

SOLID WASTE CIP Summary	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	Funding in FY 2021/22	Funding in FY 2022/23	Funding in FY 2023/24	Total
PAY AS YOU GO									
ATV Kubota	-	20,000	-	-	-	-	-	-	20,000
Bulldozer	-	-	-	-	-	-	350,000	-	350,000
Bulldozer Rebuild Program	-	-	-	-	-	435,000	-	-	435,000
Cell Closure Cost (MSW & C&D)	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	800,000
C&D Landfill - 2 additional acres	-	100,000	-	-	-	-	-	-	100,000
Compactor	-	-	700,000	-	-	-	-	-	700,000
Diesel Storage Tank	-	-	-	-	-	-	50,000	-	50,000
Dump Truck-Off Road	-	450,000	-	-	475,000	-	-	-	925,000
Enviro Cover Machine	290,000	-	-	-	-	-	-	-	290,000
Excavator	375,000	-	-	400,000	-	-	-	-	775,000
Lawnmower and/or Bush Hog	-	-	28,000	-	-	25,000	-	-	53,000
LFG Collection Improvements	140,000	-	-	-	-	-	-	-	140,000
Mechanic Truck and/or Service Fuel Truck	-	150,000	-	-	-	-	-	120,000	270,000
Methane Gas Perimeter Infrastructure	-	-	-	100,000	-	-	-	-	100,000
Mini Excavator	75,000	-	-	-	-	-	-	-	75,000
Pickup Truck 3/4 Ton and/or 1/2 Ton	37,000	-	-	-	38,000	-	-	-	75,000
Rubber Tire Loader	-	185,000	-	190,000	-	-	-	-	375,000
Scales/Scale House Renovations	460,000	-	-	-	-	-	-	-	460,000
Subtitle D Cell Construction	1,200,000	1,200,000	1,200,000	1,000,000	250,000	250,000	250,000	250,000	5,600,000
TOTAL PAY AS YOU GO	2,677,000	2,205,000	2,028,000	1,790,000	863,000	810,000	750,000	470,000	11,593,000

OPERATING COSTS									
Personal Services	1,824,200	1,860,684	1,897,898	1,935,856	1,974,573	2,014,064	2,054,345	2,095,432	15,657,052
General Operating	2,974,209	3,033,693	3,094,367	3,156,254	3,219,379	3,283,767	3,349,442	3,416,431	25,527,542
State \$2 Tax (collected and paid)	304,800	307,848	310,926	314,035	317,175	320,347	323,550	326,786	2,525,467
TOTAL OPERATING	5,103,209	5,202,225	5,303,191	5,406,145	5,511,127	5,618,178	5,727,337	5,838,649	43,710,061

TOTAL EXPENSES	7,780,209	7,407,225	7,331,191	7,196,145	6,374,127	6,428,178	6,477,337	6,308,649	55,303,061
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REVENUE									
Landfill User Fees	4,158,000	4,199,580	4,241,576	4,283,992	4,326,832	4,370,100	4,413,801	4,457,939	34,451,820
Methane-Duke Power	1,018,298	1,018,298	1,018,298	1,018,298	1,018,298	1,018,298	1,018,298	1,018,298	8,146,384
Demo Landfill User Fees	607,200	613,272	619,405	625,599	631,855	638,174	644,556	651,002	5,031,063
Tire Disposal Tax	180,000	180,000	180,000	180,000	180,000	180,000	180,000	180,000	1,440,000
Solid Waste Disposal Tax (5 year average 22% of tax paid)	62,000	62,620	63,246	63,878	64,517	65,162	65,814	66,472	513,709
Solid Waste Franchise Fee	50,000	50,000	50,000	75,000	75,000	75,000	75,000	75,000	525,000
White Goods Disposal Tax	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	360,000
All Other Revenues	97,200	97,200	97,200	97,200	97,200	97,200	97,200	97,200	777,600
Fund Balance Appropriated	1,562,511	1,141,255	1,016,466	807,178	(64,575)	(60,756)	(62,332)	(282,262)	4,057,485
TOTAL REVENUES	7,780,209	7,407,225	7,331,191	7,196,145	6,374,127	6,428,178	6,477,337	6,308,649	55,303,061

Solid Waste CIP 1st 4 Years	Funding in FY 2016/17	Funding in FY 2017/18	Funding in FY 2018/19	Funding in FY 2019/20	Total
PAY AS YOU 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
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	100,000	100,000	400,000
C&D Cell 2 Additional Acres- Design and permitting for an additional 2 acres to expand the C&D landfill.	-	100,000	-	-	100,000
Compactor- Compactors are scheduled for replacement in Fiscal Years 2015/16 and 2018/19 based on hours of operation and according to Solid Waste financial analysis and planning.	-	-	700,000	-	700,000
Dump Truck Off Road- Dump Trucks are scheduled for replacement according to Solid Waste financial analysis and planning.	-	450,000	-	-	450,000
Enviro Cover Machine- Deployer used to cover MSW landfill with biodegradable film that will reduce soil usage and save airspace. State regulations require daily cover of working face.	290,000	-	-	-	290,000
Excavator- Excavators are used in obtaining soils needed for landfill operations. Replacements are scheduled according to Solid Waste financial analysis and planning.	375,000	-	-	400,000	775,000
Lawnmower & Bush Hog- Lawn mowers and bush hogs are used to maintain property associated with the Landfill and Solid Waste Management.	-	-	28,000	-	28,000
LFG Collection Improvements- This project consists of Landfill Dewatering System which is required for reducing leachate (liquid) levels in vertical gas extraction wells, which will relieve pressure on the landfill liner that causes leachate seeps and blowouts. The system will also benefit County by increasing the volume of gas delivered to the gas-to-energy facility, thus, creating more electricity.	140,000	-	-	-	140,000

Solid Waste CIP 1st 4 Years	Funding in FY 2016/17	Funding in FY 2017/18	Funding in FY 2018/19	Funding in FY 2019/20	Total
Mechanic Truck and/or Service Fuel Truck- Replacement mechanic trucks and service fuel trucks are scheduled according to Solid Waste financial analysis and planning.	-	150,000	-	-	150,000
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
Mini Excavator- Equipment used to install methane gas collection lines, erosion control, piping, and headwalls. Attachments will allow staff to bush hog 20 acres of steep slopes around landfill, keep the 18 sediment ponds clean, and reduce recycled concrete to small size for use in road base around the landfill.	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.	37,000	-	-	-	37,000
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.	-	185,000	-	190,000	375,000
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.	460,000	-	-	-	460,000
Subtitle D Cell Construction- This project funds the continuum of the Subtitle D Cell Construction. The next cell is Unit 3 Phase 2 projected to open Fiscal Year 2020/21. Funds will continue to be set aside for future Unit 3 Phase 3.	1,200,000	1,200,000	1,200,000	1,000,000	4,600,000
Total Pay as Go	2,677,000	2,205,000	2,028,000	1,790,000	8,700,000

Solid Waste CIP 2nd 4 Years	Funding in FY 2020/21	Funding in FY 2021/22	Funding in FY 2022/23	Funding in FY 2023/24	Total
PAY AS YOU 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.	-	-	350,000	-	350,000
Bulldozer Rebuild Program- Rebuild a D8 size bulldozer at 60% cost of a new one. It will be based on a 10,000-12,000 operational time period.	-	435,000	-	-	435,000
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	100,000	100,000	400,000
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 Off Road- Dump Trucks are scheduled for replacement according to Solid Waste financial analysis and planning.	475,000	-	-	-	475,000
Lawnmower & Bush Hog- Lawn mowers and bush hogs are used to maintain property associated with the Landfill and Solid Waste Management.	-	25,000	-	-	25,000
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
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.	38,000	-	-	-	38,000
Subtitle D Cell Construction- This project funds the continuum of the Subtitle D Cell Construction. The next cell is Unit 3 Phase 2 projected to open Fiscal Year 2020/21. Funds will continue to be set aside for future Unit 3 Phase 3.	250,000	250,000	250,000	250,000	1,000,000
Total Pay as Go	863,000	810,000	750,000	470,000	2,893,000