placed at curbside by 7:00 a.m. on the BFI designated collection day. The City has already provided each Residential Unit with a Bin for the deposit of Recyclable Materials. BFI will replace up to ten percent (10%) of Bins which are no longer in working order during the term of this Agreement at BFI's expense. After such 10% threshold is exceeded whenever during the term of this Agreement, the replacement Bins shall be at the City's expense. Any new Residential Unit added to the collection route shall be supplied a Bin by BFI, at BFI's expense.

BFI will place the City logo provided by the City on all such replacement Bins and Bins for new Residential Units. All new Bins whether required to be bought by BFI or the City shall become the property of the City.

It is the intent under this Agreement for BFI to collect certain commingled Recyclable Materials but BFI will not be required to collect Recyclable Materials which are mixed with Refuse, Yard Waste, Hazardous Waste or Bulky Waste. BFI will notify the City of any such addresses where the residents are so commingling Recyclable Materials.

BFI shall not be obligated to collect Yard Waste, Hazardous Waste or Bulky Waste and in the event that any addresses commingle Yard Waste, Hazardous Waste or Bulky Waste with Recyclable Materials or Residential Refuse or otherwise place out for collection Yard Waste, Hazardous Waste or Bulky Waste, BFI will notify the City of these cases.

4. **Residential Waste Collection Services.**

4.1 Commencing on the Effective Date, BFI shall collect and dispose of in a workmanlike manner one (1) time per week Residential Refuse placed in the Cart placed at curbside at each Residential Unit located within the Service

Area ("Residential Waste Services") which shall be the same day that such Residential Unit receives Residential Recycling Services. BFI shall not be required to collect more than the equivalent of one (1) Cart per week except for Tagged Containers as described below. Nothing placed outside of the Cart or the Bin will be picked up by BFI unless it has a tag in such form as approved by the City and BFI (the "Tag") and such Tag is on a reusable trash container and all Refuse is in such container (the "Tagged Container"). For the one week period after Christmas Day in each year of this Agreement, BFI will pick up free of charge extra Refuse placed in reusable trash containers without the requirement that they have a Tag. Further, new residents that move into the City shall not be required to have Tags for extra Refuse created from unpacking as described further in Section 6.11.

4.2 BFI shall provide a Cart at its expense to all Producers. Carts shall be placed at curbside by 7:00 a.m. on the BFI designated collection day.

5. Services to the City

5.1 Commencing on the Effective Date, BFI shall provide the following services to the City's own offices as shown below:

CITY OFFICE	TYPE OF SERVICE AND FREQUENCY	
	REFUSE	RECYCLING
City Hall	4 cy 1x/wk	8 cy cb 1x/wk 5-95g carts 1x/wk
Community Development	Leased Space	2-95g carts 1x/wk
Eng./Pub. Works	Roswell provides basic garbage BFI 30 cy rolloff container every other week service	4-95g carts 1x/wk
Court Services – Crabapple Facility	6 cy 1x/wk	4-95g carts 1x/wk
Environmental Services	Leased Space	2-95 carts 1x/wk
Police Station	2-6 cy 2x/wk	4-95g carts 1x/wk
Fire Station #1 & Headquarters	8cy 1x/wk	8 cy cb 1x/wk 4-95g carts 1x/wk
Fire Station #2	4 cy 1x/wk	2-95g carts 1x/wk
Fire Station #3	Same	Same
Fire Station #4	Same	Same
Fire Station #5	Same	Same

CITY OFFICE	TYPE OF SERVICE AND FREQUENCY	
	REFUSE	RECYCLING
Wills Park Pool/Playground	6cy 2x/wk	Recycling "sort" will be done by Staff of City and taken to central location
Community Center	4 cy 1x/wk	2-95g carts 1x/wk
Equestrian Center, Wills Park Recreation, Ball Fields/Concession	20 cy rolloff container every other week service	2-95g carts 1x/wk
Rec./Parks Administration Bldg.	2-95 carts 1x/wk	2-95g carts 1x/wk
Senior Center	2-6 cy 1x/wk	4-95g carts 1x/wk
Webb Bridge Park	2-6 cy 2x/wk	Recycling "sort" will be done by Staff of City and taken to central location
Union Hills Road Roller Hockey	4 cy 1x/wk	Same as Webb Bridge Park above
North Park Ball Fields	6 cy 2x/wk	Same as Webb Bridge Park above
Mansell House	2 cy 1x/wk	2-95g carts 1x/wk

The City shall be allowed to add future City offices to this Agreement at equivalent rates and frequencies as those given above (with the exception of the City Hall rate which may only be used for other City Hall facilities). The City may also adjust the frequency of pick-ups at the locations given above and the rate will be adjusted to correspond to the new frequency.

5.2 The 8 cubic yard cardboard recycling container provided to City Hall as described in the table of Section 5.1 shall be at no charge so long as it only needs service once per week.

6. Operations.

6.1 Hours of Operation - Collection Services shall not start before 6:30 a.m. or continue after 8:00 p.m. on the same day. Exceptions to collection hours shall be effected only upon the mutual agreement of the City and BFI (in the case of Residential Recycling Services or Residential Waste Services) or when it is reasonably determined by BFI that an exception is necessary in order to complete collection on an existing collection route due to unusual circumstances.

6.2 Routes of Collection - Collection routes, days and schedules within the Service Area shall be established by BFI. BFI shall submit a map designating the collection routes, days and schedules to the City for its approval, which approval shall not be unreasonably withheld. The maps shall be of such size to clearly show all pertinent information. BFI may from time to time propose to the City for approval changes in routes or days of collection, which approval

shall not be unreasonably withheld if the proposed change is based upon a material increase in Residential Units, or, during the first six months of this Agreement, upon a greater efficiency being shown by BFI to the City. BFI will notify the Residential Units of any day of service change as a result of the foregoing.

6.3 Holidays - The following shall be holidays for purposes of this Agreement:

New Year's Day
Martin Luther King's Birthday
Memorial Day
Independence Day
Labor Day
Thanksgiving Day
Christmas Day

BFI may decide to observe any or all of the above mentioned holidays by suspension of collection service on the holiday, in which case Residential nits will be serviced on another day during the week in which the holiday occurs.

6.4 Processing, Marketing and Sale of Recyclable Materials BFI may process Recyclable Materials collected shall be marketed by BFI for recycling unless market prices drop substantially or contamination or residue results in unmarketability or loss in value, in which event such materials will be disposed of as Refuse. BFI will notify the City each time that it discontinues marketing a particular Recyclable Material and provide to the City reasonably satisfactory evidence to establish that the foregoing sentence has been met to allow such material to be disposed of as Refuse. BFI shall have a good faith obligation to resume marketing efforts when market conditions improve. All proceeds from the sale of Recyclable Materials shall be the property of BFI.

6.5 Disposal - All Refuse collected for disposal by BFI shall be hauled to such sanitary landfill as BFI shall determine (the "Disposal Site"). BFI represents and warrants that it has guaranteed access to Disposal Sites for at least a ten year capacity.

6.6 Container Size - On or before the Effective Date of this Agreement, all Residential Units will get a 95 gallon Cart. BFI shall mail out a survey to see

if any Residential Units prefer a 68 gallon Cart instead of the 95 gallon Cart. BFI shall inform the City by January 31, 2000 which Residential Units want a 68 gallon Cart instead of a 95 gallon Cart. As soon as possible thereafter, a 68 gallon Cart shall be delivered by BFI and the 95 gallon Cart taken away at no charge to the City.

- 6.7 Not Responsible for Paving Damage Unless Negligent – BFI shall not be responsible, in connection with providing the Collection Services under this Agreement, for damage to paving of any sort (whether it be asphalt, concrete or any other paving material) caused by BFI's vehicles unless due to BFI's negligence.
- 6.8 Switching Size of Carts – Residential Units desiring to switch from a 68 gallon Cart to a 95 gallon Cart, or vice versa, may do so only once per year on the anniversary of this Agreement (being January 1).
- 6.9 Communication to Residential Units of Services – BFI will inform the City's residents of the Services before the Effective Date by three modes:
 - A. Mail newsletter to every Residential Unit address provided by the City at or before the start of this Agreement;
 - B. Place information on the Carts delivered to every Residential Unit indicating their collection day, and
 - C. BFI will place information regarding the recycling program details (and such holidays and the day of collection after the holidays) in or on the Bins for the first three weeks after such Effective Date, and BFI shall thereafter annually remind the Residential Units about the recycling program details (and the holidays and the day of collection after such holidays) with handbills placed by BFI in or on the Bins.

The contents of all printed information distributed pursuant to this Section 6.9 shall be approved by City personnel which shall not be unreasonably withheld or delayed. The City shall be responsible for all press releases regarding the recycling program or any other aspect of the Collection Services to be provided under this Agreement.

- 6.10 Phone Numbers – BFI will set up a customer service center number that the residents of the City and the City itself may call regarding Work under this Agreement. BFI will provide a list of managers' phone numbers and areas of expertise. In the case of an emergency, certain City officials will have a procedure to contact BFI.
- 6.11 New Residents – BFI will work with the City's Environmental Services Department and the Utility Department to develop a procedure to ensure that new residents of the City receive the necessary information regarding the Residential Recycling Services and Residential Waste Services. BFI will not require such new residents to the City to buy Tags for the extra Refuse created from unpacking at the time of move-in to their Residential Unit.
- 6.12 Five Day Week Work Schedule – BFI will dedicate workers and equipment for a five day work week (Monday through Friday excluding holidays) to providing the Collection Services in accordance with this Agreement.
- 6.13 Backdoor Residential Units – The City shall provide a list of the addresses of Residential Units which due to disabilities of its occupants are in need of back door service. After BFI receives such list from the City, BFI will place a dot on the curb for each such back door Residential Unit.
- 6.14 Distribution and Collection of Tags – The City shall distribute the Tags to the Residential Units. BFI will make Tags available to the City at City Hall and at the City Environmental Services Offices. It shall be the City's responsibility to collect any moneys from Residential Units for the use of such Tags.
- 6.15 Further Education to City Personnel – For Collection Services provided under Section 5, BFI shall educate City personnel on the City facility recycling program. BFI shall meet with custodial workers of the City to educate them on the proper procedures to ensure that materials that City Employees set out for collection under Section 5 are placed in the correct recycling containers.
- 6.16 Monthly Tonnage Report; Record of Calls – On a monthly basis, BFI will provide for the previous month's Collection Services within ten (10) business days from the end of such month being report.

- Summaries of tonnage of all Recyclable Materials collected from the Bins from Residential Units and the City's facilities which use recycling carts and the tonnage of such materials that were a part of the "Recyclable Materials" which were taken to a Disposal Site pursuant to this Agreement.
 - Estimation of any City cardboard recycling service utilizing dumpsters
 - Summary of tons of Refuse collected
 - Monthly total of calls received by BFI's customer service representative(s) including the number of missed collections and the information regarding complaints described in Section 6.19
- 6.17 Wheel Kits For Recycling Bins – Residential Units will be supplied a wheel kit if they request one which shall be placed on the Bin by the Producer. The City will be charged \$5.00 per wheel kit supplied.
- 6.18 BFI MOBIUS to Elementary Schools - The BFI MOBIUS Curriculum will be offered to all City elementary schools by BFI in conjunction with the City's Environmental Services Department.
- 6.19 Missed Collections, Handling of Complaints – All complaints from the residents of the City shall be given prompt and courteous attention. In the case of a missed collection, BFI shall arrange for the collection on that same day if reasonably possible, and in no event later than the next day. In the case of a missed collection on a Friday, BFI shall go back to make the collection that same day if reasonably possible, and if that is not reasonably possible, BFI will provide collection on Saturday or Monday, depending on the request of the customer. BFI shall maintain complaint records which record the date a complaint is received, the name and address of the affected customer, a short description of the complaint and a note that it is resolved.
- 6.20 Spills – Any spills by BFI will be cleaned up by BFI, including, but not limited to, environmental spills. The foregoing sentence requires BFI having spill containment kits on all vehicles and having all drivers trained in the proper use of such kits. In addition, BFI shall report all such spills and cleanups promptly to the City.

7. Compensation.

7.1 Rates - The City shall pay BFI on a monthly basis amounts calculated as follows:

- A. During the period from February 15, 2000 through the end of the term of this Agreement, for Residential Recycling Services and Residential Waste Services
 - (i) Twelve and 74/100 Dollars (\$12.74) per month (prorated for February 2000) multiplied times the number of Residential Units in the Service Area using a 95 gallon Cart **plus**
 - (ii) Eleven and 24/100 Dollars (\$11.24) per month (prorated for February 2000) multiplied times the number of Residential Units in the Service Area using a 68 gallon Cart
- B. During the period from January 1, 2000 to February 14, 2000, for Residential Recycling Services and Residential Waste Services, Twelve and no/100 Dollars (\$12.00) per month (prorated for February 2000) multiplied times the number of Residential Units in the Service Area.
- C. One Hundred Dollars (\$100) per 100 Tag packs as and when the City obtains them.
- D. Five Dollars (\$5.00) per Residential Unit requesting a wheel kit as described in Section 6.17.
- E. Notwithstanding anything herein to the contrary, Collection Services for Residential Units in which the primary wage-earners are couples or singles that are either
 - (i) age sixty-five (65) or older, or
 - (ii) handicapped,

shall be provided by BFI at no fee if the household income is at or below the poverty level, and at Six and no/100 Dollars (\$6.00) per month per such Residential Unit if the household income exceeds the poverty level. For the purposes of this Agreement, the "poverty level" shall be the amount established from time to time by the United States Government. People in Residential Units who wish to qualify for reduced fees shall provide to the City affidavits and such other documentation as the City may require to establish the entitlement. The City shall provide to BFI on an annual basis (meaning January 1 or thereabouts) a list of Residential Units who are entitled to the reduced rates.

F. For Work for the City pursuant to Section 5:

<i>CONTAINER SIZE</i>	<i>FREQUENCY OF PICK UP</i>	<i>MONTHLY PRICE PER CONTAINER</i>
2 cy	1x/wk (refuse)	\$ 24.77
4 cy	1x/wk (refuse)	49.54
6 cy	1x/wk (refuse)	74.30
6 cy	2x/wk (refuse)	148.60
8 cy	1x/wk (recycling other than City Hall)	36.47
8 cy	1x/wk (recycling at City Hall)	0.00
8 cy	1x/wk (refuse)	99.07
8 cy	2x/wk (refuse)	198.14
20 cy rolloff	Every other week (refuse)	360.00
30 cy rolloff	Every other week (refuse)	460.00
95 gallon cart	1x/wk (refuse)	12.21
95 gallon cart	1x/wk (recycling other than City Hall)	9.58
95 gallon cart	1x/wk (recycling at City Hall)	5.63

7.2. Rate Modification Under Certain Circumstances. The foregoing rates in Section 7.1 include the current One and 50/100 Dollar (\$1.50) fee imposed on waste disposal in the State of Georgia, but not any increases in such fee. At this time, BFI is not aware of any proposed additional taxes, charges, surcharges or fees. However, such rates, upon ten (10) days written notice, shall be increased if such additional taxes, charges, surcharges and fees imposed by governmental authorities on the Work or the Disposal Site after the date hereof occur and shall also be increased due to laws, rules, regulations and ordinances which are passed after the date hereof or the interpretation or enforcement of which has changed after the date hereof which have the effect of increasing the Work or the Disposal Site's direct costs. With respect to any

such rate increase, BFI will provide to the City evidence reasonably satisfactory to the City regarding fee increases prior to increasing the rate hereunder.

7.3 Invoices, Payment - BFI shall bill the City for Collection Services rendered within ten (10) days following the end of each month and the City shall pay BFI on or before the last day of the month in which the invoice is received. Such billing and payment shall be based on the rates set forth herein, as may be adjusted in accordance herewith. Such invoice shall show the number of Residential Units serviced hereunder and the applicable rate. In addition, the invoice will list each City facility serviced pursuant to Section 5 and the service level and monthly price for such City facility. All of the Collection Services will be provided to the City in one monthly invoice. BFI shall be entitled to payment for services rendered irrespective of whether or not the City collects from the Producers for such service.

7.4 Rates Exclude City Charges - The rates described in this Section 7, exclude any extra fee that the City may charge per Residential Unit per month as an environmental fee or any other charge or fee that the City proposes to make. Thus, the rates owing to BFI described in this Section 7 shall not be offset by any City imposed environmental fee or other fee or charge imposed by the City and regardless of whether or not the City is able to collect any such fees. The City agrees, however, that any fees charged will be charged evenly to maintain the One Dollar and 50/100 (\$1.50) differential between the 68-gallon Cart price and the 95-gallon Cart price under this Agreement.

8. Term and Termination.

8.1 This Agreement shall be for a term of five (5) years and three (3) months, commencing on the Effective Date and ending March 31, 2005. The parties hereto may renew this Agreement for five additional one (1) year terms if both parties reach an agreement on all other terms and conditions for such renewal periods. Neither party hereto shall be liable for failure to reach mutually satisfactory terms and conditions for a renewal period.

8.2 In the event there should occur any material breach or material default in the

performance of any covenant or obligation of City or BFI which has not been remedied within thirty (30) days after receipt of written notice from the non-breaching party specifying such breach or default (or such longer period of time as is reasonably necessary to cure any such breach or default which is not capable of being cured within thirty (30) days provided the breaching party has undertaken to cure within such thirty (30) days and proceeds diligently thereafter to cure in an expeditious manner), the non-breaching party may, if such breach or default is continuing, terminate this Agreement upon written notice to the other party. In the event of a breach, event of default, or termination of this Agreement, each party shall have available all remedies in equity or at law, unless otherwise provided elsewhere in this Agreement.

9. **Indemnification; Insurance and Bonding.**

9.1 BFI shall indemnify and save harmless the City, its officers and its employees, from and against any and all claims, demands, actions, suits and proceedings by others, and against all liability to others, resulting from the negligence or willful misconduct of BFI in the performance of this Agreement, including, but not limited to, any liability for damages by reason of or arising out of any failure of BFI to secure proper licenses, bonds, insurance coverage or the like, and against any loss, cost, expense, and damages resulting therefrom, including reasonable attorney's fees, except that BFI shall not indemnify the City for any of the foregoing which arise out of or result from the negligence or willful misconduct of or the breach of this Agreement by the City or its employees or agents.

9.2 **Insurance and Bonding.** BFI shall at all times during the Agreement maintain in full force and effect the insurance and bonding shown on Exhibit "A" attached hereto and incorporated herein by reference.

10. **Compliance With Law.**

BFI shall conduct operations under this Agreement in compliance with all applicable laws except that this Agreement shall govern the obligations of BFI and the City in the event of any conflicting ordinances of the City concerning the subject matter hereof. In the event that any Collection Services provided hereunder, or portions thereof, are rendered unlawful or impractical pursuant to laws or regulations promulgated by state, local or federal authorities in the future, BFI shall, upon notice to City, cease providing that Service or portion thereof.

11. **Nondiscrimination.**

BFI shall not discriminate against any person because of race, sex, age, creed, color, religion or national origin.

12. **Licenses and Taxes.**

BFI shall obtain all licenses and permits (other than the license and permit granted by the Agreement) and promptly pay all taxes lawfully required by the City and by the State of Georgia.

13. **Assignment.**

The rights under this Agreement cannot be sold, transferred, leased or assigned or disposed of in whole or in part, without the prior consent of the City expressed by resolution, and then only under such conditions as may therein be prescribed. BFI may, without consent, transfer this Agreement to any entity controlling, controlled by or under common control with BFI as of the date of this Agreement. Notwithstanding the foregoing, a transfer or assignment occurring by operation of law, merger, consolidation, reorganization or other change of BFI's corporate or proprietary structure shall be deemed to be an assignment requiring the approval of the City. If a successor in interest is approved by the City, such successor shall comply with the requirements of this Agreement with respect to insurance. This subsection shall not apply to a transfer in trust, mortgage or other hypothecation to secure an indebtedness.

14. **Force Majeure.**

14.1 Except for the payment obligation of City hereunder, if the City or BFI is unable to perform, or is delayed in its performance of, any of its obligations under this Agreement by reason of any event of force majeure, such inability or delay shall be excused at any time during which compliance therewith is prevented by such event and during such period thereafter as may be reasonably necessary for the City or BFI to correct the adverse effect of such event of force majeure.

14.2 An event of "Force Majeure" shall mean any events or circumstances beyond the reasonable control of the affected party to the extent that they delay the

City or BFI from performing any of its obligations (other than payment obligations) under this Agreement; including the following:

14.2.1 Strikes, work stoppages, and other labor unrest;

14.2.2 Acts of God, tornadoes, hurricanes, floods, sinkholes, fires, and explosions (except those cause by negligence of BFI, its agents, and assigns), landslides, earthquakes, epidemics, quarantine, pestilence, and extremely abnormal and excessively inclement weather; and

14.2.3 Acts of a public enemy, acts of war, terrorism, effects of nuclear radiation, blockages, insurrections, riots, civil disturbances, or national or international calamities.

14.3 In order to be entitled to the benefit of this section, a party claiming an event of force majeure shall be required to give prompt verbal notice followed up with a written notice to the other party specifying in detail the event of force majeure and shall further be required to use its best efforts to cure the event of force majeure. The parties agree that, as to this section, time is of the essence.

14.4 The City will grant such variances in routes and schedules as are reasonably required in the event of force majeure, and will negotiate with BFI fees for any additional work which BFI may agree to perform in such event.

15. **Amendments.**

This Agreement constitutes the entire agreement of the parties regarding the subject matter hereof and may be amended or modified only by a written agreement signed by both parties.

16. **Governing Law.**

This Agreement shall be governed by and construed in accordance with the laws of the State of Georgia.

17. **Exclusivity.**

BFI shall have the sole and exclusive franchise, license and privilege to provide (i) solid waste collection services and recyclables collection services to all Residential Units within the Service Area and (ii) the Work to the City as described in Section 5 hereof during the term of this Agreement.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed by its duly authorized officers as of the date first above stated in this Agreement.

ATTEST:

CITY OF ALPHARETTA,
STATE OF GEORGIA

By: Tracy Dye
Name: Tracy Tye
Title: Assistant Clerk
(SEAL)

By: Charles E. Martin
Name: MAYOR
Title: Mayor

BFI WASTE SYSTEMS OF
NORTH AMERICA, INC.

APPROVED AS TO FORM:
C. Sam Thomas
C. SAM THOMAS, CITY ATTORNEY

By: T. H. Martin
Name: THOMAS MARTIN
Title: Authorized Officer
DISTRICT MANAGER

1510-99-01

City of Alpharetta Recycling Rewards Program Amendment

This document is an amendment to the Recycling Services and Solid Waste Agreement

THIS ADDENDUM (the "Addendum") is made and entered into this ____ day of ALPHARETTA (herein referred to as the "City") and BFI Waste Services, LLC DBA Allied Waste Services of Lawrenceville, GA, a Delaware limited liability company authorized to do business in the State of Georgia (herein referred to as "BFI").

WHEREAS, on April 1, 2005, an Addendum between the City and BFI extended for 1 year the Recycling Services and Solid Waste Collection Contract (the "Contract") existing from December 20, 1999 under which BFI has been providing curbside collection of Residential Garbage, Recyclable Materials, and Yard Waste as defined in the Contract and Addendum.

WHEREAS, on April 1, 2006, an Addendum between the City and BFI extended for 1 year and 3 months the Contract;

WHEREAS, on July 1, 2007, an Addendum between the City and BFI extended for 1 year the Contract;

WHEREAS, on August 25, 2008 an Addendum between the City and BFI extended for 1 year and 8 months on the Contract;

WHEREAS, BFI and the City desire to extend the existing Contract until March 31, 2017 with three (3) one (1) year renewal extensions under the terms and conditions detailed in the Contract and Addenda with the following mutually agreed upon modifications.

NOW, THEREFORE, IT IS HEREBY AGREED AS FOLLOWS:

1. Term.

The Contract and previous Addenda shall be extended for a term commencing on set forth above thru March 31st 2017 with three (3) additional one (1) year renewal extension options per mutual agreement of the City and Contractor.

2. 6.7 Not Responsible for Paving Damage Unless Negligent.

BFI shall not be responsible, in connection with providing the Collection Services under this Agreement, for damage to paving of any sort (whether it be asphalt, concrete or any other paving material) caused by BFI's vehicles unless due to BFI's negligence or failure to properly maintain its vehicles. If a spill, hydraulic or other leaks occur, BFI will exercise its best effort to promptly clean up, repair or otherwise remedy the situation as directed by City Staff.

The following sections are new for this amendment

1. The purpose of this amendment is to set forth the basic terms and conditions under which BFI and the City of Alpharetta will do business with respect to the implementation and ongoing operations of a recycling rewards program. BFI and Recycle Rewards agrees to provide the City of Alpharetta with the incentive based recycling programs service (the "Incentive Recycling Programs") known as Community Weight Based Program as Sole Source & Exclusivity as referenced in Exhibit A attached hereto and incorporated herein by reference (the RecycleBank Sole Source & Exclusivity). BFI and Recycle Rewards shall commence providing the RecycleBank Services with respect to the City of Alpharetta upon the Service Implementation Date of April 1 2010 and shall continue providing such services through the end of the term of the agreement and or renewal terms or provide something similar that is acceptable to the City of Alpharetta.
2. **RecycleRewards.** RecycleRewards, Inc., a Delaware Corporation having its principal office located at 95 Morton Street, 7th Floor, New York, NY 10014. RecycleRewards will act as a subcontractor to Allied Waste providing the incentive based recycling program in the City.
3. **Services.** BFI agrees to provide City with the incentive based recycling program service known as the Community Weight Based Program. The distribution of points is based on weight and will be reported to the City monthly. Points are calculated based on a Community Weight Based Model where the system records participation. Each truck is weighed at the scale house – the net weight is calculated based on the truck load. The net weight of the recyclables is divided by the number of participants on that load to calculate the average pounds per household.
4. **Fees.** The City agrees to pay BFI as follows: which includes the weekly Collection of MSW, Bulky Waste, Yard Waste and Recycling. The payment for incentive based recycling program will begin once customers begin accruing points and have the ability to access their individual accounts projected to be effective April 1, 2010. The fees are subject to the terms of the current BFI operating agreement. The payment cycle for the incentive based program will remain consistent with the current BFI operating agreement billing cycle.

Solid Waste Fees (with Recycle Bank Program)

Weekly curbside house-hold solid waste collection-	
95 Gallon Cart-	\$18.23 per month per house
Extra Cart Service-	\$24.70 per month per house
65gallon Cart Service-	\$17.05 per month per house
Senior Service-	\$ 8.75 per month per house

* Rate to remain rate firm for 3 years. Years 4-7 annual cpi not to exceed 3% with sixty (60) day notice to the City based on prior calendar year. The cpi will be effective every April 1st.

* Senior Service to remain at same rate for 10 year agreement period

5. **Discount.** BFI agrees to a 5% non refundable discount based on an annual payment made in advanced. Both the City and BFI will work together to implement.

6. **Project Timeline.** Within 30 days of the effective date of this amendment, a timeline will be constructed and agreed to by BFI and the City. This will outline milestones so communication can be given to the customers and any marketing can be timed for the most effective results. The estimated completion for the roll out is between 90 and 120 days from the effective date of the amendment.

7. **Customer Support.** BFI will provide the residential customer and vendor reward fulfillment services and management, including RecycleReward's Internet, phone and mail systems. BFI will provide online support as well as telephone support Monday through Friday 8:00 a.m. to 8:00 p.m. EST. BFI may utilize their subcontractor for the majority of customer support for the incentive based recycling program based on the technical expertise of the subcontractor.

8. **Container Maintenance.** The 35 gallon cart(s) will be swapped out for 65 gallon cart(s). Should resident elect to maintain the 35 gallon cart(s) the cart will remain and not be swapped out. The RFID tag will be placed on the container by BFI or its subcontractor.

9. **Website.** BFI will provide and maintain a website through which it will offer the reward service to customers (the "**Website**"). The Website will be available 99% of the time 24/7 except for interruption of the Service due to scheduled outages and maintenance. BFI will use reasonable efforts to notify customers in advance of scheduled maintenance and to avoid scheduling such

maintenance during regular business hours. There will be a website available for customers prior to the program start date that will have basic information and answers to frequently asked questions about the program. The program has 3 steps-Recycle, Redeem and Reward. Each household has a recycling cart to which a Radio Frequency Identification (RFID) tag is affixed. The tag is linked to the resident's RecycleBank account. When recycling is collected, the 'smart carts' are scanned at the curb. The system records weight, converts weight to Points, and credits a resident's account. Residents redeem their Points for discounts and rewards at local, regional and national businesses. Each member will have access to the RecycleBank network of local and national partners. Members can obtain their rewards online or over the phone and redeem the rewards with RecycleBank partners. A complete listing of program partners can be found at www.recyclebank.com/my_rewards. RecycleBank also provides an option for RecycleBank Points to be donated. In some cases, donated Points are matched by a donation from RecycleBank Corporate partners to local schools and charitable organizations. Local non-profit organizations are eligible to be added to the program, and then received donations, through RecycleBank's partnership with Activecause. Each household can track their "environmental footprint" – the impact their recycling efforts has had on the environment, via their RecycleBank account on line. RecycleBank also provides rewards for electronic waste. Household members can download a postage paid label from www.RecycleBank.com and mail their old cell phones, PDAs, MP3 players, iPods or laptops to RecycleBank's partner vendors who will responsibly dispose of them. In addition to the Rewards for Curbside Recycling, Residents will have access to the Online community, email newsletter, Live Green guide, and recycling guidance.

10. Description of Assets. BFI will have the following assets in place for the operation of the incentive based recycling program.

1. RFID tags affixed to recycling carts.
2. MRF Equipment. The designated MRF(s) or disposal facility will be outfitted with the necessary reading equipment to receive the customer download information from BFI's recycling trucks.

11. Reporting. BFI or its subcontractor will provide the City recycling performance reports on a monthly basis. Such reports shall include route-by-route information regarding participation rates and tonnage collected. Additionally, such reports shall include total points earned, total points redeemed, total points donated, and vendor participation (national, regional, local). All such recycling performance data is owned by BFI and may be provided to the City under a limited, non-exclusive and non-transferable license. The City shall not be entitled to receive any other customer or other data derived by BFI from the incentive based recycling program.

12. **Marketing.** City will supply initial data, such as street addresses and zip codes, to populate the database to attach RFID chip numbers and recycle cart serial numbers to individual households. The City will also provide information on new residential accounts to provide new customers with activation kits and supplemental information for the recycling rewards program.
1. BFI will consult with the City to determine potential vendors to include in the recycling rewards program. BFI, at its discretion, may have RecycleRewards call on and set up other local and regional vendors.
 2. BFI, through the partnership with RecycleRewards, will contact and explain reward/redemption program to Vendors and will prepare and execute the required Vendor agreement.
 3. BFI, through the partnership with RecycleRewards, will organize and develop Vendor Reward parameters and will work with Vendors on all approvals.
 4. BFI, through the partnership with RecycleRewards, will utilize existing relations with National Vendors and use reasonable efforts to expand their reward offerings.
 5. The City may consult with BFI on specific marketing programs or community outreach ideas, but BFI reserves the right of final approval on any marketing campaigns.
 6. BFI will be responsible for providing marketing material such as mailers, general distribution pieces and welcome kits. BFI and RecycleRewards reserve final approval on materials with the logos of BFI or RecycleRewards. Approved artwork and copy will be provided for use by the City for any marketing pieces the City develops.
13. **Recycle Rewards Minimum Performance Standards.** Annually, BFI will supply City with the results of the program. Specifically, such reporting shall include information on the vendors (national, regional, local) participating along with their redemption dollar value of participation. Additionally, such reporting shall include total points earned by participants for the year, redeemed, donated. BFI will make all commercially reasonable efforts to exceed the minimum redemption target of 25%.
14. **Customers' Roles and Responsibilities.** Customers must activate their accounts via the Internet or the customer support phone number in order to accumulate points. They also need to participate in the program by setting out their recycle carts with the recycle material on the appropriate day to be collected and registered as participating in the incentive based program. The customer will need to check their account periodically and redeem their rewards via the Internet or the customer support phone number.

15. Confidentiality. To the extent that the state and federal laws allow and subject to Open Public Records Acts, each Party shall keep confidential and not disclose to any third party and will not use, except for the purposes of this Agreement, all business, financial, technical, customer, pricing and other proprietary information, and data (including customer data) that it receives or has received from the other Party ("Confidential Information"). For any information to be deemed "Confidential Information," the same must be in written form and appropriately marked "CONFIDENTIAL" at the time of disclosure to the receiving party or, alternatively, if the information is disclosed orally, the same must be summarized in writing and marked "CONFIDENTIAL" by the disclosing party within ten (10) days after such disclosure. Notwithstanding the foregoing, all data that is gathered and stored by RecycleRewards about Residents is subject to the RecycleRewards Privacy Policy and all applicable state and federal laws and, as such, no such data regarding recycling or online activities of Residents need to be specifically marked as "Confidential" to be considered "Confidential". Municipality hereby expressly acknowledges the RecycleRewards Privacy Policy prior to deploying the Incentive Recycling Program to any Resident.
<http://www.recyclebank.com/agreements>

_____ date 11/13/2010 date

City of Alpharetta, Georgia
BY: Arthur D. Letchas
Arthur Letchas, Mayor

BFI Waste Services LLC dba Allied Waste
BY: Jack Perko
Jack Perko, Area President Georgia/
Alabama

Attest: Sue Ruvutu
City Clerk

Attest: [Signature]
Municipal Services Manager

Approved as to form
Sam Thomas
City Attorney
Seal





August 31, 2011

Republic Services DBA BFI, Allied Waste, United Waste, Robertson Sanitation Emergency Response and Contingency Plans

Disaster and Storm Response

Republic Services will immediately begin to plan the response to the needs of the City during a natural disaster. Our experienced team of operations managers, supervisors and drivers will work hand in hand with the City staff to develop the best strategy toward the most effective response. The Republic Services' fleet of vehicles will remain on call to service the City's needs in the case of a hurricane, ice storm or any natural disaster. Republic Services will notify the City Administrator and the customers of the estimated time when regular collection services will resume, if delayed by a natural disaster.

In the case of natural disasters (hurricanes, tornadoes, etc.) in which State/Federal agencies declare the service area eligible for State\Federal disaster relief *Republic Services* will work with the City, GEMA and FEMA officials to provide needed additional services and equipment.

Equipment Failure

In the case of equipment failure, the driver will notify the dispatcher of the nature of the failure via cell phone/radio. The dispatcher will consult with the on-call maintenance mechanic to determine if the vehicle can be repaired on site or needs to be towed. On-site repairs will warrant an immediate dispatch and in the instance of a towed vehicle, a "back-up" truck will be dispatched to continue the service route. The Republic Services customer service rep and the

City contact will be contacted to warn of any delay in service.

Personnel Contingency

Republic Services employs more than 29,000 people across the country, providing disposal services at more than 331 landfills and transfer stations. In the event that a proposed team member is unable to fulfill his or her duty a replacement team member with like skills will fill the role. Because of Republic Services breadth of experience the City is guaranteed to get qualified and experienced personnel, even in the event that a contingency person or plan is called into action.



967 Carl-Bethlehem Road Winder, GA 30680 (770) 867-2499 FAX (770) 307-0934

August 29, 2011

City of Alpharetta
Engineering/Public Works Dept
1790 Hembree Rd.
Alpharetta, GA 30009

Attn:
Terry Porter
Environmental Programs Coordinator

This letter serves as a disposal capacity assurance for waste generated by the City of Alpharetta and collected by BFI Waste Services, LLC d/b/a United Waste Service and Allied Waste from 2011 thru 2021 to be disposed of at Republic Services of Georgia, Limited Partnership, d/b/a Richland Creek Landfill.

Richland Creek Landfill
5691 S. Richland Creek Rd.
Buford, GA 30518
770 271-3575

The Georgia EPD permit number for Richland Creek is 067-032D(SL). The estimated remaining capacity for this landfill as surveyed on Feb. 14, 2011 is approximately 14,828,000 cubic yards. Based on the remaining capacity of this facility and the current volume of waste received, there is sufficient capacity to meet the City's solid waste needs well past 2021. This assurance is based upon the City of Alpharetta disposing of approximately 60,300 tons of waste at this facility on an annual basis.

We thank the City of Alpharetta and BFI Waste Services, LLC d/b/a United Waste Service and Allied Waste for this business partnership. We look forward to providing environmentally sound waste disposal options for the foreseeable future.

Respectfully,

A handwritten signature in black ink, appearing to read "Michael D Meuse".

Michael D Meuse
General Manager
Central GA Post Collections

**Big Creek 7 Mile Watershed
Water Supply Map
City of Roswell, GA**

Legend

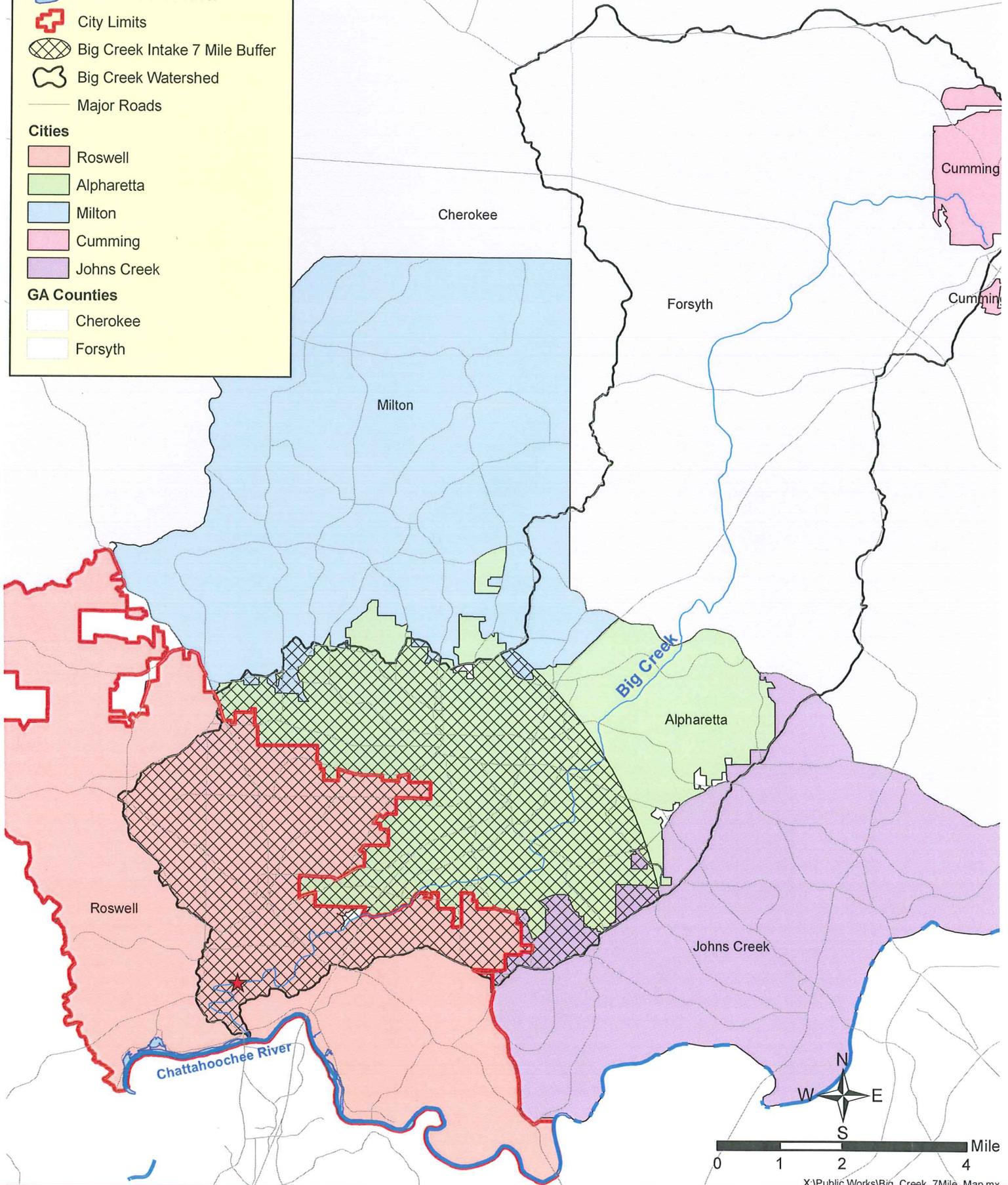
- ★ Big Creek Intake
- ~ Big Creek
- ~ Chattahoochee River
- ⬮ City Limits
- ⊞ Big Creek Intake 7 Mile Buffer
- ⬮ Big Creek Watershed
- Major Roads

Cities

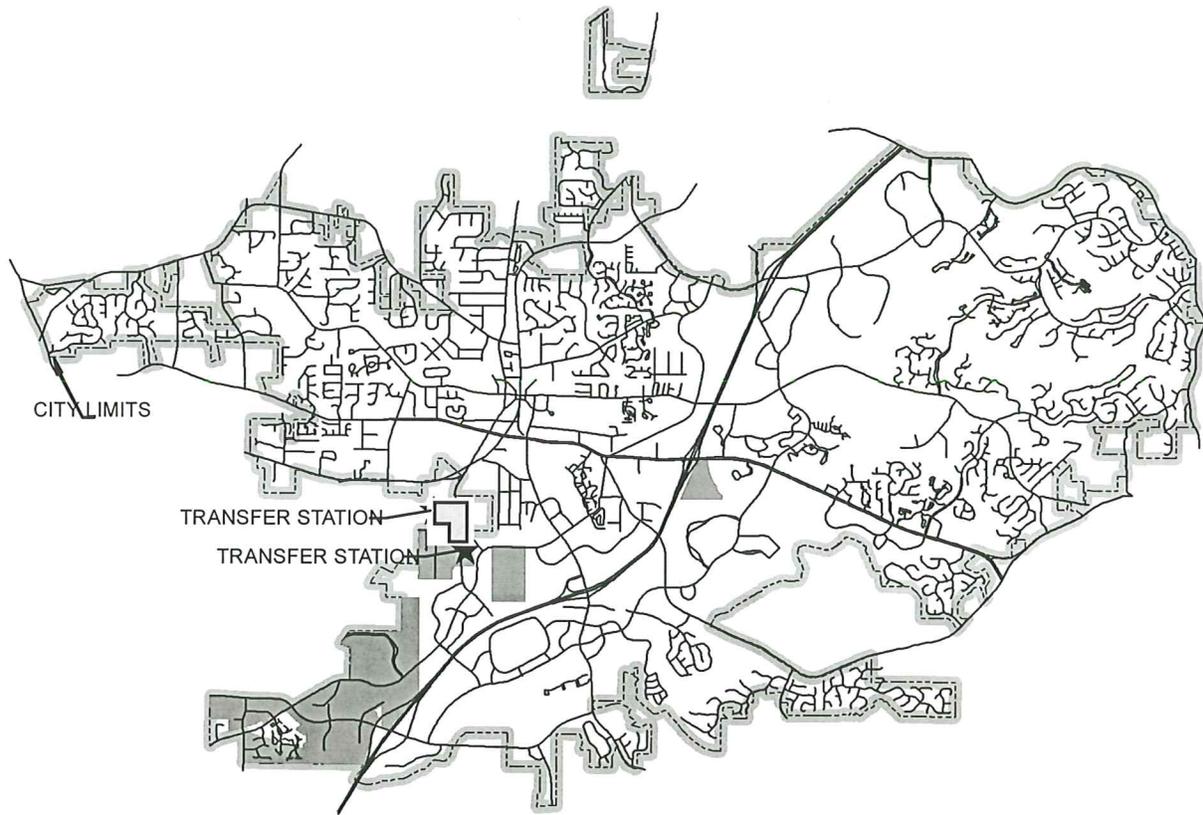
- Roswell
- Alpharetta
- Milton
- Cumming
- Johns Creek

GA Counties

- Cherokee
- Forsyth

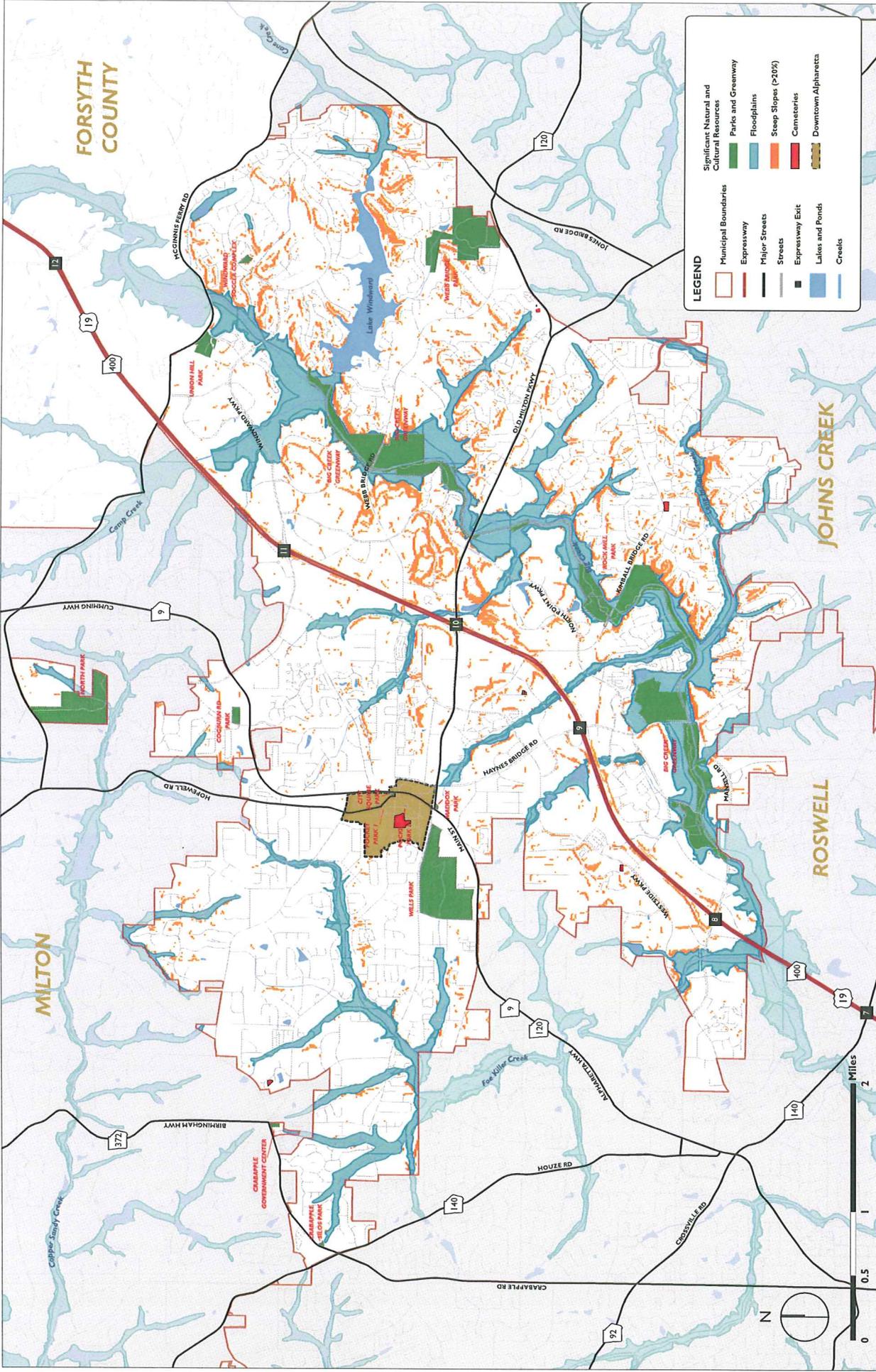


CITY OF ALPHARETTA
SOLID WASTE MANAGEMENT
LIGHT INDUSTRIAL
ZONING DISTRICTS



Legend

-  City Limits
-  Transfer Station
-  Roswell Recycling Center
-  L-I Light Industrial

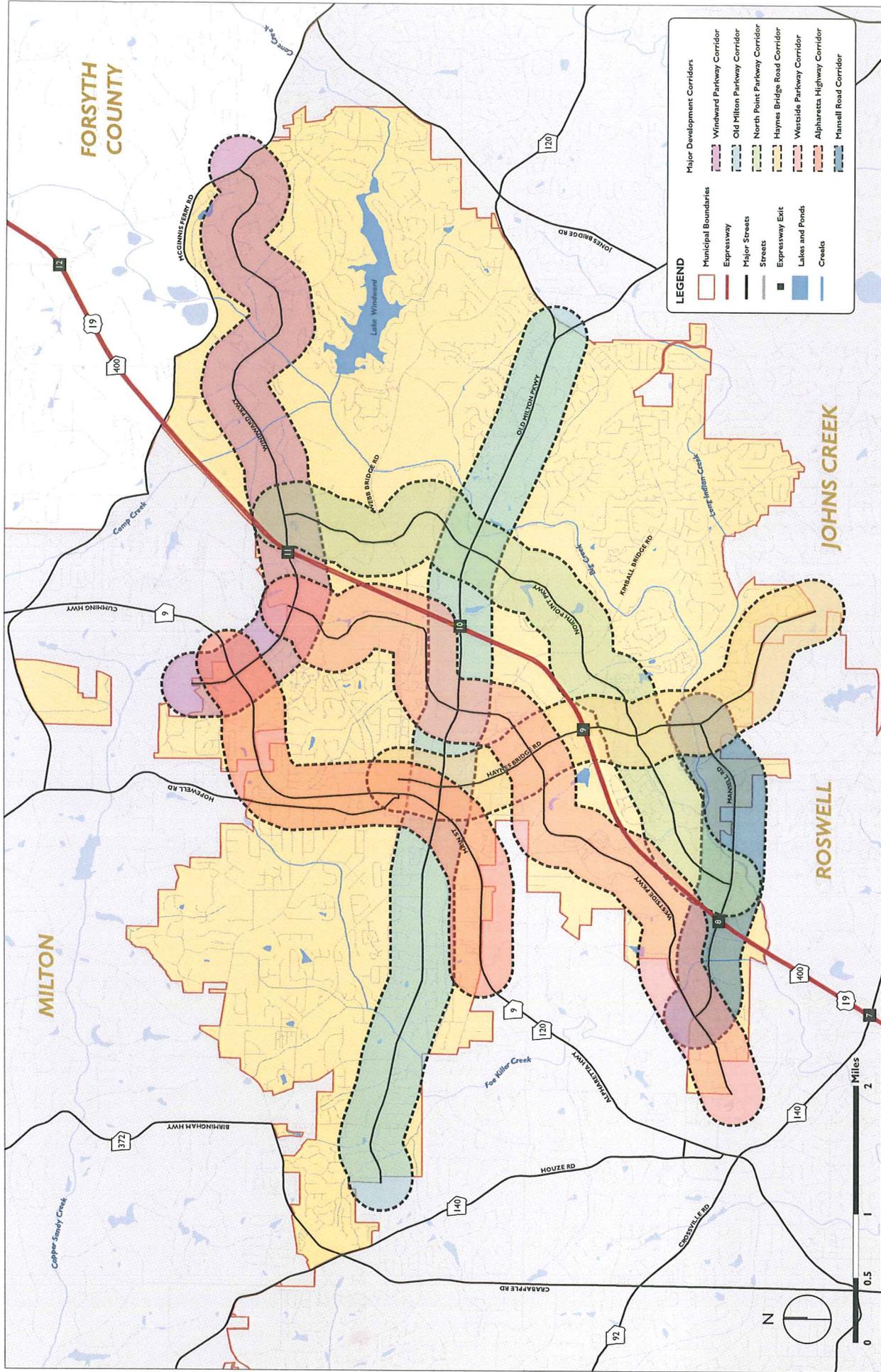


AREAS REQUIRING SPECIAL ATTENTION: Significant Natural and Cultural Resources

City of Alpharetta Comprehensive Plan 2030

Prepared By:





AREAS REQUIRING SPECIAL ATTENTION: Major Development Corridors

City of Alpharetta Comprehensive Plan 2030

Prepared By:

