

Rockbridge County
Solid Waste Authority
Capital Improvements Program
FYE 2018-2022



ROCKBRIDGE COUNTY
SOLID WASTE AUTHORITY

Scheduled Budget Meeting
Adopted May 1, 2017

Rockbridge County Solid Waste Authority
FYE 2018-2022
Capital Improvements Program

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County of Rockbridge

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Memorandum

To: Honorable Members of the Rockbridge County Solid Waste Authority

for, From: Spencer Suter – Secretary *Steve Bolster*

RE: FYE 2018 – FYE 2022 Capital Improvements Program

Date: April 27, 2017

I am pleased to present you with the final Solid Waste Authority (SWA) capital improvements program (CIP) for fiscal years ending (FYE) 2018 – 2022. The CIP is designed to project major capital needs for construction or major maintenance projects over \$5,000. Development of the plan commenced in September 2016, when staff reviewed the 2017 – 2021 CIP, making adjustments based on existing project progress and proposed new projects for the future. The draft plan was reviewed by the RCSWA Board in November and December 2016, and then provisionally approved by the RCSWA on January 9, 2017, subject to any ongoing developments in the ongoing budget process. Since the provisional adoption in January, no changes have been made to the plan.

The FYE 2018 proposed plan includes nearly \$2.0M in capital expenditures for the required closure and intermediate cover for the currently operating landfill cell. Please let me know if you have any questions.



CAPITAL IMPROVEMENT PLAN PROJECT REQUEST
FISCAL YEARS ENDING (FYE) 2018 - 2022

Requesting Department (POC):	SWA - Landfill (Jeremy Garrett)
Project Title:	Lease-purchase of new CAT 963D track loader (or equivalent)
Budget Line #:	4-19-19040-8002

Status: (mark with BOLD "X")	<input type="checkbox"/>	New Project	<input type="checkbox"/>	No change from prior year's plan	X	Changes Added
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Description: (Enter narrative to the right)	The current CAT 963DS track loader was purchased in FYE 2013 and is scheduled for replacement in FYE 2020. The track loader currently has 6,075 machine hrs and averages 1,822 hrs/yr. At the current rate of use we will reach 12,755 hrs by the start of FY 2020. I am concerned about the machine making it until then because of completed major, under-carriage repair work, but the engine and pumps should hold up, although 12,000 hrs is a lot for this type of machine. We have already had multiple significant wear repairs to the track system and bucket. Published information on this machine estimates a life-cycle of 10,000 hrs on most essential components and the engine between 12,000 -15,000 hrs. Staff plans to procure future vehicle using a state contract or cooperative agreement.
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Justification: (Enter narrative to the right)	Replacement as scheduled is imperative to the continued efficient operation of the landfill and reduced maintenance/repair costs. The benefit is to ensure regulatory compliance, maximize services, and minimize unscheduled costs. Staff anticipates a 5-year lease term at an interest rate of 3.0%. Principal value @ \$357,000, estimated interest @ \$27,890, total payments @ \$384,890. The former equipment can be sold as surplus to recoup costs.
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Performed by (mark applicable w/ BOLD "X"):	X	In-house	<input type="checkbox"/>	Contract
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Estimated Annual Impact on Operating Cost:	\$0
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Fund Source	FYE 2018	FYE 2019	FYE 2020	FYE 2021	FYE 2022	Total
Lease-Purch	\$0	\$0	\$76,978	\$76,978	\$76,978	\$384,890
Total	\$0	\$0	\$76,978	\$76,978	\$76,978	\$384,890



CAPITAL IMPROVEMENT PLAN PROJECT REQUEST
FISCAL YEARS ENDING (FYE) 2018 - 2022

Requesting Department (POC):	SWA - Landfill (Jeremy Garrett)
Project Title:	Purchase of a new Ford Explorer (or equivalent)
Budget Line #:	4-19-19040-7002

Status: (mark with BOLD "X")	<input type="checkbox"/>	New Project	<input type="checkbox"/>	No change from prior year's plan	X	Changes Added
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Description: (Enter narrative to the right)	Provide the department Director with a replacement vehicle that is practical for the general needs of the department's general operations. The vehicle is scheduled to be replaced within acceptable guidelines to maximize efficiencies. Staff plans to procure future vehicle using a state contract or cooperative agreement.
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Justification: (Enter narrative to the right)	Vehicle mileage and condition will be assessed as we move forward in time. The Director's responsibilities require a dependable, efficient vehicle for transportation from the landfill to County and City offices numerous times daily as well as to neighboring landfills, running general errands, and to various required training events throughout Virginia. The current vehicle is a 2012 Ford Explorer with 70,000 miles. The former vehicle could be passed on to another department or sold as surplus to recoup costs.
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Performed by (mark applicable w/ BOLD "X"):	X	In-house	<input type="checkbox"/>	Contract
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Estimated Annual Impact on Operating Cost:	\$0
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Fund Source	FYE 2018	FYE 2019	FYE 2020	FYE 2021	FYE 2022	Total
Fund 19	\$0	\$0	\$0	\$30,600	\$0	\$30,600
Total	\$0	\$0	\$0	\$30,600	\$0	\$30,600



CAPITAL IMPROVEMENT PLAN PROJECT REQUEST
FISCAL YEARS ENDING (FYE) 2018 - 2022

Requesting Department (POC):	SWA - Landfill (Jeremy Garrett)
Project Title:	Landfill closure and intermediate cover
Budget Line #:	4-19-19050

Status: (mark with BOLD "X")	<input type="checkbox"/>	New Project	<input type="checkbox"/>	No change from prior year's plan	X	Changes Added
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Description: (Enter narrative to the right)	Closure and intermediate cover is required by the Virginia Department of Environmental Quality (VDEQ) at the end of the current cells approved lifecycle (June 30, 2017). The estimated cost includes all engineering, design, permitting, bidding, and construction. Staff and our consulting engineering firm previously estimated \$93,800 in engineering costs for FYE 2017 in preparation for closure construction activities to begin in FYE 2018. As part of the effort to maximize airspace in the current active cell, staff and our consultant have delayed the engineering services until FYE 2018. There are no substantive changes to cost forecasted as a result of this decision. Cost have been anticipated and closure funds are available under Fund 19.
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Justification: (Enter narrative to the right)	The closure is a required compliance activity under VDEQ regulations and protects the existing cell from water infiltration and (wind/water) erosion. The source of funding is the closure/post-closure restricted account. The account balance as of March 31, 2017 is \$3,403,180. The remaining restricted account balance after the closure/intermediate project will fund the 30-year monitoring requirement per VDEQ regulations (subject to change).
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Performed by (mark applicable w/ BOLD "X"):	<input type="checkbox"/>	In-house	X	Contract
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Estimated Annual Impact on Operating Cost:	\$0
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Fund Source	FYE 2018	FYE 2019	FYE 2020	FYE 2021	FYE 2022	Total
Closure	\$1,993,800	\$0	\$0	\$0	\$0	\$1,993,800
Total	\$1,993,800	\$0	\$0	\$0	\$0	\$1,993,800

FY 16-17

Account	Purpose	Company	Due Date	Principal	Interest	Total
4-19-19040-8002	SWA Landfill Loader	Caterpillar	Monthly	\$64,172.37	\$2,879.91	\$67,052.28
4-19-19040-8002	SWA Landfill Compactor	Santander	Monthly	\$78,129.71	\$4,543.45	\$82,673.16
4-19-19040-8002	SWA Landfill Excavator	KS St. Bank	Monthly	\$53,679.47	\$5,975.14	\$59,654.61
4-19-19040-8002	SWA Landfill Haul Truck	KS St. Bank	Monthly	\$77,246.06	\$8,598.37	\$85,844.43
4-19-19040-9902	Transfer Station	VRA	10/1/16	\$25,000.00	\$14,571.88	\$39,571.88
4-19-19040-9902	Transfer Station	VRA	4/1/17	\$0.00	\$14,081.25	\$14,081.25
Total FY 16-17				\$298,227.61	\$50,650.00	\$348,877.61

FY 17-18

Account	Purpose	Company	Due Date	Principal	Interest	Total
4-19-19040-8002	SWA Landfill Loader	Caterpillar	Monthly*	\$66,242.38	\$810.90	\$67,053.28
4-19-19040-8002	SWA Landfill Compactor	Santander	Monthly	\$80,419.10	\$2,254.06	\$82,673.16
4-19-19040-8002	SWA Landfill Excavator	KS St. Bank	Monthly	\$55,130.38	\$4,524.23	\$59,654.61
4-19-19040-8002	SWA Landfill Haul Truck	KS St. Bank	Monthly	\$79,333.96	\$6,510.47	\$85,844.43
4-19-19040-9902	Transfer Station	VRA	10/1/17	\$25,000.00	\$14,081.25	\$39,081.25
4-19-19040-9902	Transfer Station	VRA	4/1/18	\$0.00	\$13,440.63	\$13,440.63
4-19-19040-xxxx	Lined Landfill - Infrastructure	VRA	10/1/17	\$65,000.00	\$60,625.00	\$125,625.00
4-19-19040-xxxx	Lined Landfill - Infrastructure	VRA	4/1/18	\$0.00	\$59,159.38	\$59,159.38
4-19-19040-xxxx	Lined Landfill-Cell 1	VRA	10/1/17	\$425,000.00	\$69,993.75	\$494,993.75
4-19-19040-xxxx	Lined Landfill-Cell 1	VRA	4/1/18	\$0.00	\$60,503.13	\$60,503.13
Total FY 17-18				\$796,125.82	\$291,902.80	\$1,088,028.62

FY 18-19

Account	Purpose	Company	Due Date	Principal	Interest	Total
4-19-19040-8002	SWA Landfill Compactor	Santander	Monthly*	\$34,199.51	\$247.64	\$34,447.15
4-19-19040-8002	SWA Landfill Excavator	KS St. Bank	Monthly	\$56,620.50	\$3,034.12	\$59,654.62
4-19-19040-8002	SWA Landfill Haul Truck	KS St. Bank	Monthly	\$81,478.28	\$4,366.15	\$85,844.43
4-19-19040-9902	Transfer Station	VRA	10/1/18	\$25,000.00	\$13,440.03	\$38,440.03
4-19-19040-9902	Transfer Station	VRA	4/1/19	\$0.00	\$12,875.00	\$12,875.00
4-19-19040-xxxx	Lined Landfill - Infrastructure	VRA	10/1/18	\$70,000.00	\$59,159.38	\$129,159.38
4-19-19040-xxxx	Lined Landfill - Infrastructure	VRA	4/1/19	\$0.00	\$57,565.63	\$57,565.63
4-19-19040-xxxx	Lined Landfill-Cell 1	VRA	10/1/18	\$440,000.00	\$60,503.13	\$500,503.13
4-19-19040-xxxx	Lined Landfill-Cell 1	VRA	4/1/19	\$0.00	\$50,628.13	\$50,628.13
Total FY18-19				\$707,298.29	\$261,819.21	\$969,117.50

FY 19-20

Account	Purpose	Company	Due Date	Principal	Interest	Total
4-19-19040-8002	SWA Landfill Excavator	KS St. Bank	Monthly	\$58,150.92	\$1,503.68	\$59,654.61
4-19-19040-8002	SWA Landfill Haul Truck	KS St. Bank	Monthly	\$83,680.60	\$2,163.84	\$85,844.43
4-19-19040-9902	Transfer Station	VRA	10/1/19	\$25,000.00	\$12,875.00	\$37,875.00
4-19-19040-9902	Transfer Station	VRA	4/1/20	\$0.00	\$12,234.38	\$12,234.38
4-19-19040-xxxx	Lined Landfill - Infrastructure	VRA	10/1/19	\$70,000.00	\$57,565.63	\$127,565.63
4-19-19040-xxxx	Lined Landfill - Infrastructure	VRA	4/1/20	\$0.00	\$55,871.88	\$55,871.88
4-19-19040-xxxx	Lined Landfill-Cell 1	VRA	10/1/19	\$465,000.00	\$50,628.13	\$515,628.13
4-19-19040-xxxx	Lined Landfill-Cell 1	VRA	4/1/20	\$0.00	\$39,462.50	\$39,462.50
Total FY 19-20				\$701,831.52	\$232,305.04	\$934,136.56

FY 20-21

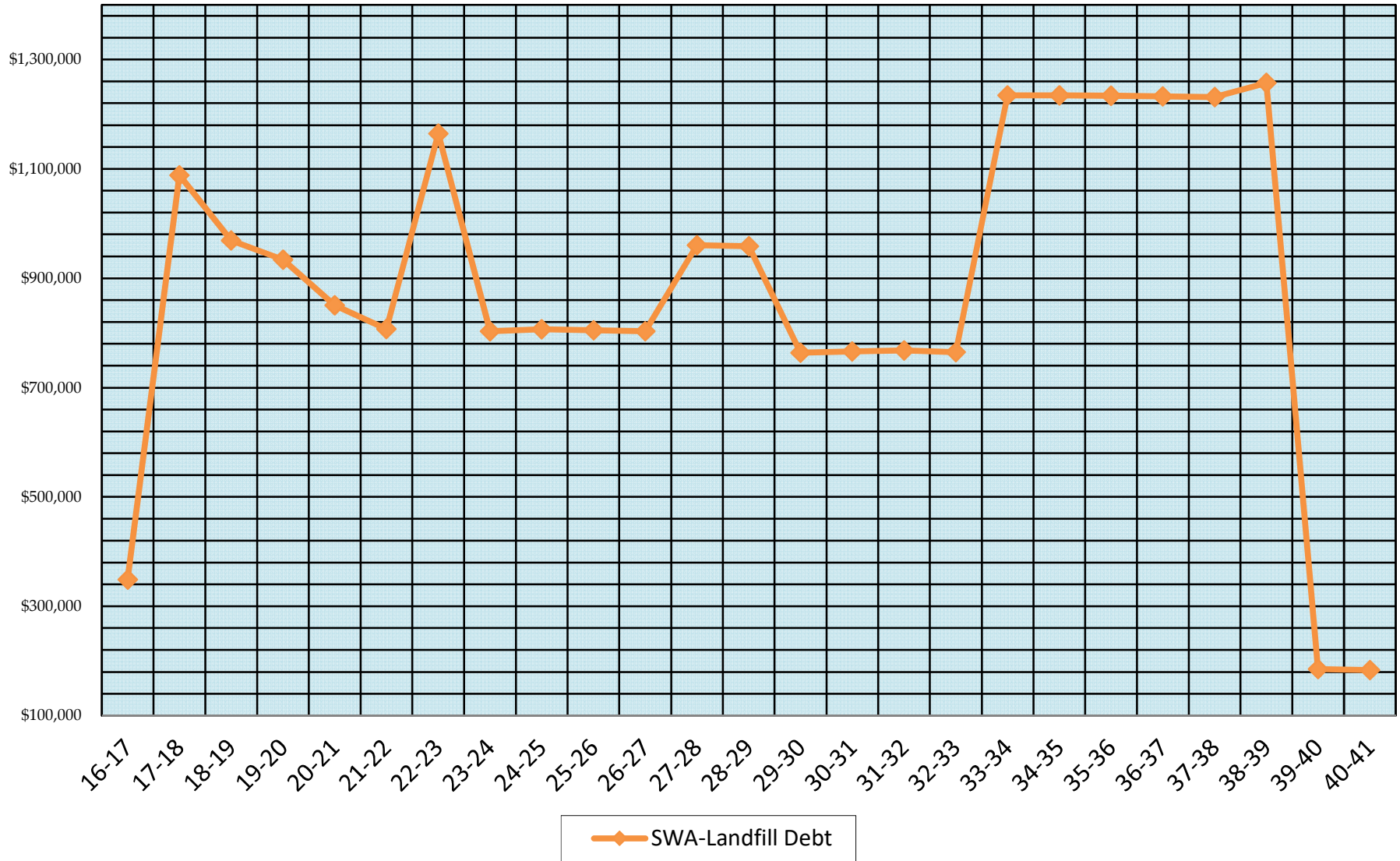
Account	Purpose	Company	Due Date	Principal	Interest	Total
4-19-19040-8002	SWA Landfill Excavator	KS St. Bank	Monthly*	\$24,691.02	\$165.06	\$24,856.09
4-19-19040-8002	SWA Landfill Haul Truck	KS St. Bank	Monthly*	\$35,530.99	\$237.53	\$35,768.51
4-19-19040-9902	Transfer Station	VRA	10/1/20	\$30,000.00	\$12,234.38	\$42,234.38
4-19-19040-9902	Transfer Station	VRA	4/1/21	\$0.00	\$11,465.63	\$11,465.63
4-19-19040-xxxx	Lined Landfill - Infrastructure	VRA	10/1/20	\$75,000.00	\$55,871.88	\$130,871.88
4-19-19040-xxxx	Lined Landfill - Infrastructure	VRA	4/1/21	\$0.00	\$53,950.00	\$53,950.00
4-19-19040-xxxx	Lined Landfill-Cell 1	VRA	10/1/20	\$485,000.00	\$39,462.50	\$524,462.50
4-19-19040-xxxx	Lined Landfill-Cell 1	VRA	4/1/21	\$0.00	\$27,034.38	\$27,034.38
Total FY 20-21				\$650,222.01	\$200,421.36	\$850,643.37

FY 21-22

Account	Purpose	Company	Due Date	Principal	Interest	Total
4-19-19040-9902	Transfer Station	VRA	10/1/21	\$30,000.00	\$11,465.63	\$41,465.63
4-19-19040-9902	Transfer Station	VRA	4/1/22	\$0.00	\$10,771.88	\$10,771.88
4-19-19040-xxxx	Lined Landfill - Infrastructure	VRA	10/1/21	\$80,000.00	\$53,950.00	\$133,950.00
4-19-19040-xxxx	Lined Landfill - Infrastructure	VRA	4/1/22	\$0.00	\$51,900.00	\$51,900.00
4-19-19040-xxxx	Lined Landfill-Cell 1	VRA	10/1/21	\$515,000.00	\$27,034.38	\$542,034.38
4-19-19040-xxxx	Lined Landfill-Cell 1	VRA	4/1/21	\$0.00	\$27,034.38	\$27,034.38
Total FY 21-22				\$625,000.00	\$182,156.27	\$807,156.27

SWA-Landfill Debt Service

FYE 2017 and beyond



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**Rockbridge County Solid Waste Authority (RCSWA)
Capital Improvements Program Summary**

FYE 2018-2022

LAST UPDATE 04-27-2017

PROJECT	WORKSHEET PG#	FYE 2018	FYE 2019	FYE 2020	FYE 2021	FYE 2022	SUBTOTAL
SWA - Landfill (Fund 19)							
Landfill Operations (19040)							
Lease-Purchase: CAT 963D Track Loader (or eq)	2	\$0	\$0	\$76,978	\$76,978	\$76,978	
Purchase of New Ford Explorer (or equivalent)	3	\$0	\$0	\$0	\$30,600	\$0	
SUBTOTAL		\$0	\$0	\$76,978	\$107,578	\$76,978	\$261,534
Landfill Closure/Post-Closure (19050)							
Landfill Closure & Intermediate Cover	4	\$1,993,800	\$0	\$0	\$0	\$0	
SUBTOTAL		\$1,993,800	\$0	\$0	\$0	\$0	\$1,993,800
TOTAL Fund 19 without Debt Service		\$1,993,800	\$0	\$76,978	\$107,578	\$76,978	\$2,255,334
SWA Debt (Principal Only w/o Interest)							
2012 VRA Rev. Bond - Transfer Station		\$25,000	\$25,000	\$25,000	\$30,000	\$30,000	
2013 CAT Financial - Track Loader		\$66,242	\$0	\$0	\$0	\$0	
2013 Santander Leasing - Compactor		\$80,419	\$34,200	\$0	\$0	\$0	
2015 KC StateBank - Articulated Haul Truck		\$79,334	\$81,478	\$83,681	\$35,531	\$0	
2015 KC StateBank - Excavator		\$55,130	\$56,621	\$58,151	\$24,691	\$0	
2016 VRA Rev. Bond - Lined Landfill Cell 1		\$490,000	\$510,000	\$535,000	\$560,000	\$595,000	
Total SWA Debt		\$796,125	\$707,298	\$701,832	\$650,222	\$625,000	\$3,480,477