

**LIST OF ATTACHMENTS**  
**RATTLESNAKE RIDGE WATER DISTRICT**

- 1. Customer Notice of proposed rate adjustments**
- 2. Reasons for application**
- 3. Current and proposed rates**
- 4. Statement of Adjusted Operations and Revenue Requirement with the following attachments:**
  - i. Refences**
  - ii. Table A – Depreciation Expense Adjustments**
  - iii. Table B – Debt Service Schedule**
- 5. Current Rates Billing Analysis**
- 6. Proposed Rates Billing Analysis**
- 7. Depreciation Schedule – 2022 adjusted (PDF and excel file)**
- 8. Board Resolution**
- 9. Statements of Disclosure of Related Party Transaction**
- 10. RD Promissory notes and amortization schedule**
- 11. Application supporting information.**

# **Attachment #1**

## NOTICE

Notice is hereby given that Rattlesnake Ridge Water District expects to file an application with the Public Service Commission on or about November 15, 2023, seeking approval of a proposed adjustment to its rates for water service. The proposed rates shall not become effective until the Public Service Commission has issued an order approving these rates or six (6) months from the date of the filing of the application, whichever occurs first.

<b>CURRENT AND PROPOSED RATES</b>						
<b>RATTLESNAKE RIDGE WATER DISTRICT</b>						
<u>5/8 Inch Meter</u>						
	<u>Current</u>		<u>Proposed</u>	<u>Difference</u>	<u>Increase</u>	
First	1,000 gallons	\$20.48 per month	\$24.34 per month	\$3.86	18.85%	
Next	4,000 gallons	\$0.01526 per gallon	\$0.01813 per gallon	\$0.00287	18.81%	
Next	5,000 gallons	\$0.01314 per gallon	\$0.01562 per gallon	\$0.00248	18.87%	
Next	10,000 gallons	\$0.01177 per gallon	\$0.01399 per gallon	\$0.00222	18.86%	
Next	20,000 gallons	\$0.00837 per gallon	\$0.00995 per gallon	\$0.00158	18.88%	
Over	40,000 gallons	\$0.00668 per gallon	\$0.00794 per gallon	\$0.00126	18.86%	
<u>3/4 Inch Meter</u>						
	<u>Current</u>		<u>Proposed</u>	<u>Difference</u>	<u>Increase</u>	
First	5,000 gallons	\$81.54 per month	\$96.90 per month	\$15.36	18.84%	
Next	5,000 gallons	\$0.01314 per gallon	\$0.01562 per gallon	\$0.00248	18.87%	
Next	10,000 gallons	\$0.01177 per gallon	\$0.01399 per gallon	\$0.00222	18.86%	
Next	20,000 gallons	\$0.00837 per gallon	\$0.00995 per gallon	\$0.00158	18.88%	
Over	40,000 gallons	\$0.00668 per gallon	\$0.00794 per gallon	\$0.00126	18.86%	
<u>1 Inch Meter</u>						
	<u>Current</u>		<u>Proposed</u>	<u>Difference</u>	<u>Increase</u>	
First	10,000 gallons	\$147.26 per month	\$175.00 per month	\$27.74	18.84%	
Next	10,000 gallons	\$0.01177 per gallon	\$0.01399 per gallon	\$0.00222	18.86%	
Next	20,000 gallons	\$0.00837 per gallon	\$0.00995 per gallon	\$0.00158	18.88%	
Over	40,000 gallons	\$0.00668 per gallon	\$0.00794 per gallon	\$0.00126	18.86%	
<u>1 1/2 Inch Meter</u>						
	<u>Current</u>		<u>Proposed</u>	<u>Difference</u>	<u>Increase</u>	
First	30,000 gallons	\$348.66 per month	\$414.35 per month	\$65.69	18.84%	
Next	10,000 gallons	\$0.00837 per gallon	\$0.00995 per gallon	\$0.00158	18.88%	
Over	40,000 gallons	\$0.00668 per gallon	\$0.00794 per gallon	\$0.00126	18.86%	
<u>2 Inch Meter</u>						
	<u>Current</u>		<u>Proposed</u>	<u>Difference</u>	<u>Increase</u>	
First	50,000 gallons	\$499.18 per month	\$593.23 per month	\$94.05	18.84%	
Over	50,000 gallons	\$0.00668 per gallon	\$0.00794 per gallon	\$0.00126	18.86%	
<u>3 Inch Meter</u>						
	<u>Current</u>		<u>Proposed</u>	<u>Difference</u>	<u>Increase</u>	
First	100,000 gallons	\$833.08 per month	\$990.03 per month	\$156.95	18.84%	
Over	100,000 gallons	\$0.00668 per gallon	\$0.00794 per gallon	\$0.00126	18.86%	
<u>4 Inch Meter</u>						
	<u>Current</u>		<u>Proposed</u>	<u>Difference</u>	<u>Increase</u>	
First	200,000 gallons	\$1,500.88 per month	\$1,783.65 per month	\$282.77	18.84%	
Over	200,000 gallons	\$0.00668 per gallon	\$0.00794 per gallon	\$0.00126	18.86%	
<u>6 Inch Meter</u>						
	<u>Current</u>		<u>Proposed</u>	<u>Difference</u>	<u>Increase</u>	
First	500,000 gallons	\$3,504.28 per month	\$4,164.49 per month	\$660.21	18.84%	
Over	500,000 gallons	\$0.00668 per gallon	\$0.00794 per gallon	\$0.00126	18.86%	
<u>Wholesale Rate</u>						
	<u>Current</u>		<u>Proposed</u>	<u>Difference</u>	<u>Increase</u>	
Big Sandy Water District		\$0.00456 per gallon	\$0.00542 per gallon	\$0.00086	18.86%	
City of Grayson		\$0.00456 per gallon	\$0.00542 per gallon	\$0.00086	18.86%	
City of Vanceburg		\$0.00405 per gallon	\$0.00481 per gallon	\$0.00076	18.77%	
<u>Wholesale Rate</u>						
<u>(in Emergency Situations)</u>						
	<u>Current</u>		<u>Proposed</u>	<u>Difference</u>	<u>Increase</u>	
City of Olive Hill		\$0.00456 per gallon	\$0.00542 per gallon	\$0.00086	18.86%	
Kentucky Department of Parks		\$0.00491 per gallon	\$0.00584 per gallon	\$0.00093	18.94%	
<u>Sandy Hook Water District</u>						
	<u>Current</u>		<u>Proposed</u>	<u>Difference</u>	<u>Increase</u>	
First	50,000 gallons	\$153.83 per month				
Over	50,000 gallons	\$0.00307 per gallon	\$0.00365 per gallon	\$0.00058	18.89%	
Water Loss Reduction Surcharge		\$0.00 Per customer	\$5.84 Per customer	\$5.84	100%	

If the Public Service Commission approves the proposed water rates, then the monthly water bill for a customer using an average of 4,000 gallons per month will increase \$9.60 from \$51.00 to \$60.60 or 18.82%. If the Public Service Commission approves the proposed water rates and Water Loss Reduction Surcharge, then the monthly water bill for a customer using an average of 4,000 gallons per month will increase \$15.44 from \$51.00 to \$66.44 or 30.27%

The Application may be examined at the utility's office located at 5302 S. Highway 7, Grayson, Ky 41143; telephone (606) 474-7570. The rates contained in this notice are the rates proposed by the utility. However, the PSC may order rates to be charged that differ from the proposed rates contained in this notice. A person may examine this application at the Public Service Commission offices located at 211 Sower Boulevard, Frankfort, Kentucky, 40601, Monday through Friday, 8:00 am to 4:30 pm or through the PSC website at <http://psc.ky.gov>. Comments regarding the application may be submitted to the PSC through its website or by mail to the Public Service Commission, Post Office Box 615, Frankfort, KY 40602. You may contact the Public Service Commission at (502) 564-3940. A person may submit a timely written request for intervention to the Public Service Commission, Post Office Box 615, Frankfort, KY 40602, establishing the grounds for the request including the status and interest of the party. If the Public Service Commission does not receive a written request for intervention within thirty (30) days of the initial publication of this notice, the Public Service Commission may take final action on the application.

# **Attachment #2**

## **Reasons for Application**

Rattlesnake Ridge Water District (District) is requesting a 18.84 percent rate increase for all of its water customers. The rate increase will generate approximately \$535,183 in additional revenue.

The District needs the rate increase for the following reasons.

1. To restore the District to a sound financial condition;
2. To enable the District to enhance its financial capacity to operate its system in compliance with the federal Safe Drinking Water Act, as amended in 1996, and KRS Chapter 151.

# **Attachment #3**

## CURRENT AND PROPOSED RATES

### RATTLESNAKE RIDGE WATER DISTRICT

		<u>Current</u>	<u>Proposed</u>	<u>Difference</u>	<u>Increase</u>
<u>5/8 Inch Meter</u>					
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<u>Sandy Hook Water District</u>					
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First	50,000 gallons	\$153.83 per month			
Over	50,000 gallons	\$0.00307 per gallon	\$0.00365 per gallon	\$0.00058	18.89%
Water Loss Reduction Surcharge		\$0.00 Per customer	\$5.84 Per customer	\$5.84	100%

## **Attachment #4**



**SCHEDULE OF ADJUSTED OPERATIONS**

**RATTLESNAKE RIDGE WATER DISTRICT**

**2022**

	<u>Test Year</u>	<u>Adjustments</u>	<u>Ref.</u>	<u>Proforma</u>
<u>Operating Revenues</u>				
Total Metered Retail Sales	3,077,405	(47,858)	A	
		(188,328)	B	2,841,219
Other Water Revenues:				
Forfeited Discounts				-
Miscellaneous Service Revenues		47,858	A	47,858
<b>Total Operating Revenues</b>	<u>3,077,405</u>	<u>(188,328)</u>		<u>2,889,077</u>
<u>Operating Expenses</u>				
Operation and Maintenance				
Salaries and Wages - Employees	667,593	(11,520)	C	
		48,052	D	
				704,125
Salaries and Wages - Officers	32,500	(2,500)	E	30,000
Employee Pensions and Benefits	238,631	(18,273)	F	
		(65,702)	G	
				154,656
Purchased Water		-		-
Purchased Power		344,115	H	
		(169,480)	I	174,635
Fuel for Power Production				-
Chemicals		255,589	J	
		(125,880)	I	129,709
Materials and Supplies		76,482	K	
		(26,880)	C	49,602
Contractual Services	23,624	-		23,624
Contractual Services - Water Testing		13,972	L	13,972
Rental of Building/Real Property		-		-
Transportation Expenses	53,442	-		53,442
Advertising Expense	1,092	-		1,092
Insurance - Gen. Liab. & Workers Comp.	234,054	-		234,054
Insurance - Other		-		-
Bad Debt		-		-
Miscellaneous Expenses	853,327	(76,482)	K	
		(344,115)	H	
		(255,589)	J	
		(13,972)	L	507,284
Total Operation and Maintenance Expenses	<u>2,104,263</u>	<u>(372,184)</u>		<u>2,076,194</u>
Amortization Expense		2,750	M	2,750
Depreciation Expense	840,000	(221,067)	N	618,933
Taxes Other Than Income	<u>53,557</u>	<u>3,485</u>	O	<u>57,042</u>
<b>Total Operating Expenses</b>	<u>2,997,820</u>	<u>(587,016)</u>		<u>2,754,919</u>
<b>Total Utility Operating Income</b>	79,585	398,688		134,158

**REVENUE REQUIREMENTS USING DEBT SERVICE COVERAGE METHOD**

<b>Pro Forma Operating Expenses</b>		\$ 2,754,919
Plus: Average Annual Principal and Interest Payments	P	561,662
Additional Working Capital	Q	<u>112,332</u>
<b>Total Revenue Requirement</b>		3,428,914
Less: Other Operating Revenue		47,858
Interest and Dividend Income		2,673
Non-Utility Income		<u>1,980</u>
<b>Revenue Required From Sales of Water</b>		<u>3,376,402</u>
Less: Revenue from Sales with Present Rates		(2,841,219)
Sales for Resale		<u>-</u>
<b>Required Revenue Increase</b>		535,183
<b>Percent Increase</b>		18.84%

## REFERENCES

- |    |   |
|----|---|
| A. | Miscellaneous service revenues and adjustments were included in metered sales   |
| B. | Adjustment to metered sales revenues due to rate increase approved in Case No 2022-00426.   |
| C. | The utility collected \$38,400 in tapping fees in 2022. These taps were installed by the utility and were recorded as labor and material expenses. Labor expense has been reduced by \$11,520 or 30% of the tapping fees while materials and supplies expense has been reduced by \$26,880 or 70% of the tapping fees.  |
| D. | Since 2022, there have been increases to individual wage rates and an addition of a full time employee, resulting in an increase to wages of \$48,052.  |
| E. | Increase to Commissioner Salaries due to vacancy for part of 2022   |
| F. | Decrease in pension benefits to reflect decrease in contribution rate effective July 1, 2023.   |
| G. | Decrease Health insurance by \$65,702 to allowable employer share   |
| H. | Increase to reclassify purchased power expense from Miscellaneous Expense   |
| I. | The utility's test year water loss was 64.25 percent. The PSC's maximum allowable loss for rate-making purposes is 15.0 percent. Therefore, the expenses for purchased power and chemicals above the 15 percent limit is not allowed in the rate base and must be deducted. Purchased power expense was decreased by \$169,480 and chemical expense was reduced by \$125,880.                 |
| J. | Reclassify chemical expense from Miscellaneous Expense  |
| K. | Reclassify materials & supplies expense from Miscellaneous Expense  |
| L. | Reclassify contractual Services- water testing from Miscellaneous Expense   |
| M. | Recovery of Rate Case Expense in the amount of \$8,250 amortized over a three year period.  |
| N. | Decrease due to PSC requirement adjustments to a water utility's depreciation expense when asset lives fall outside the ranges recommended by NARUC in its publication titled "Depreciation Practices for small utilities". Therefore, adjustments are included to bring asset lives to the midpoint of the recommended ranges, depreciation expense was decreased by \$221,067. See Table A. |
| O. | Increase in payroll taxes due to increase in wages.   |
| P. | Revenue Requirements were computed using the Debt Service Coverage method. Annual debt service payments for the district's debt are shown in Table B. The five-year average of these payments \$561,662 is added in the revenue requirement calculation.  |
| Q. | The amount of \$112,332 is included in the revenue requirement as Additional Working Capital. The amount shown in Table B for coverage on long term debt is required by the district's loan documents.  |

**Table A**  
**DEPRECIATION EXPENSE ADJUSTMENTS**  
**RATTLESNAKE RIDGE WATER DISTRICT**  
**1/1/2022 - 12/31/22**

<u>Asset</u>	<u>Date in Service</u>	<u>Original Cost *</u>	<u>Reported Life</u>	<u>Depr. Exp.</u>	<u>Proforma Life</u>	<u>Depr. Exp.</u>	<u>Depreciation Expense Adjustment</u>
<b><u>General Plant</u></b>							
Structures & Improvements	various	\$ 83,846	varies	\$ 2,662	37.5	\$ 2,236	\$ (426)
Communication & Computer Eqmt.	various	11,228	varies	1,604	10.0	1,123	(481)
Office Furniture & Equipment	various		varies		22.5	-	-
Power Operated Equipment	various	60,357	varies	10,591	12.5	4,829	(5,762)
Tools, Shop, & Garage Equipment	various	6,649	varies	332	17.5	380	47
Tank Repairs & Painting	various	29,010	varies	1,259	15.0	1,934	675
<b><u>Pumping Plant</u></b>							
Structures & Improvements	various		varies		37.5	-	-
Telemetry	various	1,784	varies	89	10.0	178	89
Pumping Equipment	various	43,288	varies	4,299	20.0	2,164	(2,134)
<b><u>Transmission &amp; Distribution Plant</u></b>							
Hydrants	various		varies		50.0	-	-
Transmission & Distribution Mains	various	25,556,625	varies	638,916	62.5	408,906	(230,010)
Meter Installations	various		varies		45.0	-	-
Meter Change-outs	various	23,762	varies	1,188	15.0	1,584	396
Pump Equipment	various		varies		20.0	-	-
Tank Fence	various		varies		37.5	-	-
Services	various		varies		40.0	-	-
Reservoirs & Tanks	various	1,874,892	varies	44,920	45.0	41,664	(3,256)
Tank Painting & Repairs	various		varies		15.0	-	-
<b><u>Transportation Equipment</u></b>							
Entire Group	various	104,664	varies	20,933	7.0	14,952	(5,981)
<b><u>Water Treatment Plant</u></b>							
Structures & Improvements	various	2,157,452	varies	53,936			
Water Treatment Equipment	various	8,686,408	varies	190,162	62.5	138,983	(51,179)
<b>TOTALS for 2022 Depreciation Expense</b>		<b>\$ 38,639,965</b>		<b>\$ 970,891</b>		<b>\$ 618,933</b>	<b>\$ (298,021)</b>
Depreciation Expense 2022 PSC Annual Report**				<b>\$ 840,000</b>		<b>\$ 618,933</b>	<b>\$ (221,067)</b>

\* Includes only costs associated with assets that contributed to depreciation expense in the test year.

\*\* The 2022 PSC Annual Report used an estimate for depreciation expense.

**Table B**  
**DEBT SERVICE SCHEDULE**

CY 2024 - 2028

	CY 2024		CY 2025		CY 2026		CY 2027		CY 2028		TOTALS
	Interest		Interest		Interest		Interest		Interest		
	Principal	& Fees	Principal	& Fees	Principal	& Fees	Principal	& Fees	Principal	& Fees	
91-22	23,500	17,802	24,000	17,030	25,000	16,234	25,500	15,413	26,500	14,568	\$ 205,547
91-26	1,500	1,775	1,600	1,706	1,600	1,634	1,800	1,557	1,800	1,476	16,448
91-36	27,000	21,740	28,000	21,190	28,500	20,625	29,500	20,045	30,000	19,450	246,050
91-39	24,000	18,390	25,000	17,900	25,500	17,395	26,000	16,880	26,500	16,355	213,920
91-42	3,500	2,700	3,500	2,648	3,500	2,595	3,500	2,543	3,500	2,490	30,476
91-45	39,000	55,207	40,000	54,269	41,000	53,307	42,500	52,315	43,500	51,294	472,392
1996 Refinancing	50,000	3,931	60,000	1,387							115,318
KRWFC series2020	155,000	84,388	160,000	77,694	170,000	70,681	175,000	63,350	185,000	55,700	1,196,813
91-47	36,062	26,208	36,557	25,712	37,060	25,209	37,570	24,699	38,086	24,183	311,345
<b>TOTALS</b>	<b>359,562</b>	<b>232,141</b>	<b>378,657</b>	<b>219,536</b>	<b>332,160</b>	<b>207,680</b>	<b>341,370</b>	<b>196,802</b>	<b>354,886</b>	<b>185,516</b>	<b>\$ 2,808,309</b>
<b>5 yr. Average Annual Principal &amp; Interest</b>											<b>\$ 561,662</b>
<b>5 yr. Average Annual Coverage</b>											<b>\$ 112,332</b>

# **Attachment #5**

**CURRENT BILLING ANALYSIS WITH 2022 USAGE & EXISTING RATES  
RATTLESNAKE RIDGE WATER DISTRICT**

COMPONENT	SUMMARY		REVENUE	
	BILLS	GALLONS		
Total Sales	50,557	258,716,140	\$	2,981,723
Less Adjustments			\$	(140,504)
Total			\$	2,841,219
Proforma Revenues (2022 AR less misc. service fees)			\$	3,029,547
Difference			\$	(188,328)

2022 Adjustment Journal summary

CONSUMPTION BY RATE INCREMENT		5/8 INCH METER								
USAGE	BILLS	GALLONS	First	Next	Next	Next	Next	Over	Total	
First	1,000	49,278	1,000	4,000	5,000	10,000	20,000	40,000	-	
Next	4,000	717	-	-	-	-	-	-	-	
Next	5,000	63	-	-	-	-	-	-	-	
Next	10,000	4	-	-	-	-	-	-	-	
Next	20,000	297	-	-	-	-	-	-	-	
Over	40,000	-	-	-	-	-	-	-	-	
		50,359	-	-	-	-	-	-	-	

  

REVENUE BY RATE INCREMENT		5/8 INCH METER			
USAGE	BILLS	GALLONS	RATE	REVENUE	
First	1,000	50,359	\$20.48 per month	\$ 1,031,352.00	
Next	4,000	70,502,770	\$0.01526 per gallon	\$ 1,075,872.00	
Next	5,000	31,546,310	\$0.01314 per gallon	\$ 414,519.00	
Next	10,000	13,189,270	\$0.01177 per gallon	\$ 155,238.00	
Next	20,000	16,169,290	\$0.00837 per gallon	\$ 135,337.00	
Over	40,000	-	\$0.00668 per gallon	\$ -	
		135,463,320		\$ 2,812,318.00	

CONSUMPTION BY RATE INCREMENT		3/4 INCH METER						
USAGE	BILLS	GALLONS	First	Next	Next	Next	Over	Total
First	5,000	-	5,000	5,000	10,000	20,000	40,000	-
Next	5,000	-	-	-	-	-	-	-
Next	10,000	-	-	-	-	-	-	-
Next	20,000	-	-	-	-	-	-	-
Over	40,000	-	-	-	-	-	-	-

  

REVENUE BY RATE INCREMENT		3/4 INCH METER			
USAGE	BILLS	GALLONS	RATE	REVENUE	
First	5,000	-	\$81.54 per month	\$ -	
Next	5,000	-	\$0.01314 per gallon	\$ -	
Next	10,000	-	\$0.01177 per gallon	\$ -	
Next	20,000	-	\$0.00837 per gallon	\$ -	
Over	40,000	-	\$0.00668 per gallon	\$ -	

CONSUMPTION BY RATE INCREMENT		1 INCH METER				
USAGE	BILLS	GALLONS	First	Next	Next	Over
First	10,000	87	10,000	10,000	20,000	40,000
Next	10,000	12	-	-	-	-
Next	20,000	-	-	-	-	-
Over	40,000	-	-	-	-	-
		99	-	-	-	-

  

REVENUE BY RATE INCREMENT		1 INCH METER			
USAGE	BILLS	GALLONS	RATE	REVENUE	
First	10,000	99	\$147.26 per month	\$ 14,579.00	
Next	10,000	36,130	\$0.01177 per gallon	\$ 425.00	
Next	20,000	-	\$0.00837 per gallon	\$ -	
Over	40,000	-	\$0.00668 per gallon	\$ -	
		110,030		\$ 15,004.00	

CONSUMPTION BY RATE INCREMENT		1 1/2 INCH METER			
USAGE	BILLS	GALLONS	First	Next	Over
First	30,000	1	30,000	10,000	40,000
Next	10,000	-	-	-	-
Over	40,000	-	-	-	-
		1	-	-	-

  

REVENUE BY RATE INCREMENT		1 1/2 INCH METER			
USAGE	BILLS	GALLONS	RATE	REVENUE	
First	30,000	1	\$348.66 per month	\$ 348.66	
Next	10,000	-	\$0.00837 per gallon	\$ -	
Over	40,000	-	\$0.00668 per gallon	\$ -	
		-		\$ 348.66	

CONSUMPTION BY RATE INCREMENT		2 INCH METER			
USAGE	BILLS	GALLONS	First	Over	Total
First	50,000	24	50,000	50,000	-
Over	50,000	-	-	-	-
		24	-	-	-

  

REVENUE BY RATE INCREMENT		2 INCH METER			
USAGE	BILLS	GALLONS	RATE	REVENUE	
First	50,000	24	\$499.18 per month	\$ 11,980.00	
Over	50,000	-	\$0.00668 per gallon	\$ -	
		2,894,800		\$ 11,980	

CONSUMPTION BY RATE INCREMENT		3 INCH METER			
USAGE	BILLS	GALLONS	First	Over	Total
First	100,000	24	100,000	100,000	-
Next	100,000	-	-	-	-
		24	-	-	-

  

REVENUE BY RATE INCREMENT		3 INCH METER			
USAGE	BILLS	GALLONS	RATE	REVENUE	
First	100,000	24	\$9,541.080	\$ 19,994.00	
Over	100,000	-	\$0.00668 per gallon	\$ -	
		9,541,080		\$ 19,994	

CONSUMPTION BY RATE INCREMENT		4 INCH METER			
USAGE	BILLS	GALLONS	First	Over	Total
First	200,000	12	200,000	200,000	-
Next	200,000	-	-	-	-
		12	-	-	-

  

REVENUE BY RATE INCREMENT		4 INCH METER			
USAGE	BILLS	GALLONS	RATE	REVENUE	
First	200,000	12	\$1,500.88 per month	\$ 18,011	
Over	200,000	-	\$0.00668 per gallon	\$ -	
		302,100		\$ 18,011	

CONSUMPTION BY RATE INCREMENT		6 INCH METER			
USAGE	BILLS	GALLONS	First	Over	Total
First	500,000	12	500,000	500,000	-
Over	500,000	-	-	-	-
		12	97,057,460	-	-

  

REVENUE BY RATE INCREMENT		6 INCH METER			
USAGE	BILLS	GALLONS	RATE	REVENUE	
First	500,000	12	\$3,504.28 per month	\$ 42,051	
Over	500,000	-	\$0.00668 per gallon	\$ -	
		97,057,460		\$ 42,051	

WHOLESALE RATE				
	BILLS	GALLONS	RATE	REVENUE
Big Sandy Water Distri	12	7,594,650	\$0.00456 per gallon	\$ 34,632
City of Grayson	12	2,462,670	\$0.00456 per gallon	\$ 11,230
City of Vanceburg			\$0.00405 per gallon	\$ -
City of Olive Hill			\$0.00456 per gallon	\$ -
Ky. Dept of Parks(golf)	2	3,290,030	\$0.00491 per gallon	\$ 16,154
Sandy Hook WD				\$ -
First	30,000		\$153.83 Min. Bill	\$ -
Over	50,000		\$0.00307 per gallon	\$ -
TOTALS	26	13,347,350		62,016



# **Attachment #6**



**PROPOSED BILLING ANALYSIS WITH 2022 USAGE & PROPOSED RATES  
RATTLESNAKE RIDGE WATER DISTRICT**

COMPONENT	SUMMARY		REVENUE
	BILLS	GALLONS	
Total Sales	50,557	258,716,140	\$ 3,477,305
Less Adjustments			\$ (140,504) 2022 Adjustment Journal summary
Total			\$ 3,336,801
			\$ 3,313,505.42 Revenue Required From Sales of Water
			\$ 23,295 Difference
			0.70%

CONSUMPTION BY RATE INCREMENT		5/8 INCH METER		First	Next	Next	Next	Next	Over	Total	Total
USAGE	BILLS	GALLONS		1,000	4,000	5,000	10,000	20,000	40,000		
First 1,000	49,278										-
Next 4,000	717										-
Next 5,000	63										-
Next 10,000	4										-
Next 20,000	297										-
Over 40,000											-
	50,359										-

  

REVENUE BY RATE INCREMENT		5/8 INCH METER		First	Next	Next	Next	Over	Total
USAGE	BILLS	GALLONS	RATE						
First 1,000	50,359	4,055,680	\$23.88 per month						\$ 1,202,573.00
Next 4,000		70,502,770	\$0.01780 per gallon						\$ 1,254,949.00
Next 5,000		31,546,310	\$0.01532 per gallon						\$ 483,289.00
Next 10,000		13,189,270	\$0.01373 per gallon						\$ 181,089.00
Next 20,000		16,169,290	\$0.00976 per gallon						\$ 157,812.00
Over 40,000			\$0.00779 per gallon						\$ -
		135,463,320							\$ 3,279,712.00

CONSUMPTION BY RATE INCREMENT		3/4 INCH METER		First	Next	Next	Next	Over	Total
USAGE	BILLS	GALLONS		5,000	5,000	10,000	20,000	40,000	
First 5,000									-
Next 5,000									-
Next 10,000									-
Next 20,000									-
Over 40,000									-

  

REVENUE BY RATE INCREMENT		3/4 INCH METER		First	Next	Next	Next	Over	Total
USAGE	BILLS	GALLONS	RATE						
First 5,000			\$95.09 per month						\$ -
Next 5,000			\$0.01532 per gallon						\$ -
Next 10,000			\$0.01373 per gallon						\$ -
Next 20,000			\$0.00976 per gallon						\$ -
Over 40,000			\$0.00779 per gallon						\$ -

CONSUMPTION BY RATE INCREMENT		1 INCH METER		First	Next	Next	Over	Total
USAGE	BILLS	GALLONS		10,000	10,000	20,000	40,000	
First 10,000	87							
Next 10,000	12							
Next 20,000								
Over 40,000								
	99							

  

REVENUE BY RATE INCREMENT		1 INCH METER		First	Next	Next	Over	Total
USAGE	BILLS	GALLONS	RATE					
First 10,000	99	73,900	\$171.73 per month					\$ 17,001.00
Next 10,000		36,130	\$0.01373 per gallon					\$ 496.00
Next 20,000			\$0.00976 per gallon					\$ -
Over 40,000			\$0.00779 per gallon					\$ -
		110,030						\$ 17,497.00

CONSUMPTION BY RATE INCREMENT		1 1/2 INCH METER		First	Next	Over	Total
USAGE	BILLS	GALLONS		30,000	10,000	40,000	
First 30,000	1						
Next 10,000							
Over 40,000							
	1						

  

REVENUE BY RATE INCREMENT		1 1/2 INCH METER		First	Next	Over	Total
USAGE	BILLS	GALLONS	RATE				
First 30,000	1		\$406.61 per month				\$ 406.61
Next 10,000			\$0.00976 per gallon				\$ -
Over 40,000			\$0.00779 per gallon				\$ -
							\$ 406.61

CONSUMPTION BY RATE INCREMENT		2 INCH METER		First	Over	Total
USAGE	BILLS	GALLONS		50,000	50,000	
First 50,000	24					
Over 50,000						
	24					

  

REVENUE BY RATE INCREMENT		2 INCH METER		First	Over	Total
USAGE	BILLS	GALLONS	RATE			
First 50,000	24	2,894,800	\$582.14 per month			\$ 13,971.00
Over 50,000			\$0.00779 per gallon			\$ -
		2,894,800				\$ 13,971

CONSUMPTION BY RATE INCREMENT		3 INCH METER		First	Over	Total
USAGE	BILLS	GALLONS		100,000	100,000	
First 100,000	24					
Next 100,000						
	24					

  

REVENUE BY RATE INCREMENT		3 INCH METER		First	Over	Total
USAGE	BILLS	GALLONS	RATE			
First 100,000	24	9,541,080	\$971.54 per month			\$ 23,317.00
Over 100,000			\$0.00779 per gallon			\$ -
		9,541,080				\$ 23,317

CONSUMPTION BY RATE INCREMENT		4 INCH METER		First	Over	Total
USAGE	BILLS	GALLONS		200,000	200,000	
First 200,000	12					
Next 200,000						
	12					

  

REVENUE BY RATE INCREMENT		4 INCH METER		First	Over	Total
USAGE	BILLS	GALLONS	RATE			
First 200,000	12	302,100	\$1,750.33 per month			\$ 21,004
Over 200,000			\$0.00779 per gallon			\$ -
		302,100				\$ 21,004

CONSUMPTION BY RATE INCREMENT		6 INCH METER		First	Over	Total
USAGE	BILLS	GALLONS		500,000	500,000	
First 500,000	12	97,057,460				
Over 500,000						
	12	97,057,460				

  

REVENUE BY RATE INCREMENT		6 INCH METER		First	Over	Total
USAGE	BILLS	GALLONS	RATE			
First 500,000	12	97,057,460	\$4,086.69 per month			\$ 49,040
Over 500,000			\$0.00779 per gallon			\$ -
		97,057,460				\$ 49,040

WHOLESALE RATE				
	BILLS	GALLONS	RATE	REVENUE
Big Sandy Water Distri	12	7,594,650	\$0.00532 per gallon	\$ 40,404
City of Grayson	12	2,462,670	\$0.00532 per gallon	\$ 13,101
City of Vanceburg			\$0.00472 per gallon	\$ -
City of Olive Hill			\$0.00532 per gallon	\$ -
Ky. Dept of Parks(golf)	2	3,290,030	\$0.00573 per gallon	\$ 18,852
Sandy Hook WD			\$0.00 Min. Bill	\$ -
First 50,000				\$ -
Over 50,000			\$0.00358 per gallon	\$ -
TOTALS	26	13,347,350		\$ 72,357



# **Attachment #7**

(see files Attached titled 7\_Depreciation Schedule12.31.22.pdf and 7\_Dep schedule 2022.xls)

# Attachment #8

(see file Attachment 8\_RRWD Board resolution.pdf)

# **Attachment #9**

**(see files attached titled 9\_ARF Form 3.pdf and 9\_ARF Form 3 Carroll.pdf)**

# Attachment #10

(see attached files titled)

**10\_RRWD Bond Amortization Schedule.xlsx**

**10\_91-47 Amortization.pdf**

**10\_RRWD Bond 91-36.pdf**

**10\_RRWD Bond 91-39.pdf**

**10\_RRWD Bond 91-42.pdf**

**10\_RRWD Bond 91-45.pdf**

**10\_RRWD Bond 97-47.pdf**

**10\_RRWD Bonds 91-22 and 91-26.pdf**

**10\_Transcript-RRWD 2008C KRW Loan.pdf**

**10\_Transcript-RRWD 2021A KRW Loan.pdf**

# Attachment #11

(Application supporting files - see files attached: )

11\_1\_Rattlesnake Ridge WD Rate Study.xlsx

11\_2\_RRWD 2022 YTD GL.pdf

11\_3\_RRWD position titles & duties.pdf

11\_4\_RRWD ARF Assistance Acceptance.pdf