

Blue Ridge Resource Authority  
Capital Improvements Plan

FY 2026-2030



Presented to the Blue Ridge Resource Authority  
Board

May 12, 2025

## **The Blue Ridge Resource Authority Capital Improvements Plan For Fiscal Years 26-30**



I am pleased to present to you the proposed FY26- FY30 Capital Improvements Plan (CIP) for The BRRA. This CIP plan includes \$1,923,025 of capital improvements for the BRRA. The plan identifies \$1,883,025 of equipment procurements through planned lease-purchase agreements. This plan also includes \$40,000 for the purchase of a new crew cab 4x4 pickup truck.

This plan consists of equipment procurement in the form of 5 year lease agreements. These lease agreements represent a continued plan of financing the Authority put into place 16 years ago.

The CAT D6N dozer (CAT D5 is now the equivalent) is used daily for grading of facility roads, cover soil, and as a backup machine when our track loader is down. This machine is on a 10-year life cycle and is scheduled for replacement in FY 2027. The estimated cost of replacement is \$420,575.

The Volvo EC350 Excavator (or equivalent) serves a vital role at the landfill. It is used daily for the excavation of cover soil and various other projects around our site. It has an expected life span of 10 years. It is currently scheduled to be replaced in FY 2028. The estimated cost of replacement is \$371,175.

The Volvo A30G Articulating truck (or equivalent) is required to support daily landfill activities such as transporting daily cover soil from the borrow area to the working face, and moving other various materials around the site. It has an estimated life cycle of 14 years. It is currently scheduled to be replaced in FY 2029. The estimated cost of replacement is \$577,479.

The John Deere Track Loader (or equivalent), is on a scheduled life cycle of 5 years. This particular piece of equipment is used daily to push up waste. Construction debris is considered a harsh environment for this piece of equipment. The estimated cost of replacement is \$513,796. Replacement will be required in FY 2029.



Fred Dudley, Director

**Blue Ridge Resource Authority  
Capital Improvement Plan  
FY 2026 - FY 2030**

<b>Project</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>FY 2029</b>	<b>FY 2030</b>	<b>Subtotal</b>
<b>Capital Purchases</b>						
New 4x4 Crew Cab Pickup Truck		\$40,000				<b>\$40,000</b>
CAT D6N Dozer (or equivalent)		\$99,935	\$99,935	\$99,935	\$99,935	<b>\$399,740</b>
Volvo EC350 Excavator (or equivalent)				\$88,197	\$88,197	<b>\$176,394</b>
Volvo A30G Artic Truck (or equivalent)				\$137,217	\$137,217	<b>\$274,434</b>
<b>Total CIP</b>	<b>\$0</b>	<b>\$139,935</b>	<b>\$99,935</b>	<b>\$325,349</b>	<b>\$325,349</b>	<b>\$890,568</b>

**\$176,394**

**CAPITAL IMPROVEMENT PROGRAM REQUEST**  
**FISCAL YEARS ENDING (FYE 2026 - 2030)**



<b>Requesting Organization:</b>	Blue Ridge Resource Authority
<b>Project Title:</b>	New 4X4 Crew Cab Pickup Truck
<b>Budget Line #:</b>	4-19-19040-8002

<b>Status:</b> (mark with <b>BOLD "X"</b> )	<b>X</b>	New Project		No change from prior year's plan		Changes Added
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<b>Description:</b> (Enter narrative to the right)	The BRRA is currently operating a 2015 Ford F-250 4X4 truck. This vehicle is used for various projects on-site as well as picking up parts and transporting staff to training events and other job related functions.
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<b>Justification:</b> (Enter narrative to the right)	Staff intends to use the current F-250 to replace our fuel truck which was purchased used in 2022 from the Rockbridge County PSA. The cost is estimated to be \$40,000. It is anticipated that the truck will be purchased through eVA and staff is requesting that the funds for this purchase be added to the FY 2027 budget.
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Performed by (mark applicable w/ <b>BOLD "X"</b> )	<b>X</b>	In-house		Contract
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<b>Estimated Annual Impact on Operating Cost:</b>	\$3,000
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Fund Source	FYE2026	FYE2027	FYE2028	FYE2029	FYE2030	Not Yet Programmed	Total
Op Revenues	\$0	\$40,000	\$0	\$0	\$0	\$0	\$40,000
<b>Total</b>	<b>\$0</b>	<b>\$40,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$40,000</b>

**CAPITAL IMPROVEMENT PLAN REQUEST**  
**FISCAL YEARS ENDING (FYE 2026 - 2030)**



<b>Requesting Organization:</b>	Blue Ridge Resource Authority
<b>Project Title:</b>	Lease Purchase of a CAT D6N Dozer (or equivalent)
<b>Budget Line #:</b>	4-19-19040-8002

<b>Status:</b> (mark with <b>BOLD "X"</b> )	<b>X</b>	New Project		No change from prior year's plan		Changes Added
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<b>Description:</b> (Enter narrative to the right)	The BRRA is currently operating a CAT D6N dozer. This machine was purchased in December of 2017. Staff is requesting to replace the equipment in FY 2027. This procurement plan assumes a 10-year life cycle for the current machine.
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<b>Justification:</b> (Enter narrative to the right)	It has been made clear through past operations and analysis of other landfill programs that scheduled replacement of key equipment will greatly reduce maintenance and repair costs, and will require lower rental expenses and/or downtime due to equipment failures. The benefit is to ensure regulatory compliance, maximize services, and minimize unscheduled costs. In FY 2027, staff anticipates a 5 year lease term at an interest rate of 7%. Principal value @ \$420,575; interest @ \$79,098.34 with a total of 5 annual payments @ \$99,935 for a total cost of \$499,673. The former equipment can be sold as surplus to recoup costs. Procurement will be made via an existing cooperative procurement contract.
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Performed by (mark applicable w/ <b>BOLD "X"</b> )		In-house	<b>X</b>	Contract
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<b>Estimated Annual Impact on Operating Cost:</b>	\$12,500
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Fund Source	FYE 2026	FYE 2027	FYE 2028	FYE 2029	FYE 2030	Not Yet Programmed	Total
Op Revenues	\$0	\$99,935	\$99,935	\$99,935	\$99,935	\$99,934	\$499,673
<b>Total</b>	<b>\$0</b>	<b>\$99,935</b>	<b>\$99,935</b>	<b>\$99,935</b>	<b>\$99,935</b>	<b>\$99,934</b>	<b>\$499,673</b>

**CAPITAL IMPROVEMENT PLAN REQUEST**  
**FISCAL YEARS ENDING (FYE 2026 - 2030)**



<b>Requesting Organization:</b>	Blue Ridge Resource Authority
<b>Project Title:</b>	Lease Purchase of Volvo EC350 Excavator (or equivalent)
<b>Budget Line #:</b>	4-19-19040-8002

<b>Status:</b> (mark with <b>BOLD "X"</b> )		New Project		No change from prior year's plan	<b>X</b>	Changes Added
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<b>Description:</b> (Enter narrative to the right)	The BRRA is currently operating a Volvo EC350EL Crawler Excavator. This machine was purchased in FY 2016. Staff is requesting to replace the equipment in FY 2028. This procurement plan assumes a 12-year life cycle for the current machine.
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<b>Justification:</b> (Enter narrative to the right)	It has been made clear through past operations and analysis of other landfill programs that scheduled replacement of key equipment will greatly reduce maintenance and repair costs, and will require lower rental expenses and/or downtime due to equipment failures. The benefit is to ensure regulatory compliance, maximize services, and minimize unscheduled costs. In FY 2028, staff anticipates a 5 year lease term at an interest rate of 7%. Principal value @ \$371,175; interest @ \$69,808 with a total of 5 annual payments @ \$88,197 for a total cost of \$440,983. The former equipment can be sold as surplus to recoup costs. Procurement will be made via an existing cooperative procurement contract.
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Performed by (mark applicable w/ <b>BOLD "X"</b> )		In-house	<b>X</b>	Contract
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<b>Estimated Annual Impact on Operating Cost:</b>	\$5,500
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Fund Source	FYE 2026	FYE 2027	FYE 2028	FYE 2029	FYE 2030	Not Yet Programmed	Total
Op Revenues	\$0	\$0	\$88,197	\$88,197	\$88,197	\$176,394	\$440,984
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$88,197</b>	<b>\$88,197</b>	<b>\$88,197</b>	<b>\$176,394</b>	<b>\$440,984</b>

**CAPITAL IMPROVEMENT PLAN REQUEST**  
**FISCAL YEARS ENDING (FYE 2026 - 2030)**



<b>Requesting Organization:</b>	Blue Ridge Resource Authority
<b>Project Title:</b>	Lease-Purchase of Volvo A30G Artic Truck (or equivalent)
<b>Budget Line #:</b>	4-19-19040-8002

<b>Status:</b> (mark with <b>BOLD "X"</b> )		New Project		No change from prior year's plan	<b>X</b>	Changes Added
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<b>Description:</b> (Enter narrative to the right)	The BRRA is currently operating a Volvo A30G Artic Truck. This machine was purchased in FY 2016. Staff is requesting to replace the equipment in FY 2029. This procurement plan assumes a 14-year life cycle for the current machine.
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<b>Justification:</b> (Enter narrative to the right)	It has been made clear through past operations and analysis of other landfill programs that scheduled replacement of key equipment will greatly reduce maintenance and repair costs, and will require lower rental expenses and/or downtime due to equipment failures. The benefit is to ensure regulatory compliance, maximize services, and minimize unscheduled costs. The Articulated Truck will be replaced in FY 2028. Staff anticipates a 5-year lease term at an interest rate of 7%. Principal value @ \$577,479; interest @ \$108,608 with a total of 5 annual payments @ \$137,217 for a total cost of \$686,087. The former equipment can be sold as surplus to recoup costs. Procurement will be made via an existing cooperative procurement contract.
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Performed by (mark applicable w/ <b>BOLD "X"</b> )		In-house	<b>X</b>	Contract
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<b>Estimated Annual Impact on Operating Cost:</b>	\$4,000
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Fund Source	FYE 2026	FYE 2027	FYE 2028	FYE 2029	FYE 2030	Not Yet Programmed	Total
Op Revenues	\$0	\$0	\$0	\$137,217	\$137,217	\$411,651	\$686,086
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$137,217</b>	<b>\$137,217</b>	<b>\$411,651</b>	<b>\$686,086</b>

**CAPITAL IMPROVEMENT PLAN REQUEST**  
**FISCAL YEARS ENDING (FYE 2026 - 2030)**



<b>Requesting Organization:</b>	Blue Ridge Resource Authority
<b>Project Title:</b>	Lease-Purchase of John Deere Track Loader (or equivalent)
<b>Budget Line #:</b>	4-19-19040-8002

<b>Status:</b> (mark with <b>BOLD "X"</b> )		New Project		No change from prior year's plan	<b>X</b>	Changes Added
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<b>Description:</b> (Enter narrative to the right)	The BRRA is currently operating a 2023 John Deere 755K Track Loader. Staff is requesting to replace the equipment in FY 2029. This procurement plan assumes a 5 year life cycle for the current machine.
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<b>Justification:</b> (Enter narrative to the right)	It has been made clear through past operations and analysis of other landfill programs that scheduled replacement of key equipment will greatly reduce maintenance and repair costs, and will require lower rental expenses and/or downtime due to equipment failures. The benefit is to ensure regulatory compliance, maximize services, and minimize unscheduled costs. This piece of equipment is scheduled to be replaced in FY 2029. Staff anticipates a 5-year lease term at an interest rate of 7%. Principal value @ \$513,796; interest @ \$96,631 with a total of 5 annual payments @ \$122,085 for a total cost of \$610,426. The former equipment can be sold as surplus to recoup costs. Procurement will be made via an existing cooperative procurement contract.
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Performed by (mark applicable w/ <b>BOLD "X"</b> )		In-house	<b>X</b>	Contract
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<b>Estimated Annual Impact on Operating Cost:</b>	\$13,000
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Fund Source	FYE 2026	FYE 2027	FYE 2028	FYE 2029	FYE 2030	Not Yet Programmed	Total
Op Revenues	\$0	\$0	\$0	\$122,085	\$122,085	\$366,256	\$610,426
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$122,085</b>	<b>\$122,085</b>	<b>\$366,256</b>	<b>\$610,426</b>



## BRRR Debt Service FY26-30



### FY 2026

Account	Purpose	Company	Due Date	Principal	Interest	Total
4-19-19040-XXXX	Transfer Station	VRA	10/1/25	\$ 35,000	\$ 8,363	\$ 43,363
4-19-19040-9902	Transfer Station	VRA	4/1/26	\$ -	\$ 7,466	\$ 7,466
4-19-19040-XXXX	Cell-1 & Infrastructure	VRA	10/1/25	\$ 100,000	\$ 44,981	\$ 144,981
4-19-19040-XXXX	Cell-1 & Infrastructure	VRA	4/1/26	\$ -	\$ 42,569	\$ 42,569
4-19-19040-XXXX	Cell-2	VRA	10/1/25	\$ 400,000	\$ 70,084	\$ 470,084
4-19-19040-XXXX	Cell-2	VRA	4/1/26		\$ 59,834	\$ 59,834
4-19-19040-XXXX	Landfill Compactor	VRA	12/1/25	\$ 35,510	\$ 7,324	\$ 42,834
4-19-19040-XXXX	Landfill Compactor	VRA	6/1/26	\$ 36,069	\$ 6,765	\$ 42,834
4-19-19040-9900	Closure & Post Closure			\$ 365,730		\$ 365,730
<b>Total FY 2025</b>				<b>\$ 972,309</b>	<b>\$ 247,386</b>	<b>\$ 1,219,695</b>

### FY 2027

Account	Purpose	Company	Due Date	Principal	Interest	Total
4-19-19040-8002	CAT D5 Dozer		Monthly	\$ 66,538	\$ 25,069	\$ 91,607
4-19-19040-9902	Transfer Station	VRA	10/1/26	\$ 35,000	\$ 7,466	\$ 42,466
4-19-19040-9902	Transfer Station	VRA	4/1/27	\$ -	\$ 6,669	\$ 6,669
4-19-19040-XXXX	Cell-1 & Infrastructure	VRA	10/1/26	\$ 105,000	\$ 42,569	\$ 147,569
4-19-19040-XXXX	Cell-1 & Infrastructure	VRA	4/1/27	\$ -	\$ 40,028	\$ 40,028
4-19-19080-XXXX	Cell-2	VRA	10/1/26	\$ 420,000	\$ 59,834	\$ 479,834
4-19-19080-XXXX	Cell-2	VRA	4/1/27		\$ 49,072	\$ 59,834
4-19-19040-XXXX	Landfill Compactor	VRA	12/1/25	\$ 36,637	\$ 6,197	\$ 42,834
4-19-19040-XXXX	Landfill Compactor	VRA	6/1/26	\$ 37,214	\$ 5,620	\$ 42,834
4-19-19040-9900	Closure & Post Closure			\$ 371,216	\$ -	\$ 371,216
<b>Total FY 2027</b>				<b>\$ 1,071,606</b>	<b>\$ 242,523</b>	<b>\$ 1,324,891</b>

## BRRR Debt Service FY26-30



### FY 2028

Account	Purpose	Company	Due Date	Principal	Interest	Total
4-19-19040-8002	CAT D5 Dozer		Monthly	\$ 77,611	\$ 22,324	\$ 99,935
4-19-19040-8002	Volvo Excavator		Monthly	\$ 58,723	\$ 22,124	\$ 80,847
4-19-19040-9902	Transfer Station	VRA	10/1/27	\$ 40,000	\$ 6,669	\$ 46,669
4-19-19040-9902	Transfer Station	VRA	4/1/28	\$ -	\$ 5,794	\$ 5,794
4-19-19040-XXXX	Cell-1 & Infrastructure	VRA	10/1/27	\$ 110,000	\$ 40,028	\$ 150,028
4-19-19040-XXXX	Cell-1 & Infrastructure	VRA	4/1/28	\$ -	\$ 37,509	\$ 37,509
4-19-19080-XXXX	Cell-2	VRA	10/1/27	\$ 445,000	\$ 49,072	\$ 494,072
4-19-19080-XXXX	Cell-2	VRA	4/1/28		\$ 37,669	\$ 37,669
4-19-19040-XXXX	Landfill Compactor	VRA	12/1/27	\$ 37,801	\$ 5,034	\$ 42,834
4-19-19040-XXXX	Landfill Compactor	VRA	6/1/28	\$ 38,396	\$ 4,438	\$ 42,834
4-19-19040-9900	Closure & Post Closure			\$ 376,784	\$ -	\$ 376,784
<b>Total FY 2028</b>				<b>\$ 1,184,314</b>	<b>\$ 230,661</b>	<b>\$ 1,414,975</b>

### FY 2029

Account	Purpose	Company	Due Date	Principal	Interest	Total
4-19-19040-8002	CAT D5 Dozer		Monthly	\$ 83,221	\$ 16,713	\$ 99,935
4-19-19040-8002	John Deere Track Loader		Monthly	\$ 81,286	\$ 30,625	\$ 111,912
4-19-19040-8002	Volvo Excavator		Monthly	\$ 73,446	\$ 14,750	\$ 88,197
4-19-19040-8002	Volvo Artic Truck		Monthly	\$ 91,361	\$ 34,421	\$ 125,783
4-19-19040-9902	Transfer Station	VRA	10/1/28	\$ 40,000	\$ 5,794	\$ 45,794
4-19-19040-9902	Transfer Station	VRA	4/1/29	\$ -	\$ 4,869	\$ 4,869
4-19-19040-XXXX	Cell-1 & Infrastructure	VRA	10/1/28	\$ 115,000	\$ 37,509	\$ 152,509
4-19-19040-XXXX	Cell-1 & Infrastructure	VRA	4/1/29	\$ -	\$ 35,088	\$ 35,088
4-19-19080-XXXX	Cell-2	VRA	10/1/28	\$ 465,000	\$ 37,669	\$ 502,669
4-19-19080-XXXX	Cell-2	VRA	4/1/29	\$ -	\$ 37,669	\$ 37,669
4-19-19040-XXXX	Landfill Compactor	VRA	12/1/28	\$ 39,001	\$ 3,834	\$ 42,834
4-19-19040-XXXX	Landfill Compactor	VRA	6/1/29	\$ 39,615	\$ 3,220	\$ 42,834
4-19-19040-9900	Closure & Post Closure			\$ 382,436	\$ -	\$ 382,436
<b>Total FY 2029</b>				<b>\$ 1,410,366</b>	<b>\$ 262,160</b>	<b>\$ 1,672,527</b>

## BRRR Debt Service FY26-30



### FY 2030

Account	Purpose	Company	Due Date	Principal	Interest	Total
4-19-19040-8002	CAT D5 Dozer		Monthly	\$ 89,237	\$ 10,697	\$ 99,935
4-19-19040-8002	John Deere Track Loader		Monthly	\$ 94,813	\$ 27,272	\$ 122,085
4-19-19040-8002	Volvo Excavator		Monthly	\$ 73,446	\$ 14,750	\$ 88,197
4-19-19040-8002	Volvo Artic Truck		Monthly	\$ 91,361	\$ 34,421	\$ 125,783
4-19-19040-9902	Transfer Station	VRA	10/1/28	\$ 40,000	\$ 5,794	\$ 45,794
4-19-19040-9902	Transfer Station	VRA	4/1/29	\$ -	\$ 4,869	\$ 4,869
4-19-19040-XXXX	Cell-1 & Infrastructure	VRA	10/1/28	\$ 115,000	\$ 37,509	\$ 152,509
4-19-19040-XXXX	Cell-1 & Infrastructure	VRA	4/1/29	\$ -	\$ 35,088	\$ 35,088
4-19-19080-XXXX	Cell-2	VRA	10/1/28	\$ 465,000	\$ 37,669	\$ 502,669
4-19-19080-XXXX	Cell-2	VRA	4/1/29		\$ 37,669	\$ 37,669
4-19-19040-XXXX	Landfill Compactor	VRA	12/1/29	\$ 40,239	\$ 2,596	\$ 42,834
4-19-19040-XXXX	Landfill Compactor	VRA	6/1/30	\$ 40,873	\$ 1,962	\$ 42,834
4-19-19040-9900	Closure & Post Closure			\$ 388,172	\$ -	\$ 388,172
<b>Total FY 2029</b>				<b>\$ 1,438,141</b>	<b>\$ 250,295</b>	<b>\$ 1,688,437</b>