

SOLID WASTE CIP Summary	Funding in FY 2013/14	Funding in FY 2014/15	Funding in FY 2015/16	Funding in FY 2016/17	Funding in FY 2017/18	Funding in FY 2018/19	Funding in FY 2019/20	Funding in FY 2020/21	Total
PAY AS GO									
ATV Kubota	-	-	20,000	-	-	-	-	-	20,000
Bulldozer	-	-	-	310,000	-	-	345,000	-	655,000
Cell Closure Cost (MSW & C&D)	-	-	-	-	-	-	-	100,000	100,000
C&D Landfill - 2 additional acres	-	-	-	50,000	50,000	-	-	-	100,000
Compactor	-	600,000	-	-	-	650,000	-	-	1,250,000
Computer Aided Survey Equip	115,000	-	-	-	-	-	-	-	115,000
Diesel Storage Tank	-	-	-	-	-	50,000	-	-	50,000
Dump Truck-On Road	-	-	-	-	150,000	-	-	-	150,000
Dump Truck-Off Road	-	-	-	425,000	-	-	450,000	-	875,000
Excavator	-	-	325,000	-	350,000	-	-	-	675,000
Farm Tractor	-	-	100,000	-	-	-	-	-	100,000
Lawnmower and/or Bush Hog	-	20,000	20,000	-	-	23,000	-	-	63,000
Landfill Signage	10,000	-	-	-	-	-	-	-	10,000
Master & Management Plans update	-	28,000	-	55,000	31,000	-	-	35,000	149,000
Mechanic Truck and/or Service Fuel Truck	-	-	130,000	-	120,000	-	-	-	250,000
Methane Skid and Gas Flare	800,000	-	-	-	-	-	-	-	800,000
Methane Gas Perimeter Infrastructure	-	-	75,000	-	-	-	100,000	100,000	275,000
Pickup Truck 3/4 Ton and/or 1/2 Ton	35,000	35,000	-	35,000	-	-	-	-	105,000
Rubber Tire Loader	-	-	180,000	-	-	-	-	190,000	370,000
Scales/Scalehouse Renovations	-	-	-	150,000	-	-	-	-	150,000
Semi-Road Tractor	-	-	-	-	-	100,000	-	-	100,000
Subtitle D Cell Construction	750,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	-	7,950,000
Topographic Update	-	-	20,700	-	21,500	-	22,400	-	64,600
Tub Grinder	-	650,000	-	-	-	-	-	-	650,000
TOTAL PAY AS GO	1,710,000	2,533,000	2,070,700	2,225,000	1,922,500	2,023,000	2,117,400	425,000	15,026,600

Solid Waste CIP 1st 4 Years	Funding in FY 2013/14	Funding in FY 2014/15	Funding in FY 2015/16	Funding in FY 2016/17	Total
PAY AS GO					
ATV Kobota- Kobota is used to transport staff around landfill property for checking gas and water wells and inspecting perimeter and fencing. Existing Kobota was purchased in 2007.	-	-	20,000	-	20,000
Bulldozer- Bulldozers are scheduled for replacement in Fiscal Years 2016/17 and 2019/20. Replacements are scheduled according to Solid Waste financial analysis and planning.	-	-	-	310,000	310,000
C&D Cell 2 Additional Acres- Design and permitting for an additional 2 acres to expand the C&D landfill.	-	-	-	50,000	50,000
Compactor- Compactors are scheduled for replacement in Fiscal Years 2014/15 and 2018/19 based on hours of operation and according to Solid Waste financial analysis and planning.	-	600,000	-	-	600,000
Computer Aided Survey Equipment- This system improves existing compactors to ensure even distribution of cover soils, delivering real time elevations, compactions and grade control. Equipment allows County to address new Solid Waste permit State requirements.	115,000	-	-	-	115,000
Dump Truck Off Road- Dump Trucks are scheduled for replacement according to Solid Waste financial analysis and planning.	-	-	-	425,000	425,000
Excavator- Scheduled for replacements in Fiscal Years 2015/16 and 2017/18. Replacements are scheduled according to Solid Waste financial analysis and planning.	-	-	325,000	-	325,000
Farm Tractor- Used to cultivate crops for the Biodiesel Production Facility that are grown on the buffer areas around the Landfill.	-	-	100,000	-	100,000

Solid Waste CIP 1st 4 Years	Funding in FY 2013/14	Funding in FY 2014/15	Funding in FY 2015/16	Funding in FY 2016/17	Total
Lawnmower & Bush Hog- Lawn mowers and bush hogs are used to maintain property associated with the Landfill and Solid Waste Management.	-	20,000	20,000	-	40,000
Landfill Signage- Replacing old Landfill signs and install new updated signs to meet State requirements.	10,000	-	-	-	10,000
Master & Management Plans Update- Update to the Solid Waste Master Plan and the Solid Waste Management Plan as mandated by the State every 3 years.	-	28,000	-	55,000	83,000
Mechanic Truck and/or Service Fuel Truck- Replacement mechanic trucks and service fuel trucks are scheduled according to Solid Waste financial analysis and planning.	-	-	130,000	-	130,000
Methane Gas Collection Blower/Flare Skid- Replacement of equipment that removes the methane naturally generated from the breakdown of waste at the landfill and transports it to methane flares/electricity engines for destruction. New equipment is needed due to existing equipment's age and to comply with State and Federal Air Quality regulations.	800,000	-	-	-	800,000
Methane Gas Perimeter Infrastructure- New methane gas extraction wells and purchase associated piping, fittings, heads, etc. in completed waste areas of Unit 2 & Unit 3 Landfill cells. This will allow Landfill to start extracting needed methane from these areas to increase gas flow to the methane to electricity co-generation facility.	-	-	75,000	-	75,000
Pickup Truck 3/4 Ton and/or 1/2 Ton- 3/4 ton or 1/2 ton pickups are replaced as necessary according to the Solid Waste financial analysis and planning.	35,000	35,000	-	35,000	105,000
Rubber Tire Loader- Loaders are scheduled for replacement in Fiscal Years 15/16 and 20/21 based on hours of operation and according to the Solid Waste financial analysis and planning.	-	-	180,000	-	180,000

Solid Waste CIP 1st 4 Years	Funding in FY 2013/14	Funding in FY 2014/15	Funding in FY 2015/16	Funding in FY 2016/17	Total
Scales/Scalehouse Renovations- Refurbish existing scales installed in 1997 to provide more exact weight for invoicing which includes new computer system and may require minor renovations to the scales office.	-	-	-	150,000	150,000
Subtitle D Cell Construction- This project funds the continuum of the Subtitle D Cell Construction. The next cell is Phase 2 of Unit 3.	750,000	1,200,000	1,200,000	1,200,000	4,350,000
Topographic Update- As required by NC-DENR Division of Solid Waste.	-	-	20,700	-	20,700
Tub Grinder- Replace tub grinder in C&D Landfill area in accordance with Solid Waste Financial Plan.	-	650,000	-	-	650,000
Total Pay as Go	1,710,000	2,533,000	2,070,700	2,225,000	8,538,700

Solid Waste CIP 2nd 4 Years	Funding in FY 2017/18	Funding in FY 2018/19	Funding in FY 2019/20	Funding in FY 2020/21	Total
PAY AS GO					
Bulldozer- Bulldozers are scheduled for replacement in Fiscal Years 2016/17 and 2019/20. Replacements are scheduled according to Solid Waste financial analysis and planning.	-	-	345,000	-	345,000
C&D Cell 2 Additional Acres- Design and permitting for an additional 2 acres to expand the C&D Landfill.	50,000	-	-	-	50,000
Cell Closure Cost (MSW & C&D)- Construction of additional 2 acres if County decides to proceed and if State approval granted.	-	-	-	100,000	100,000
Compactor- Compactors are scheduled for replacement in Fiscal Years 2014/15 and 2018/19 based on hours of operation and according to Solid Waste financial analysis and planning.	-	650,000	-	-	650,000
Diesel Storage Tank- Used to store biodiesel produced by the Biodiesel Production Facility until it's used in Landfill equipment.	-	50,000	-	-	50,000
Dump Truck On Road- Dump Trucks are scheduled for replacement according to Solid Waste financial analysis and planning.	150,000	-	-	-	150,000
Dump Truck Off Road- Dump Trucks are scheduled for replacement according to Solid Waste financial analysis and planning.	-	-	450,000	-	450,000
Excavator- Scheduled for replacements in Fiscal Years 2015/16 and 2017/18. Replacements are scheduled according to Solid Waste financial analysis and planning.	350,000	-	-	-	350,000
Lawnmower & Bush Hog- Lawn mowers and bush hogs are used to maintain property associated with the Landfill and Solid Waste Management.	-	23,000	-	-	23,000

Solid Waste CIP 2nd 4 Years	Funding in FY 2017/18	Funding in FY 2018/19	Funding in FY 2019/20	Funding in FY 2020/21	Total
Master & Management Plans Update- Update to the Solid Waste Master Plan and the Solid Waste Management Plan as mandated by the State every 3 years.	31,000	-	-	35,000	66,000
Mechanic Truck and/or Service Fuel Truck- Replacement mechanic trucks and service fuel trucks are scheduled according to Solid Waste financial analysis and planning.	120,000	-	-	-	120,000
Methane Gas Perimeter Infrastructure- New methane gas extraction wells and purchase associated piping, fittings, heads, etc. in completed waste areas of Unit 2 & Unit 3 Landfill cells. This will allow Landfill to start extracting needed methane from these areas to increase gas flow to the methane to electricity co-generation facility.	-	-	100,000	100,000	200,000
Rubber Tire Loader- Loaders are scheduled for replacement in Fiscal Years 15/16 and 20/21 based on hours of operation and according to the Solid Waste financial analysis and planning.	-	-	-	190,000	190,000
Semi-Road Tractor- Tractor is used to haul tankers and trailers in Landfill daily operations. Replacement is scheduled according to the Solid Waste analysis.	-	100,000	-	-	100,000
Subtitle D Cell Construction- The project funds the continuum of the Subtitle D Cell Construction. The next cell is Phase 2 of Unit 3.	1,200,000	1,200,000	1,200,000	-	3,600,000
Topographic Update- As required by NC-DENR Division of Solid Waste.	21,500	-	22,400	-	43,900
Total Pay as Go	1,922,500	2,023,000	2,117,400	425,000	6,487,900