



Mecklenburg County

Solid Waste Handling Electronics



Guiding Principles

- Our Mission - *Provide for the environmentally sound and economical management of the recyclables and solid waste generated in Mecklenburg County*
- Our Aspiration – *Create recycling infrastructure for no wasted resources in our County*



Solid Waste Info



\$2.2M
Diverted
Annually



By directing material to recycling, not landfill



77
Full Time
Employees



2000

Disposal Rate
tons per person per year

A 41% reduction in
per capita waste



2016

**Metrolina Recycling Center
Contract Tonnage**



2015

75,226



2016

75,839

**WIPE
OUT WASTE**

Mecklenburg County
Solid Waste

980-314-DUMP | WipeOutWaste.com

**Operating
Budget**



Landfill

Foxhole Landfill

FY15 104,033 TONS



FY16 118,397 TONS



Speedway Landfill

FY15 363,023 TONS



FY16 382,677 TONS



All Recycling Centers

Total Customers

FY15

536,253



FY16

621,003



Tonnage

FY15

FY16

Construction
& Demolition

28,081



36,395



Electronics

1,200



1,193



Household
Hazardous Waste

854



868



Yard Waste
Tonnage

104,617



108,839



Panthers Tailgate

144
Volunteers



50.4 tons
recyclables collected

Solid Waste Info

- Solid Waste operates as an Enterprise Fund (no county dollars)
- Handled almost 400,00 tons of municipal solid waste FY 18
- Handled over 150,000 tons of recyclables and over 120,000 tons of compostable material
- Increased customer activity at all locations
- Incorporated a smaller small drop center into the new Compost facility (opened April 2017)





Solid Waste Service Delivery

- The County has Interlocal Agreements (for solid waste management) with all Towns and the City run that through 2028.
- County owns four drop centers a material recovery facility, a compost facility and a landfill.
- The County also Contracts with a Vendors to deliver services.



Solid Waste Service Delivery

- County self operates the Foxhole Landfill, the four full service drop enters and numerous unstaffed drop centers; only accepts C&D Materials.
- County self hauls and contracts for solid waste collection



Solid Waste Financial Concerns

- The Recycling Commodity Market Crash has caused a loss of nearly \$3M in annual revenues from recyclables sold.
- Other costs continue to rise, such as repair of machinery and contractual commitments.
- Existing infrastructure needs to be updated and expanded.



Solid Waste Financial Concerns

- Electronics and TV's accounted for a \$700,000 annual cost expenditure in FY 2017 and are projected to be more than \$600,000 in FY 18.



Solid Waste Funding

- The Solid Waste Enterprise fund is Funded by tipping fees, commodity revenue and user/availability fees. There are no tax dollars.



Solid Waste Funding

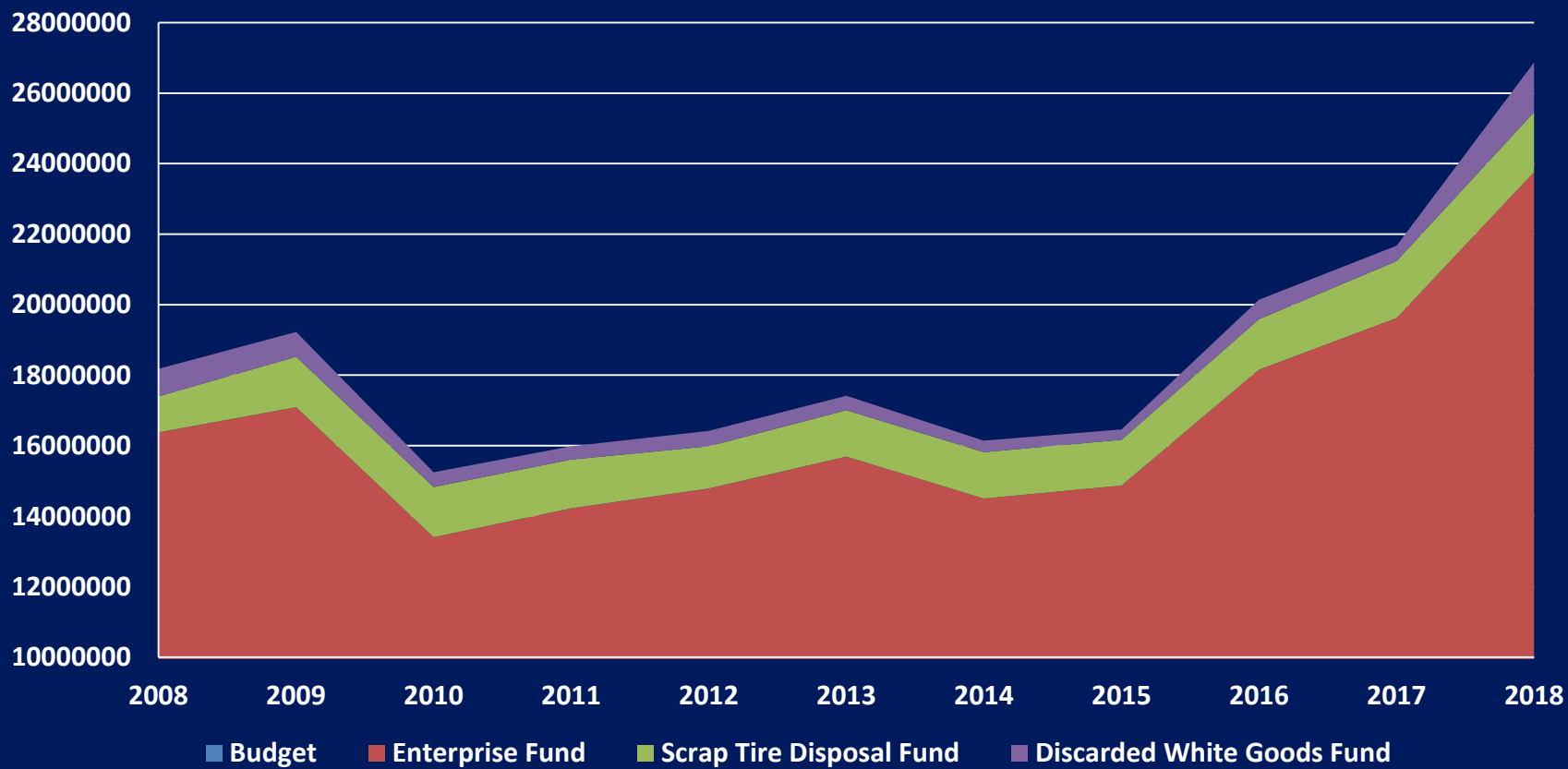
Solid Waste Disposal Fee

- In FY 17 the County proposed a stepped approach of increasing fee by \$3.50 per year through FY 20.
- FY 17: \$20.50 per household
- FY 18: \$24 per household (proposed)
- There is a need for future Capital Projects and to fund future projects and maintain Reserve Funds



Solid Waste Budget

Solid Waste Operating Ten-Year Budget History





Electronics Budget Summary

- - Prior to FY 15 The County contracted with a vendor to handle of TV's and Electronics at the County's four drop centers. This was a revenue contract.
- - During FY 16 many vendors indicated that they could not perform under the terms of the current contracts (i.e. The County had to pay for services)



FY 2017 Budget

- Increased costs are being incurred by the contracts which we administer such as Household Hazardous Waste, and Electronics Collection and Disposal. The discarded electronics costs were up nearly \$600,000 for FY 16. New charges were recommended for FY 17, and due to the magnitude of the current situation, recommendations were to institute TV charges. Other private entities have started charging fees for TV's, and the County found it's facilities being the repository for free dumping.



FY 2018 Budget

- Expenditures for existing contracts increased as the County received more materials (TV's; Household Hazardous Waste; Tires) along with standard increases in CPI. Televisions alone account for a total budget line item of \$800,000, an increase of \$200,000 from FY 2017 requested amount.



Electronics Budget Summary

- FY 15 with electronic market changed.
- FY 15 the County Cost \$66,000.
- FY 16 the County Cost \$630,000
- FY 17 the County Cost \$690,000
- FY 18 the County Cost \$609,087



Summary

- In summary the current Statutes and Regulatory programs banning electronics and TV's from landfilling are having a substantial economic impact on local government Solid Waste management programs.



Summary

- While there is value in many post consumer electronics Cathode Ray Tubes (CRTS) represent a cost.
- Funding from the industry is not adequate to cover the local government cost of processing CRTS



Recommendations

- While there is no perfect answer to the funding and management of Electronics and CRTs, NCDEQ has made some recommendations
- The complete recommendations from The Study of Electronics are included in the NCDEQ submittal submitted to this Group per Session Law 2015-286.



Recommendations

Legislative Recommendations

- The General Assembly should consider legislation to balance cost obligations more equitably between computer manufacturers, television manufacturers, and local governments.



Recommendations

- DEQ Programmatic Recommendations
- Assign television recycling targets that are more in line with actual collected tonnage and with the trends in that collection.
- Explore seeking more detailed information in annual reports to allow more accurate accounting of total TV tonnage, to better track how well TV manufacturer quotas are supporting local government collection programs.



Recommendations

- DEQ Programmatic Recommendations
- Consider using Mercury Pollution Prevention funds as supplemental payments to local governments for the collection of LCD televisions and monitors, which contain mercury lamps.



Recommendations

- Local Program Recommendations
- Continually seek to implement best management practices in the handling of televisions and computer equipment:
- Consider collecting from sources with higher value materials:



Solid Waste

- If you have any questions, please contact me.
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