

SOLID WASTE

Element Summary: Solid Waste

	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	TOTAL
USES								
Convenience Center Program	\$ 50,000	500,000	500,000	500,000	500,000	500,000	500,000	3,050,000
North Wake Landfill	100,000	3,500,000	3,900,000	400,000	-	-	-	7,900,000
TOTAL USES	\$ 150,000	4,000,000	4,400,000	900,000	500,000	500,000	500,000	10,950,000
FUNDING SOURCES								
Solid Waste Cash	\$ 150,000	500,000	900,000	900,000	500,000	500,000	500,000	3,950,000
Reserves--Landfill Closure	-	3,500,000	3,500,000	-	-	-	-	7,000,000
TOTAL SOURCES	\$ 150,000	4,000,000	4,400,000	900,000	500,000	500,000	500,000	10,950,000
NEW OPERATING IMPACT	\$ -	-	-	-	-	-	-	-

Seven-Year CIP Summary

The primary goal of the Solid Waste element is to facilitate the effective and efficient implementation of solid waste operating programs and policies by providing necessary public facilities in a timely manner and maintaining existing facilities in good condition. The capital improvement program includes investments in the County's disposal infrastructure in the form of improvements and remediation to existing facilities to meet demands of the general public. The current capital plan provides \$10.95 million for solid waste capital projects over the next seven years.

History / Background

The State of North Carolina passed legislation in 1989 that required local governments to submit comprehensive solid waste management plans. Subsequent amendments in 1996 required the first 10-year comprehensive solid waste management plans to be submitted to the State in 1997, with updates every three years. Wake County's plan was prepared and adopted in 1997 and updated in 2000 and 2003. The 10-year plan integrates all forms of waste management (waste reduction, reuse, recycling, collection, disposal and capital strategies) among all local governments within the county. In 2003, the Board approved an updated Ten-Year Comprehensive Plan for Solid Waste Management.

All local governments within Wake County were invited to participate in the development of the Solid Waste Plan. All municipalities agreed to be included, with the exception of the City of Raleigh, which opted to develop its own plan through a separate process. The Wake County Solid Waste Advisory Committee (SWAC) oversaw and participated in the Plan's development and approved the Plan for adoption by the elected officials of each participating jurisdiction. The SWAC consists of representatives from each participating jurisdiction, as well as citizens and business representatives appointed by the Board of County Commissioners.

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FY 2005 Accomplishments

The County's solid waste disposal facilities are reaching capacity. Therefore a number of major capital improvement projects have begun. Design, permitting and construction activities were required for the following projects:

- Completed Phase 1 Closure of the North Wake MSW Landfill
- Completed closure of the Feltonsville C&D Landfill
- Design of the proposed South Wake Municipal Solid Waste Landfill is complete and the state Permit to Construct has been issued. Staff is working with municipal partners and consultants to evaluate long term disposal options and will present recommendations to the Commissioners during calendar year 2005.

Horizon Issues

South Wake Landfill - During FY 2005 Wake County, along with its 12 municipalities, began evaluating long-term waste disposal options. Options ranged from shipping waste to an out-of-county landfill, contracting with a private firm to build and/or operate a landfill within Wake County, and Wake County building and operating a landfill. Negotiations are currently underway with private vendors to either ship waste to an out of county landfill or to contract building and operating a landfill in Wake County. The decision on waste disposal is expected to be finalized during calendar year 2005. The County remains firm in its commitment to continue working with the 12 municipalities to develop long-term disposal options. The recommendation will ultimately be presented to the Board of Commissioners for their consideration. At such point, the budget will be established and the capital improvement plan for Solid Waste will be amended accordingly.

Operating Impact

Because the majority of the capital investments are improvements to existing facilities, increases in operating costs are expected to be negligible during the current capital improvements planning period. Decisions regarding long-term options for solid waste disposal will most likely impact operating costs at some point in the future. This impact would be borne by the Solid Waste Management Enterprise Fund, rather than the General Fund.

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Convenience Centers

The County currently operates two multi-material facilities (North Wake and Feltonsville) that accept various recyclable commodities from both residential and commercial customers. Material accepted includes corrugated cardboard, white goods (e.g., refrigerators, washers, dryers), lead-acid batteries, used motor oil and scrap tires. The North Wake facility also accepts electronics for recycling. Eleven convenience center sites are located throughout the County, where residents can bring household waste and materials for disposal or recycling. The sites have areas for recyclable commodities such as newspapers, cardboard, glass containers (green, brown, clear), aluminum containers, steel cans, scrap metal and plastics. The County operates two household hazardous waste drop-off facilities at North Wake and Feltonsville for residential customers only.

Funding in the FY 2006-2012 CIP will be used to conduct a comprehensive assessment of the locations and conditions of all existing convenience centers. In addition, the services currently offered at the centers will be evaluated. A multi-year plan for improving convenience center facilities and enhancing services will be prepared. It is anticipated that facility modifications and improvements will be completed during the seven-year period.



Drop-Off Center at Convenience Center #4

Project Summary: Convenience Centers

Uses	Prior Funding	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Total 06-12
Planning	\$ 50,000	-	-	-	-	-	-	-	-
Engineering & Construction	-	50,000	500,000	500,000	500,000	500,000	500,000	500,000	3,050,000
TOTAL USES	\$ 50,000	50,000	500,000	500,000	500,000	500,000	500,000	500,000	3,050,000

Funding Sources

Solid Waste Cash	\$ 50,000	50,000	500,000	500,000	500,000	500,000	500,000	500,000	3,050,000
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New Operating Budget Impact	\$ -	-	-	-	-	-	-	-	-
Total Operating Budget Impact	-	-	-	-	-	-	-	-	-

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North Wake Landfill

In 1996, Wake County opened a lined landfill off Durant Road in north Raleigh. This landfill accepts municipal solid waste and is projected to reach capacity in late 2007. Closure of this landfill occurs in two phases. Phase I, consisting of 27 acres, was completed in FY 2005. Phase II (approximately 40 acres), will begin after the last amounts of waste are received in approximately late 2007, depending upon usage. Final closure cost estimate is \$7,000,000 and will be funded by reserves that were accumulated as part of the tipping fee structure throughout the life of the landfill.

The North Wake Landfill property may lend itself to beneficial uses after closure. Wake County, in cooperation with a Citizens' Advisory Committee, is exploring options for potential uses, such as incorporating greenways and open space uses. Land Planning consultants will be retained to assist with development of a master plans for post-closure use of the property. Expenditures for master planning will occur in FY 2006 with construction anticipated to begin in FY 2008.



North Wake Construction and Demolition Landfill

Project Summary: North Wake Landfill

Uses	Prior Funding	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Total 06-12
N. Wake Landfill Master Plan									
Planning & Design	\$ -	100,000	-	-	-	-	-	-	100,000
Construction	-	-	-	400,000	400,000	-	-	-	800,000
N. Wake Subtitle D Landfill Closure									
Engineering and Construction - Phase II	-	-	3,500,000	3,500,000	-	-	-	-	7,000,000
TOTAL USES	\$ -	100,000	3,500,000	3,900,000	400,000	-	-	-	7,900,000
Funding Sources									
Solid Waste Cash	\$ -	100,000	-	400,000	400,000	-	-	-	900,000
Closure Reserve Allocation	-	-	3,500,000	3,500,000	-	-	-	-	7,000,000
TOTAL SOURCES	\$ -	100,000	3,500,000	3,900,000	400,000	-	-	-	7,900,000
New Operating Budget Impact	\$ -	-	-	-	-	-	-	-	-
Total Operating Budget Impact	-	-	-	-	-	-	-	-	-