

COMMONWEALTH OF KENTUCKY  
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of

*Electronic* Application of Bluegrass Water )  
Utility Operating Company, LLC for an )  
Adjustment of Rates and Approval of )  
Construction )

Case No. 2020-00290

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**Notice of Filing**

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Please take notice that Bluegrass Water Utility Operating Company, LLC (“Bluegrass Water”) herewith submits the attached, containing spreadsheet files printed out in PDF format. These are filed as part of Bluegrass Water’s Application requesting a general increase in water and sewage rates pursuant to KRS 278.180 and KRS 278.190, and a certificate (or certificates) of construction pursuant to KRS 278.020(1). The underlying spreadsheets contain certain information, are referred to as “Schedules,” and are referenced throughout the Application and should be considered part of the Application filings.

Respectfully submitted,

*/s/ Kathryn A. Eckert* \_\_\_\_\_

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**Notice of Filing – Reference Table**

<b>Schedule</b>	<b>20-290 Notice of Filing with Workbooks</b>
SR1	Sewer Revenues
SE1	Sewer Expenses – Operations
SE2	Sewer Expenses – Fuel and Power, Chemicals
SE3	Sewer Expenses – Maintenance
WR1	Water Revenues
WE1	Water Expenses – Operations
WE2	Water Expenses – Fuel and Power, Chemicals
WE3	Water Expenses – Maintenance
CE1	Property Taxes
CE2	Customer Billing Expense
CE3	Overhead Allocations
CE4	Outside Services Expense
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CE6	Regulatory Expense
CE7	Uncollectible Accounts
OHA1	Overhead Allocations
A	Revenue Requirement <i>Revenue Requirement and Conversion Factor (Sewer)</i> <i>Revenue Requirement and Conversion Factor (Water)</i>
B	Rate Base <i>Rate Base (Sewer).xlsx</i> <i>Rate Base (Water).xlsx</i>
C	Income Statement <i>Income Statement (Sewer).xlsx</i> <i>Income Statement (Water).xlsx</i>
D	Description of Adjustments <i>Income Statement (Sewer).xlsx</i> <i>Income Statement (Water).xlsx</i>
E	Tax Summary <i>Income Statement (Sewer).xlsx</i> <i>Income Statement (Water).xlsx</i>
H	Gross Revenue Conversion Factor <i>Revenue Requirement and Conversion Factor (Sewer)</i> <i>Revenue Requirement and Conversion Factor (Water)</i>
Testimony	Workpaper PT.xlsx
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C-1,C-2, D-1, D-2, D-3, E	Income Statement (Water).xlsx
A, H, M	Revenue Requirement and Conversion Factor (Sewer).xlsx
A, H, M	Revenue Requirement and Conversion Factor (Water).xlsx
N	Schedule N - Rate Comparison.xlsx
J	Cost of Capital.xlsx
B-1, B-2, B-3, B-3.1, B-4, B-5, B-6	Rate Base (Sewer).xlsx
B-1, B-2, B-3, B-3.1, B-4, B-5, B-6	Rate Base (Water).xlsx

Workpaper #:  
Excel Reference:

W/P - SR-1  
Work Papers/[BGUOC 2020 Rate Case - Schedule SR1.xlsx]Exhibit

Bluegrass Water Utility Operating Company, LLC  
Case No. 2020-00290  
Base Year Adjustment Sewer Revenue  
For the 12 Months Ending April 30, 2022

Witness Responsible: Brent Thies  
Type of Filing:  Original  Updated  Revised

Line No.	Description	Base Year at 12/31/2020	Adjustments	Forecast Year at 4/30/2022	Reference
1	Base Year for the 12 Months Ended 12/31/20	\$705,301		\$705,301	
2					
3					
4	<b>Adjustments:</b>				
5	Annualize Partial Base Year Expenses		50,591		Workpaper 1
6	Expenditures for System Acquisitions		399,096		Schedule ACQ-1
7	Efficiency from System Improvements				Add pro forma for 8 system additions
8					
9					
10					
11	<b>Total Adjustments:</b>		<u>\$449,687</u>	<u>\$449,687</u>	
12					
13					
14	<b>Forecast Year at 4/30/2022</b>			<u><u>\$1,154,988</u></u>	
15					

Workpaper #:  
Excel Reference:

W/P - SE1  
Work Papers/[BGUOC 2020 Rate Case - Schedule SE1.xlsx]Exhibit

Bluegrass Water Utility Operating Company, LLC  
Case No. 2020-00290  
Base Year Adjustment Sewer - Contract Operations  
For the 12 Months Ending April 30, 2022

Witness Responsible: Brent Thies

Type of Filing:  Original  Updated  Revised

Line No.	Description	Base Year at 12/31/2020	Adjustments	Forecast Year at 4/30/2022	Reference
1	Base Year for the 12 Months Ended 12/31/20	\$607,592		\$607,592	
2					
3					
4	<b>Adjustments:</b>				
	Contract Operations - Annualize Partial Base				
5	Year Expenses		128,584		Workpaper 1
6	Expenditures for System Acquisitions		293,172		Schedule ACQ-1
7					
8					
9					
10					
11	<b>Total Adjustments:</b>		<u>\$421,756</u>	<u>\$421,756</u>	
12					
13					
14	<b>Forecast Year at 4/30/2022</b>			<u><u>\$1,029,348</u></u>	
15					

Workpaper #:  
Excel Reference:

W/P - SE2  
Work Papers/[BGUOC 2020 Rate Case - Schedule SE2.xlsx]Exhibit

Bluegrass Water Utility Operating Company, LLC  
Case No. 2020-00290  
Base Year Adjustment Sewer - Other Operations  
For the 12 Months Ending April 30, 2022

Witness Responsible: Brent Thies

Type of Filing:  Original  Updated  Revised

Line No.	Description	Base Year at 12/31/2020	Adjustments	Forecast Year at 4/30/2022	Reference
1	Base Year for the 12 Months Ended 12/31/20	\$195,672		\$195,672	
2					
3					
4	<b>Adjustments:</b>				
	Contract Operations - Annualize Partial				
5	Base Year Expenses		23,705		Workpaper 1
6	Expenditures for System Acquisitions		91,000		Schedule ACQ-1
7	Efficiency from System Improvements				
8					
9					
10					
11	<b>Total Adjustments:</b>		<u>\$114,705</u>	<u>\$114,705</u>	
12					
13					
14	<b>Forecast Year at 4/30/2022</b>			<u><u>\$310,377</u></u>	
15					

Workpaper #:  
Excel Reference:

W/P - SE3  
Work Papers/[BGUOC 2020 Rate Case - Schedule SE3.xlsx]Exhibit

Bluegrass Water Utility Operating Company, LLC  
Case No. 2020-00290  
Base Year Adjustment Sewer - Maintenance  
For the 12 Months Ending April 30, 2022

Witness Responsible: Brent Thies

Type of Filing:  Original  Updated  Revised

Line No.	Description	Base Year at 12/31/2020	Adjustments	Forecast Year at 4/30/2022	Reference
1	Base Year for the 12 Months Ended 12/31/20	\$49,099		\$49,099	
2					
3					
4	<b>Adjustments:</b>				
5	Annualize Partial Base Year Expenses		(12,091)		Workpaper 1
6	Expenditures for System Acquisitions		75,000		Schedule ACQ-1
7	Efficiency from System Improvements				
8					
9					
10					
11	<b>Total Adjustments:</b>		<u>\$62,909</u>	<u>\$62,909</u>	
12					
13					
14	<b>Forecast Year at 4/30/2022</b>			<u><u>\$112,008</u></u>	
15					

Workpaper #:  
Excel Reference:

W/P - WR1  
Work Papers/[BGUOC 2020 Rate Case - Schedule WR1.xlsx]Exhibit

Bluegrass Water Utility Operating Company, LLC  
Case No. 2020-00290  
Base Year Adjustment Water Revenue  
For the 12 Months Ending April 30, 2022

Witness Responsible: Brent Thies

Type of Filing:  Original  Updated  Revised

Line No.	Description	Base Year at 12/31/2020	Adjustments	Forecast Year at 4/30/2022	Reference
1	Base Year for the 12 Months Ended 12/31/20	\$49,777		\$49,777	
2					
3					
4	<b>Adjustments:</b>				
5	Annualize Partial Base Year Expenses		40,223		Workpaper 1
6					
7					
8					
9					
10					
11	<b>Total Adjustments:</b>		<u>\$40,223</u>	<u>\$40,223</u>	
12					
13					
14	<b>Forecast Year at 4/30/2022</b>			<u><u>\$90,000</u></u>	
15					

Workpaper #:  
Excel Reference:

W/P - WE1  
Work Papers/[BGUOC 2020 Rate Case - Schedule WE1.xlsx]Exhibit

Bluegrass Water Utility Operating Company, LLC  
Case No. 2020-00290  
Base Year Adjustment Sewer - O&M Labor and Expense  
For the 12 Months Ending April 30, 2022

Witness Responsible: Brent Thies

Type of Filing:  Original  Updated  Revised

Line No.	Description	Base Year at 12/31/2020	Adjustments	Forecast Year at 4/30/2022	Reference
1	Base Year for the 12 Months Ended 12/31/20	\$91,533		\$91,533	
2					
3					
4	<b>Adjustments:</b>				
	Contract Operations - Annualize Partial				
5	Base Year Expenses		52,515		Workpaper 1
6					
7					
8					
9					
10					
11	<b>Total Adjustments:</b>		<u>\$52,515</u>	<u>\$52,515</u>	
12					
13					
14	<b>Forecast Year at 4/30/2022</b>			<u><u>\$144,048</u></u>	
15					



Workpaper #:  
Excel Reference:

W/P - WE2  
Work Papers/[BGUOC 2020 Rate Case - Schedule WE2.xlsx]Exhibit

Bluegrass Water Utility Operating Company, LLC  
Case No. 2020-00290  
0  
For the 12 Months Ending April 30, 2022

Witness Responsible: Brent Thies

Type of Filing:  Original  Updated  Revised

Line No.	Description	Base Year at 12/31/2020	Adjustments	Forecast Year at 4/30/2022	Reference
1	Base Year for the 12 Months Ended 12/31/20	\$14,073		\$14,073	
2					
3					
4	<b>Adjustments:</b>				
5	Annualize Partial Base Year Expenses		15,927		Workpaper 1
6					
7					
8					
9					
10					
11	<b>Total Adjustments:</b>		<u>\$15,927</u>	<u>\$15,927</u>	
12					
13					
14	<b>Forecast Year at 4/30/2022</b>			<u><u>\$30,000</u></u>	
15					

Workpaper #:  
Excel Reference:

W/P - WE3  
Work Papers/[BGUOC 2020 Rate Case - Schedule WE3.xlsx]Exhibit

Bluegrass Water Utility Operating Company, LLC  
Case No. 2020-00290  
Base Year Adjustment Water - Maintenance  
For the 12 Months Ending April 30, 2022

Witness Responsible: Brent Thies

Type of Filing:  Original  Updated  Revised

Line No.	Description	Base Year at 12/31/2020	Adjustments	Forecast Year at 4/30/2022	Reference
1	Base Year for the 12 Months Ended 12/31/20	\$2,496		\$2,496	
2					
3					
4	<b>Adjustments:</b>				
5	Annualize Partial Base Year Expenses		4,992		Workpaper 1
6					
7					
8					
9					
10					
11	<b>Total Adjustments:</b>		<u>\$4,992</u>	<u>\$4,992</u>	
12					
13					
14	<b>Forecast Year at 4/30/2022</b>			<u><u>\$7,488</u></u>	
15					

Workpaper #:  
Excel Reference:

W/P - CE1  
Work Papers/[BGUOC 2020 Rate Case - Schedule CE1.xlsx]Exhibit

Bluegrass Water Utility Operating Company, LLC  
Case No. 2020-00290  
Base Year Adjustment Property Taxes Expense  
For the 12 Months Ending April 30, 2022

Witness Responsible: Brent Thies

Type of Filing:  Original  Updated  Revised

Line No.	Description	Base Year at 12/31/2020	Adjustments	Forecast Year at 4/30/2022	Reference
1	Base Year for the 12 Months Ended 12/31/20	\$6,861		\$6,861	
2					
3					
4	<b>Adjustments:</b>				
5	Annualize Partial Base Year Expenses		(327)		Workpaper 1
6	Expenditures for System Acquisitions		11,180		Schedule ACQ-1
7					
8					
9					
10					
11	<b>Total Adjustments:</b>		<u>\$10,853</u>	<u>\$10,853</u>	
12					
13					
14	<b>Forecast Year at 4/30/2022</b>			<u><u>\$17,714</u></u>	
15					

Workpaper #:

W/P - CE1

Excel Reference:

Work Papers/[BGUOC 2020 Rate Case - Schedule CE1.xlsx]Summary by Account

**Bluegrass Water Utility Operating Company, LLC**  
**Case No. 2020-00290**  
**Base Year Adjustment Property Taxes Expense**  
**For the 12 Months Ending April 30, 2022**

Witness Responsible: Brent Thies

Type of Filing:  Original  Updated  Revised

<b>Account No.</b>	<b>Account Name</b>	<b>Base Year at 12/31/2020</b>	<b>Adjustments</b>	<b>Forecast Year at 4/30/2022</b>
408.160	Taxes Sewer Property (KY, Bluegra)	6,814.99	10,807	17,621.76
408.161	Taxes Water Property (KY, Bluegra)	46.19	46	92.38
		<u>\$6,861</u>	<u>\$10,853</u>	<u>\$17,714</u>

\$17,714

Workpaper #:  
Excel Reference:

W/P - CE1  
Work Papers/[BGUOC 2020 Rate Case - Schedule CE1.xlsx]Base & Forecast Detail

Bluegrass Water Utility Operating Company, LLC  
Case No. 2020-00290  
Base Year for the 12 Months Ended December 31, 2020  
Forecast Year for the 12 Months Ended April 30,2022  
Property Taxes Expense

Witness Responsible: Brent Thies  
Type of Filing:  Original  Updated  Revised

		Base Year for the 12 Months Ended December 31, 2020												
Account	Account Description	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Base Year Total
408.160	Taxes Sewer Property (KY, Bluegra)	\$0	\$373	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,442	\$6,815
408.161	Taxes Water Property (KY, Bluegra)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$46	\$46

		Forecast Year for the 12 Months Ended April 30,2022												
Account	Account Description	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	Forecast Total
408.160	Taxes Sewer Property (KY, Bluegra)	\$1,468	\$1,468	\$1,468	\$1,468	\$1,468	\$1,468	\$1,468	\$1,468	\$1,468	\$1,468	\$1,468	\$1,468	\$17,622
408.161	Taxes Water Property (KY, Bluegra)	\$8	\$8	\$8	\$8	\$8	\$8	\$8	\$8	\$8	\$8	\$8	\$8	\$92

\$17,714

Workpaper #:  
Excel Reference:

W/P - CE1  
Work Papers/[BGUOC 2020 Rate Case - Schedule CE1.xlsx]Workpaper 1

Bluegrass Water Utility Operating Company, LLC  
Case No. 2020-00290  
Base Year for the 12 Months Ended December 31, 2020  
Forecast Year for the 12 Months Ended April 30,2022  
Property Taxes Expense

Witness Responsible: Brent Thies  
Type of Filing:  Original  Updated  Revised

Line No.	Description			
	<u>Adjustment to Annualize Base Period Expenses</u>			
1	<u>Rationale:</u>			
2				
3				
4				
5				
6	<u>Taxes Sewer Property (KY, Bluegra)-408.160</u>			
7				
8				
9		Monthly Amount	Annual Amount	Schedule
10	Bluegrass	-	6,442	
11			-	
12		-	6,442	
13				
14		Base Year Total	\$6,815	
15		Adjusted Annual Total	6,442	
16		Adjustment Total	(373)	
17				
18				
19	<u>Taxes Water Property (KY, Bluegra)-408.161</u>			
20				
21				
22		Monthly Amount	Annual Amount	
23	Bluegrass 1		46	
24	Bluegrass 2		-	
25		-	46	
26				
27		Base Year Total	\$0	
28		Adjusted Annual Total	46	
29		Adjustment Total	46	
30				
31				
32				
33				
34				
35	Total Adjustments to Annual Operations Expense		(327)	
36				
37				

Workpaper #:  
Excel Reference:

W/P - CE2  
Work Papers/[BGUOC 2020 Rate Case - Schedule CE2.xlsx]Exhibit

Bluegrass Water Utility Operating Company, LLC  
Case No. 2020-00290  
Base Year Adjustment Customer Billing Expense  
For the 12 Months Ending April 30, 2022

Witness Responsible: Brent Thies

Type of Filing:  Original  Updated  Revised

Line No.	Description	Base Year at 12/31/2020	Adjustments	Forecast Year at 4/30/2022	Reference
1	Base Year for the 12 Months Ended 12/31/20	\$66,284		\$66,284	
2					
3					
4	<b>Adjustments:</b>				
5	Annualize Partial Base Year Expenses		7,872		Workpaper 1
6	Expenditures for System Acquisitions		11,904		Schedule ACQ-1
7					
8					
9					
10					
11	<b>Total Adjustments:</b>		<u>\$19,776</u>	<u>\$19,776</u>	
12					
13					
14	<b>Forecast Year at 4/30/2022</b>			<u><u>\$86,060</u></u>	
15					

Workpaper #:  
Excel Reference:

W/P - CE3  
Work Papers/[BGUOC 2020 Rate Case - Schedule CE3.xlsx]Exhibit

Bluegrass Water Utility Operating Company, LLC  
Case No. 2020-00290  
Base Year Adjustment Overhead Allocation  
For the 12 Months Ending June 30, 2020

Witness Responsible: Brent Thies

Type of Filing:  Original  Updated  Revised

Line No.	Description	Base Year at 12/31/2020	Adjustments	Forecast Year at 4/30/2022	Reference
1	Base Year for the 12 Months Ended 12/31/20	\$220,423		\$220,423	
2					
3					
4	<b>Adjustments:</b>				
5	Annualize Partial Base Year Expenses		953		Workpaper 1
6	CSWR Forecasted Allocation		114,585		Workpaper 2
7					
8					
9					
10					
11	<b>Total Adjustments:</b>		<u>\$115,538</u>	<u>\$115,538</u>	
12					
13					
14	<b>Forecast Year at 4/30/2022</b>			<u><u>\$335,961</u></u>	
15					



Workpaper #:  
Excel Reference:

W/P - CE4  
Work Papers/[BGUOC 2020 Rate Case - Schedule CE4.xlsx]Exhibit

Bluegrass Water Utility Operating Company, LLC  
Case No. 2020-00290  
Base Year Adjustment Outside Services  
For the 12 Months Ending April 30, 2022

Witness Responsible: Brent Thies  
Type of Filing:  Original  Updated  Revised

Line No.	Description	Base Year at 12/31/2020	Adjustments	Forecast Year at 4/30/2022	Reference
1	Base Year for the 12 Months Ended 12/31/20	\$47,658		\$47,658	
2					
3					
4	<b>Adjustments:</b>				
5	Annualize Partial Base Year Expenses		572		Workpaper 1
6	Expenditures for System Acquisitions				Schedule ACQ-1
7					Add pro forma for 8 system additions
8					
9					
10					
11	<b>Total Adjustments:</b>		<u>\$572</u>	<u>\$572</u>	
12					
13					
14	<b>Forecast Year at 4/30/2022</b>			<u><u>\$48,230</u></u>	
15					

Workpaper #:  
Excel Reference:

W/P - CE5  
Work Papers/[BGUOC 2020 Rate Case - Schedule CE5.xlsx]Exhibit

Bluegrass Water Utility Operating Company, LLC  
Case No. 2020-00290  
Base Year Adjustment Property & Liability Insurance  
For the 12 Months Ending April 30, 2022

Witness Responsible: Brent Thies

Type of Filing:  Original  Updated  Revised

Line No.	Description	Base Year at 12/31/2020	Adjustments	Forecast Year at 4/30/2022	Reference
1	Base Year for the 12 Months Ended 12/31/20	\$160,236		\$160,236	
2					
3					
4	<b>Adjustments:</b>				
5	Annualize Partial Base Year Expenses		3,180		Workpaper 1
6	Expenditures for System Acquisitions		20,000		Schedule ACQ-1
7					
8					
9					
10					
11	<b>Total Adjustments:</b>		<u>\$23,180</u>	<u>\$23,180</u>	
12					
13					
14	<b>Forecast Year at 4/30/2022</b>			<u><u>\$183,416</u></u>	
15					

Workpaper #:  
Excel Reference:

W/P - CE6  
Work Papers/[BGUOC 2020 Rate Case - Schedule CE6.xlsx]Exhibit

Bluegrass Water Utility Operating Company, LLC  
Case No. 2020-00290  
Base Year Adjustment Regulatory Expense  
For the 12 Months Ending April 30, 2022

Witness Responsible: Brent Thies

Type of Filing:  Original  Updated  Revised

Line No.	Description	Base Year at 12/31/2020	Adjustments	Forecast Year at 4/30/2022	Reference
1	Base Year for the 12 Months Ended 12/31/20	\$8,004		\$8,004	
2					
3					
4	<b>Adjustments:</b>				
5	Annualize Partial Base Year Expenses		(841)		Workpaper 1
6					
7					
8					
9					
10					
11	<b>Total Adjustments:</b>		<u>(\$841)</u>	<u>(\$841)</u>	
12					
13					
14	<b>Forecast Year at 4/30/2022</b>			<u><u>\$7,163</u></u>	
15					

Workpaper #:  
Excel Reference:

W/P - CE7  
Work Papers/[BGUOC 2020 Rate Case - Schedule CE7.xlsx]Exhibit

Bluegrass Water Utility Operating Company, LLC  
Case No. 2020-00290  
Base Year Adjustment Uncollectible Accounts Expense  
Base Year for the 12 Months Ended December 31, 2020

Witness Responsible: Brent Thies

Type of Filing:  Original  Updated  Revised

Line No.	Description	Base Year at 12/31/2020	Adjustments	Forecast Year at 4/30/2022	Reference
1	Sewer Uncollectible Accounts (KY, Bluegra)	\$5,686		\$5,686	
2					
3					
4	<b>Adjustments:</b>				
5					
6	Adjustment to annualize Sewer Expense		3,366		
7	Adjustment to annualize Water Expense		285		
8					
9					
10					
11	<b>Total Adjustments:</b>		<u>\$3,651</u>	<u>\$3,651</u>	
12					
13					
14	<b>Forecast Year at 4/30/2022</b>			<u><u>\$9,337</u></u>	
15					

CSWR, LLC  
Overhead Allocation  
Q3 - 2020

**Premise:** The Mass Method is employed when no direct cost benefit relationship is readily available among multiple product lines or services (i.e., UOCs). In this case, the weighted average of the primary drivers of the business are calculated and used to allocate administrative and general expenses.

The cost drivers are defined as:  
A. Utility Plant in Service  
B. Revenue  
C. Direct Labor

Overhead to UOCs	
Total SG&A Budget	6,580,338
Less: BD expenses	(1,181,221) *Employee & Travel expe
	5,399,117

Utility Plant in Service			Revenue		
Amount	Percent		Amount	Percent	
Hillcrest	1,151,571	2.40%	Hillcrest	440,000	3.02%
Raccoon Creek	1,715,331	3.58%	Raccoon Creek	540,000	3.70%
Indian Hills	1,771,462	3.69%	Indian Hills	540,000	3.70%
Elm Hills	2,355,871	4.91%	Elm Hills	300,000	2.06%
Confluence Rivers	2,000,000	4.17%	Confluence Rivers	1,203,000	8.25%
Osage	807,103	1.68%	Osage	207,000	1.42%
Hayden's Place	193,473	0.40%	Hayden's Place	91,440	0.63%
St. Joseph's Glen	796,242	1.66%	St. Joseph's Glen	244,000	1.67%
Sebastian Lake	241,403	0.50%	Sebastian Lake	133,000	0.91%
Eagle Ridge	289,604	0.60%	Eagle Ridge	179,000	1.23%
Oak Hill	321,073	0.67%	Oak Hill	142,000	0.97%
Flushing Meadows	339,456	0.71%	Flushing Meadows	198,000	1.36%
Magnolia	35,177,270	73.35%	Magnolia	9,500,000	65.12%
Bluegrass	797,558	1.66%	Bluegrass	870,000	5.96%
	47,957,417	100.00%		14,587,440	100.00%

  

Direct Labor			Overhead Allocation			CSWR
Amount	Percent		Amount	Percent		Allocation
Hillcrest	33,677	0.59%	Hillcrest	108,031	2.00%	9,003
Raccoon Creek	66,585	1.16%	Raccoon Creek	151,816	2.81%	12,651
Indian Hills	63,376	1.10%	Indian Hills	152,919	2.83%	12,743
Elm Hills	109,577	1.90%	Elm Hills	159,688	2.96%	13,307
Confluence Rivers	505,806	8.79%	Confluence Rivers	381,650	7.07%	31,804
Osage	82,560	1.43%	Osage	81,645	1.51%	6,804
Hayden's Place	25,922	0.45%	Hayden's Place	26,648	0.49%	2,221
St. Joseph's Glen	37,691	0.65%	St. Joseph's Glen	71,771	1.33%	5,981
Sebastian Lake	46,195	0.80%	Sebastian Lake	39,914	0.74%	3,326
Eagle Ridge	108,757	1.89%	Eagle Ridge	66,963	1.24%	5,580
Oak Hill	52,214	0.91%	Oak Hill	45,897	0.85%	3,825
Flushing Meadows	103,650	1.80%	Flushing Meadows	69,580	1.29%	5,798
Magnolia	4,250,000	73.85%	Magnolia	3,821,223	70.77%	318,435
Bluegrass	268,950	4.67%	Bluegrass	221,372	4.10%	18,448
	5,754,960	100.00%	<b>Total Overhead Allocation</b>	<b>5,399,117</b>	<b>100.00%</b>	<b>449,926</b>

	Bluegrass C Monthly Or Annual OHA		
Sewer	1637	15,283	183,394
Water	339	3,165	37,978
	1976	18,448	221,372

CSWR, LLC  
Overhead Allocation  
Q4 - 2021

**Premise:** The Mass Method is employed when no direct cost benefit relationship is readily available among multiple product lines or services (i.e., UOCs). In this case, the weighted average of the primary drivers of the business are calculated and used to allocate administrative and general expenses.

The cost drivers are defined as:  
A. Utility Plant in Service  
B. Revenue  
C. Direct Labor

Utility Plant in Service			Revenue		
	Amount	Percent		Amount	Percent
Hillcrest	1,151,571	0.60%	Hillcrest	440,000	1.06%
Raccoon Creek	1,715,331	0.89%	Raccoon Creek	540,000	1.30%
Indian Hills	1,771,462	0.92%	Indian Hills	540,000	1.30%
Elm Hills	2,420,000	1.26%	Elm Hills	588,000	1.41%
Confluence Rivers	11,515,000	5.99%	Confluence Rivers	1,848,000	4.44%
Osage	2,465,000	1.28%	Osage	528,000	1.27%
Hayden's Place	200,000	0.10%	Hayden's Place	96,000	0.23%
St. Joseph's Glen	800,000	0.42%	St. Joseph's Glen	360,000	0.87%
Sebastian Lake	250,000	0.13%	Sebastian Lake	132,000	0.32%
Great River	16,583,000	8.63%	Great River	2,016,000	4.85%
Grasslands	29,520,000	15.37%	Grasslands	4,836,000	11.63%
Redbird	18,086,000	9.42%	Redbird	3,264,000	7.85%
Limestone	3,564,000	1.86%	Limestone	348,000	0.84%
Eagle Ridge	529,000	0.28%	Eagle Ridge	180,000	0.43%
Oak Hill	325,000	0.17%	Oak Hill	144,000	0.35%
AZ-CSWR	4,940,000	2.57%	AZ-CSWR	540,000	1.30%
Flushing Meadows	843,000	0.44%	Flushing Meadows	252,000	0.61%
Magnolia	87,504,000	45.55%	Magnolia	22,404,000	53.89%
Bluegrass	7,914,000	4.12%	Bluegrass	2,520,000	6.06%
	192,096,364	100.00%		41,576,000	100.00%

Overhead to UOCs	
Total SG&A Budget	11,173,000
Less: BD expenses	(4,771,832) *Employee & Travel expense
	6,401,169

Direct Labor			Overhead Allocation			CSWR
	Amount	Percent		6,401,169	Allocation	
Hillcrest	33,677	0.51%	Hillcrest	46,297	0.72%	3,858
Raccoon Creek	66,585	1.01%	Raccoon Creek	68,366	1.07%	5,697
Indian Hills	63,376	0.96%	Indian Hills	67,949	1.06%	5,662
Elm Hills	123,000	1.87%	Elm Hills	96,957	1.51%	8,080
Confluence Rivers	369,000	5.61%	Confluence Rivers	342,445	5.35%	28,537
Osage	54,000	0.82%	Osage	71,995	1.12%	6,000
Hayden's Place	21,000	0.32%	Hayden's Place	13,961	0.22%	1,163
St. Joseph's Glen	45,000	0.68%	St. Joseph's Glen	41,959	0.66%	3,497
Sebastian Lake	33,000	0.50%	Sebastian Lake	20,256	0.32%	1,688
Great River	732,000	11.13%	Great River	525,114	8.20%	43,759
Grasslands	954,000	14.50%	Grasslands	885,552	13.83%	73,796
Redbird	786,000	11.95%	Redbird	623,374	9.74%	51,948
Limestone	84,000	1.28%	Limestone	84,696	1.32%	7,058
Eagle Ridge	66,000	1.00%	Eagle Ridge	36,523	0.57%	3,044
Oak Hill	15,000	0.23%	Oak Hill	15,866	0.25%	1,322
AZ-CSWR	165,000	2.51%	AZ-CSWR	136,109	2.13%	11,342
Flushing Meadows	45,000	0.68%	Flushing Meadows	36,894	0.58%	3,075
Magnolia	2,556,000	38.86%	Magnolia	2,950,894	46.10%	245,908
Bluegrass	366,000	5.56%	Bluegrass	335,961	5.25%	27,997
	6,577,638	100.00%	<b>Total Overhead Allocation</b>	<b>6,401,169</b>	<b>100.00%</b>	<b>533,431</b>

	Bluegrass Customers	Monthly OHA	Annual OHA
Sewer	2306	24,409	292,902
Water	339	3,588	43,059
	2645	27,997	335,961



Bluegrass Water Utility Operating Company, LLC  
Case No. 2020-00290  
Supporting Schedule for Jurisdictional Operating Income Summary  
Breakdown by Major Account Group & Individual Account

Data:  Base Period  Forecast Period  
Version:  Original  Updated  Revised

Exhibit 21, Schedule C-2  
Work Papers/[BGUOC 2020 Rate Case - Income Statement (Sewer).xlsx]MSFR Inc Stmt by Acct - SCH C.2  
Witness: B. Thies

Line #	Major NARUC Group	Financial Statement Grouping	96 NARUC Account	Account Name	Base Period 12 Months Ended 12/31/20	Allocated Adjustment Forecast at Present Rates	Forecast Year at Present Rates, 12 Mo Ended 4/30/22
1							
2	400	Sewer Revenue	521.000	Revenue Sewer (KY, Bluegra)	705,688	449,300	1,154,988
3			532.000	Late Fees Sewer (KY, Bluegra)	(395)	395	0
4			536.000	Miscellaneous Service Revenues (KY, Bluegra)	8	0	8
5				<b>Total</b>	<b>705,301</b>	<b>449,695</b>	<b>1,154,996</b>
6							
7	401	Sewer Expense	701.000	Sewer - O&M - Operations Labor and Expense (KY, Bluegra)	537,514	362,954	900,468
8			701.100	Sewer - O&M - Testing Expense (KY, Bluegra)	68,878	38,802	107,680
9			701.200	Sewer - O&M - Sludge Removal (KY, Bluegra)	1,200	20,000	21,200
10			703.000	Sewer - O&M - Fuel & Power for Pumping and Treatment (KY, Bluegra)	92,975	77,233	170,208
11			704.000	Sewer - O&M - Chemicals (KY, Bluegra)	96,164	32,472	128,636
12			705.000	Sewer - O&M - Miscellaneous Supplies (KY, Bluegra )	6,533	5,000	11,533
13			711.000	Sewer - O&M - Maintenance Structures and Improvements (KY, Bluegra)	18,077	9,843	27,920
14			712.000	Sewer - O&M - Maintenance of Collection Sewer System (KY, Bluegra)	4,690	21,118	25,808
15			714.000	Sewer - O&M - Maintenance of Treatment & Disposal Plant (KY, Bluegra)	13,415	20,025	33,440
16			713.001	Sewer - O&M - Maintenance of Pumping System (KY, Bluegra )	12,917	11,923	24,840
17				<b>Total</b>	<b>852,363</b>	<b>599,370</b>	<b>1,451,733</b>
18							
19	401	Allocated Expenses	903.100	Sewer Cust Record Collect (Billing) (KY, Bluegra)	47,211	8,658	55,869
20			903.280	Sewer Cust Record Collect (Bank Fees) (KY, Bluegra)	14,002	5,366	19,368
21			922.000	Sewer Administrative Expenses Transferred (KY, Bluegra)	201,433	91,470	292,902
22			923.400	Sewer OutsideService (Legal Fees) (KY, Bluegra)	1,591	(69)	1,522
23			923.600	Sewer OutsideService (Manage Consult) (KY, Bluegra)	39,088	(3,088)	36,000
24			923.900	Sewer Outside Services (IT) (KY, Bluegra)	3,549	51	3,600
25			924.400	Sewer Property Insurance Commercial (KY, Bluegra)	157,056	15,548	172,604
26			928.100	Sewer Regulatory Expense DNR (KY, Bluegra)	7,163	0	7,163
27			928.200	Sewer Regulatory Expense PSC (KY, Bluegra)	841	(841)	0
28			904.000	Sewer Uncollectible Accounts (KY, Bluegra)	5,296	3,366	8,662
29				<b>Total</b>	<b>477,229</b>	<b>120,462</b>	<b>597,691</b>
30							
31	403	Depreciation	403	Depreciation of UPIS net of CIAC	92,730	171,365	264,095
32				<b>Total</b>	<b>92,730</b>	<b>171,365</b>	<b>264,095</b>
33							
34	406 & 407	Amortization			0	0	0
35				<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>
36							
37	408	General Taxes	408.160	Taxes Sewer Property (KY, Bluegra)	6,815	10,807	17,622
38				<b>Total</b>	<b>6,815</b>	<b>10,807</b>	<b>17,622</b>
39							
40		Operating Income			<b>(\$723,836)</b>	<b>(\$452,308)</b>	<b>(\$1,176,144)</b>



Bluegrass Water Utility Operating Company, LLC  
Case No. 2020-00290  
Supporting Schedule for Jurisdictional Operating Income Summary  
Breakdown by Major Account Group & Individual Account

Data:  Base Period  Forecast Period  
Version:  Original  Updated  Revised

Exhibit 21, Schedule C-2  
Work Papers/[BGUOC 2020 Rate Case - Income Statement (Sewer).xlsx]MSFR Inc Stmt by Acct - SCH C.2  
Witness: B. Thies

Line #	Major NARUC Group	Financial Statement Grouping	96 NARUC Account	Account Name	Base Period 12 Months Ended 12/31/20	Allocated Adjustment Forecast at Present Rates	Forecast Year at Present Rates, 12 Mo Ended 4/30/22
41							
42	<b>Breakdown by Major Account Group</b>						
43	<b>400</b>	Sum Operating Revenues			705,301	449,695	1,154,996
44	<b>401</b>	Sum Operating Expenses			1,329,592	719,832	2,049,424
45	<b>403</b>	Sum Depreciation Expense			92,730	171,365	264,095
46	<b>407</b>	Sum Amortization Expense			0	0	0
47	<b>408</b>	Sum Taxes Other Than income			6,815	10,807	17,622
48				<b>Operating Income Summary</b>	<b>(\$723,836)</b>	<b>(\$452,308)</b>	<b>(\$1,176,144)</b>
49							
50							

**Bluegrass Water Utility Operating Company, LLC**

**Case No. 2020-00290**

**Summary of Jurisdictional Adjustments to Operating Income by Major Account**

Data:  Base Period  Forecast Period

Version:  Original  Updated  Revised

Exhibit 21, Schedule D-1

Work Papers/[BGUOC 2020 Rate Case - Income Statement (Sewer).xlsx]MSFR IS Adjust D.1

Witness: B. Thies

<b>Line Number</b>	<b>Major NARUC Account Group</b>	<b>Description</b>	<b>Base Period 12 Months Ended 12/31/2020</b>	<b>Adjust for Forecast at Present Rates</b>	<b>Forecast Year at Present Rates 12 Mo Ended 4/30/2022</b>	<b>Supporting Schedule Information</b>
1	400	Operating Revenues	\$705,301	\$449,687	\$1,154,988	See D-2
2						
3	401	Operating Expenses	1,329,592	719,832	2,049,424	See D-2
4						
5	403	Depreciation Expense	92,730	171,365	264,095	See D-2
6						
7	407	Amortization Expense	0	0	0	See D-2
8						
9	408	Taxes Other Than Income	6,815	10,807	17,622	See D-2
10						
11		Utility Operating Income	<u>(\$723,836)</u>	<u>(\$452,316)</u>	<u>(\$1,176,152)</u>	
12						
13						
14						
15						

**Bluegrass Water Utility Operating Company, LLC**  
**Case No. 2020-00290**  
**Supporting Schedule for Individual Adjustments to Operating Income**

Data:  Base Period  Forecast Period  
Version:  Original  Updated  Revised

Exhibit 21, Schedule D-2  
Work Papers/[BGUOC 2020 Rate Case - Income Statement (Sewer).xlsx]MSFR IS Adjust Support D-2  
Witness: B. Thies

Line #	Major NARUC acct. Grou	Description	Base Period Ended 12/31/2020	Adjustment for Forecast at Present Rates	Forecast Year Ended 4/30/2022 At Present Rates	Work Paper #	Workpaper Excel Location	Description of Adjustment
1	<b>400</b>	<b>Operating Revenues</b>						
2		<b>Sewer Revenues</b>						
3		Sewer Revenues	\$705,301	\$449,687	\$1,154,988	W/P - SR-1	Work Papers/[BGUOC 2020 Rate Case - Schedule SR1.xlsx]Exhibit	Annualize revenue for systems acquired during base year. Add anticipated revenue for systems to be acquired after base year and prior to forecast year.
4								
5	<b>401</b>	<b>Operating Expense</b>						
6		<b>O&amp;M:</b>						
7		Sewer - O&M - Operations Labor and Expense (KY, Bluegra)	537,514	362,954	900,468	W/P - SE1	Work Papers/[BGUOC 2020 Rate Case - Schedule SE1.xlsx]Exhibit	Annualize expense for systems acquired during base year. Add budgeted expense for systems to be acquired after base year and prior to forecast year.
8		Sewer - O&M - Testing Expense (KY, Bluegra)	68,878	38,802	107,680	W/P - SE1	Work Papers/[BGUOC 2020 Rate Case - Schedule SE1.xlsx]Exhibit	Annualize expense for systems acquired during base year. Add budgeted expense for systems to be acquired after base year and prior to forecast year.
9		Sewer - O&M - Sludge Removal (KY, Bluegra)	1,200	20,000	21,200	W/P - SE1	Work Papers/[BGUOC 2020 Rate Case - Schedule SE1.xlsx]Exhibit	Annualize expense for systems acquired during base year. Add budgeted expense for systems to be acquired after base year and prior to forecast year.
10		Sewer - O&M - Fuel & Power for Pumping and Treatment (KY, Bluegra)	92,975	77,233	170,208	W/P - SE2	Work Papers/[BGUOC 2020 Rate Case - Schedule SE2.xlsx]Exhibit	Annualize expense for systems acquired during base year. Add budgeted expense for systems to be acquired after base year and prior to forecast year.
11		Sewer - O&M - Chemicals (KY, Bluegra)	96,164	32,472	128,636	W/P - SE2	Work Papers/[BGUOC 2020 Rate Case - Schedule SE2.xlsx]Exhibit	Annualize expense for systems acquired during base year. Add budgeted expense for systems to be acquired after base year and prior to forecast year.
12		Sewer - O&M - Miscellaneous Supplies (KY, Bluegra )	6,533	5,000	11,533	W/P - SE2	Work Papers/[BGUOC 2020 Rate Case - Schedule SE2.xlsx]Exhibit	Annualize expense for systems acquired during base year. Add budgeted expense for systems to be acquired after base year and prior to forecast year.
13		Sewer - O&M - Maintenance Structures and Improvements (KY, Bluegra)	18,077	9,843	27,920	W/P - SE3	Work Papers/[BGUOC 2020 Rate Case - Schedule SE3.xlsx]Exhibit	Annualize expense for systems acquired during base year. Add budgeted expense for systems to be acquired after base year and prior to forecast year.
14		Sewer - O&M - Maintenance of Collection Sewer System (KY, Bluegra)	4,690	21,118	25,808	W/P - SE3	Work Papers/[BGUOC 2020 Rate Case - Schedule SE3.xlsx]Exhibit	Annualize expense for systems acquired during base year. Add budgeted expense for systems to be acquired after base year and prior to forecast year.
15		Sewer - O&M - Maintenance of Treatment & Disposal Plant (KY, Bluegra)	13,415	20,025	33,440	W/P - SE3	Work Papers/[BGUOC 2020 Rate Case - Schedule SE3.xlsx]Exhibit	Annualize expense for systems acquired during base year. Add budgeted expense for systems to be acquired after base year and prior to forecast year.
16		Sewer - O&M - Maintenance of Pumping System (KY, Bluegra )	12,917	11,923	24,840	W/P - SE3	Work Papers/[BGUOC 2020 Rate Case - Schedule SE3.xlsx]Exhibit	Annualize expense for systems acquired during base year. Add budgeted expense for systems to be acquired after base year and prior to forecast year.
17		Sewer Cust Record Collect (Billing) (KY, Bluegra)	47,211	8,658	55,869	W/P - CE2	Work Papers/[BGUOC 2020 Rate Case - Schedule CE2.xlsx]Exhibit	Annualize expense for systems acquired during base year. Add budgeted expense for systems to be acquired after base year and prior to forecast year.
18		Sewer Cust Record Collect (Bank Fees) (KY, Bluegra)	14,002	5,366	19,368	W/P - CE2	Work Papers/[BGUOC 2020 Rate Case - Schedule CE2.xlsx]Exhibit	Annualize expense for systems acquired during base year. Add budgeted expense for systems to be acquired after base year and prior to forecast year.
19		Sewer Administrative Expenses Transferred (KY, Bluegra)	201,433	91,470	292,902	W/P - CE3	Work Papers/[BGUOC 2020 Rate Case - Schedule CE3.xlsx]Exhibit	Annualize expense for systems acquired during base year. Add budgeted expense for systems to be acquired after base year and prior to forecast year.
20		Sewer OutsideService (Legal Fees) (KY, Bluegra)	1,591	(69)	1,522	W/P - CE4	Work Papers/[BGUOC 2020 Rate Case - Schedule CE4.xlsx]Exhibit	Allocation of expense from sewer to water expenses.
21		Sewer OutsideService (Manage Consult) (KY, Bluegra)	39,088	(3,088)	36,000	W/P - CE4	Work Papers/[BGUOC 2020 Rate Case - Schedule CE4.xlsx]Exhibit	Allocation of expense from sewer to water expenses.



**Bluegrass Water Utility Operating Company, LLC**

**Case No. 2020-00290**

**Supporting Schedule for Jurisdictional Factors**

Data:  Base Period  Forecast Period

Version:  Original  Updated  Revised

Exhibit 21, Schedule D-3

Work Papers/[BGUOC 2020 Rate Case - Income Statement (Sewer).xlsx]D-3

Jurisdictional Factors are not applicable to Bluegrass Water Utility Operating Company in this proceeding.

Bluegrass Water Utility Operating Company, LLC  
Case No. 2020-00290  
Supporting Schedule for Jurisdictional Operating Income Summary  
Income Tax Summary

Data:  Base Period  Forecast Period  
Version:  Original  Updated  Revised

Exhibit 21, Schedule E  
Work Papers/[BGUOC 2020 Rate Case - Income Statement (Sewer).xlsx]Tax Summary - SCH E  
Witness: B. Thies

Line #	Major NARUC Group	Financial Statement Grouping	Base Period 12 Months Ended 12/31/20	Allocated Adjustment Forecast at Present Rates	Forecast Year at Present Rates, 12 Mo Ended 4/30/22	Adjustment for Proposed Rates	Forecast Year at Proposed Rates
1							
2	400	Water Revenue	\$705,301	\$449,687	\$1,154,988	\$2,177,052	\$3,332,040
3							
4	401	Operating Expense (Direct and Allocated)	1,329,592	719,832	2,049,424	9,819	2,059,243
5							
6	403	Depreciation - Net of CIAC Amort	92,730	171,365	264,095	0	264,095
7							
8	406 & 407	Amortization	0	0	0	0	0
9							
10	408	General Taxes	6,815	10,807	17,622	0	17,622
11							
12		Pre-Tax Income	<u>(\$723,836)</u>	<u>(\$452,317)</u>	<u>(\$1,176,152)</u>	<u>\$2,167,233</u>	<u>\$991,081</u>
13							
14	Calculation of State Income Taxes						
15		Tax Rate	5%		5%		5%
16	409	Total Current Taxes	0		0		49,554
17							
18	Calculation of Federal Income Taxes						
19		Tax Rate	21%		21%		21%
20	409	Total Current Taxes	0		0		197,721
21							
22							



**Bluegrass Water Utility Operating Company, LLC**  
**Case No. 2020-00290**  
**Supporting Schedule for Jurisdictional Operating Income Summary**  
**Breakdown by Major Account Group & Individual Account**

Exhibit 21, Schedule C-2

Data:  Base Period  Forecast Period  
Version:  Original  Updated  Revised

Work Papers/[BGUOC 2020 Rate Case - Income Statement (Water).xlsx]MSFR Inc Stmt by Acct - SCH C.2

Witness: B. Thies

Line #	Major NARUC Group	Financial Statement Grouping	96 NARUC Account	Account Name	Base Period 12 Months Ended 12/31/20	Allocated Adjustment Forecast at Present Rates	Forecast Year at Present Rates, 12 Mo Ended 4/30/22
1							
2	400	Water Revenue	461.000	Revenue Water (KY, Bluegra)	\$52,050	\$37,950	\$90,000
3			470.000	Late Fees Water (KY, Bluegra)	(\$2,273)	\$2,273	\$0
4							
5				<b>Total</b>	<b>49,777</b>	<b>40,223</b>	<b>90,000</b>
6							
7	401	Direct Water Expense	636.300	Water - O&M - Contractual Services - Other Treatment Ops (KY, Bluegra)	91,533	52,515	144,048
8			618.300	Water - O&M - Chemicals - Treatment (KY, Bluegra )	1,954	1,046	3,000
9			615.100	Water - O&M - Purchased Power - Pumping (KY, Bluegra )	12,118	14,882	27,000
10			636.200	Water - O&M - Contractual Services - Other Pumping Maint	624	1,248	1,872
11			636.400	Water - O&M - Contractual Services - Other Treatment Maint	624	1,248	1,872
12			636.600	Water - O&M - Contractual Services - Other Trans & Distr Maint	624	1,248	1,872
13			620.600	Water - O&M - Materials & Supplies - Trans & Distr Maint	624	1,248	1,872
14				<b>Total</b>	<b>108,102</b>	<b>73,434</b>	<b>181,536</b>
15							
16	401	Allocated Water Expense					
17			903.101	Water Cust Record Collect (Billing) (KY, Bluegra)	3,865	4,669	8,535
18			903.281	Water Cust Record Collect (Bank Fees) (KY, Bluegra)	1,206	1,083	2,289
19			670.000	Water Bad Debt Expense (KY, Bluegra)	390	285	675
20			922.100	Water Administrative Expenses Transferred (KY, Bluegra)	18,990	24,069	43,059
21			633.000	Water Contractual Services (Legal Fees) (KY, Bluegra)	108	208	315
22			634.000	Water Contractual Services (Manage Consult) (KY, Bluegra)	3,066	3,110	6,176
23			634.100	Water Contractual Services (IT) (KY, Bluegra)	257	360	618
24			657.000	Water Property Insurance Gen Liab (KY, Bluegra)	3,180	7,632	10,812
25			667.100	Water Regulatory Expense DNR (KY, Bluegra)	0	0	0
26			667.200	Water Regulatory Expense PSC (KY, Bluegra)	0	0	0
27				<b>Total</b>	<b>31,062</b>	<b>41,416</b>	<b>72,478</b>
28							
29							
30	403	Amort	403	Depreciation of UPIS net of CIAC	8,049	23,892	31,941
31				<b>Total</b>	<b>8,049</b>	<b>23,892</b>	<b>31,941</b>
32							
33	406 & 407	Amortization			0	0	0
34				<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>
35							
36							
37	408	General Taxes	408.161	Taxes Water Property (KY, Bluegra)	46	46	92
38				<b>Total</b>	<b>46</b>	<b>46</b>	<b>92</b>
39							
40		Operating Income			<b>(\$97,482)</b>	<b>(\$98,565)</b>	<b>(\$196,047)</b>
41							
42	<b>Breakdown by Major Account Group</b>						



**Bluegrass Water Utility Operating Company, LLC**  
**Case No. 2020-00290**  
**Supporting Schedule for Jurisdictional Operating Income Summary**  
**Breakdown by Major Account Group & Individual Account**

Exhibit 21, Schedule C-2

Data:  Base Period  Forecast Period  
Version:  Original  Updated  Revised

Work Papers/[BGUOC 2020 Rate Case - Income Statement (Water).xlsx]MSFR Inc Stmt by Acct - SCH C.2

Witness: B. Thies

Line #	Major NARUC Group	Financial Statement Grouping	96 NARUC Account	Account Name	Base Period 12 Months Ended 12/31/20	Allocated Adjustment Forecast at Present Rates	Forecast Year at Present Rates, 12 Mo Ended 4/30/22
43	400	Sum Operating Revenues			49,777	40,223	90,000
44	401	Sum Operating Expenses			139,164	114,850	254,014
45	403	Sum Depreciation Expense			8,049	23,892	31,941
46	407	Sum Amortization Expense			0	0	0
47	408	Sum Taxes Other Than income			46	46	92
48				<b>Operating Income Summary</b>	<b>(\$97,482)</b>	<b>(\$98,565)</b>	<b>(\$196,047)</b>
49							

**Bluegrass Water Utility Operating Company, LLC**

**Case No. 2020-00290**

**Summary of Jurisdictional Adjustments to Operating Income by Major Account**

Exhibit 21, Schedule D-1

Data:  Base Period  Forecast Period

Work Papers/[BGUOC 2020 Rate Case - Income Statement (Water).xlsx]MSFR IS Adjust D.1

Version:  Original  Updated  Revised

Witness: B. Thies

Line Number	Major NARUC Account Group	Description	Base Period 12 Months Ended 12/31/2020	Adjust for Forecast at Present Rates	Forecast Year at Present Rates 12 Mo Ended 4/30/2022	Supporting Schedule Information
1	400	Operating Revenues	\$49,777	\$40,223	\$90,000	See D-2
2						
3	401	Operating Expenses	139,164	114,850	254,014	See D-2
4						
5	403	Depreciation Expense	8,049	23,892	31,941	See D-2
6						
7	407	Amortization Expense	0	0	0	See D-2
8						
9	408	Taxes Other Than Income	46	46	92	See D-2
10						
11						
12		Utility Operating Income	<u>(\$97,482)</u>	<u>(\$98,565)</u>	<u>(\$196,047)</u>	
13						
14						
15						
16						
17						
18						
19						

**Bluegrass Water Utility Operating Company, LLC**  
**Case No. 2020-00290**  
**Supporting Schedule for Individual Adjustments to Operating Income**

Exhibit 21, Schedule D-2

Work Papers/[BGUOC 2020 Rate Case - Income Statement (Water).xlsx]MSFR IS Adjust Support D-2

Witness: B. Thies

Data:  Base Period  Forecast Period  
Version:  Original  Updated  Revised

Line #	Major NARUC	Description	Base Period Ended 12/31/2020	Adjustment for Forecast at Present Rates	Forecast Year Ended 4/30/2022 At Present Rates	Work Paper #	Workpaper Excel Location	Description of Adjustment
1	<b>400</b>	<b>Operating Revenues</b>						
2		<b>Water Revenues</b>						
3		Water Revenues	\$49,777	\$40,223	\$90,000	W/P - WR1	Work Papers/[BGUOC 2020 Rate Case - Schedule WR1.xlsx]Exhibit	Annualize revenue for systems acquired during base year.
4								
5	<b>401</b>	<b>Operating Expense</b>						
6		<b>O&amp;M:</b>						
7		Water - O&M - Contractual Services - Other Treatment Ops (KY, Bluegra )	91,533	52,515	144,048	W/P - WE1	Work Papers/[BGUOC 2020 Rate Case - Schedule WE1.xlsx]Exhibit	Annualize expense for systems acquired during base year.
8		Water - O&M - Chemicals - Treatment (KY, Bluegra )	1,954	1,046	3,000	W/P - WE2	Work Papers/[BGUOC 2020 Rate Case - Schedule WE2.xlsx]Exhibit	Annualize expense for systems acquired during base year.
9		Water - O&M - Purchased Power - Pumping (KY, Bluegra )	12,118	14,882	27,000	W/P - WE2	Work Papers/[BGUOC 2020 Rate Case - Schedule WE2.xlsx]Exhibit	Annualize expense for systems acquired during base year.
10		Water - O&M - Contractual Services - Other Pumping Maint	624	1,248	1,872	W/P - WE3	Work Papers/[BGUOC 2020 Rate Case - Schedule WE3.xlsx]Exhibit	Annualize expense for systems acquired during base year.
11		Water - O&M - Contractual Services - Other Treatment Maint	624	1,248	1,872	W/P - WE3	Work Papers/[BGUOC 2020 Rate Case - Schedule WE3.xlsx]Exhibit	Annualize expense for systems acquired during base year.
12		Water - O&M - Contractual Services - Other Trans & Distr Maint	624	1,248	1,872	W/P - WE3	Work Papers/[BGUOC 2020 Rate Case - Schedule WE3.xlsx]Exhibit	Annualize expense for systems acquired during base year.
13		Water - O&M - Materials & Supplies - Trans & Distr Maint	624	1,248	1,872	W/P - WE3	Work Papers/[BGUOC 2020 Rate Case - Schedule WE3.xlsx]Exhibit	Annualize expense for systems acquired during base year.
14		Water Cust Record Collect (Billing) (KY, Bluegra)	3,865	4,669	8,535	W/P - CE2	Work Papers/[BGUOC 2020 Rate Case - Schedule CE2.xlsx]Exhibit	Annualize expense for systems acquired during base year.
15		Water Cust Record Collect (Bank Fees) (KY, Bluegra)	1,206	1,083	2,289	W/P - CE2	Work Papers/[BGUOC 2020 Rate Case - Schedule CE2.xlsx]Exhibit	Annualize expense for systems acquired during base year.
16		Water Bad Debt Expense (KY, Bluegra)	390	285	675	W/P - CE7	Work Papers/[BGUOC 2020 Rate Case - Schedule CE7.xlsx]Exhibit	Annualize expense for systems acquired during base year.
17		Water Administrative Expenses Transferred (KY, Bluegra)	18,990	24,069	43,059	W/P - CE3	Work Papers/[BGUOC 2020 Rate Case - Schedule CE3.xlsx]Exhibit	Annualize expense for systems acquired during base year.
18		Water Contractual Services (Legal Fees) (KY, Bluegra)	108	208	315	W/P - CE4	Work Papers/[BGUOC 2020 Rate Case - Schedule CE4.xlsx]Exhibit	Allocation of expense from sewer to water expenses.
19		Water Contractual Services (Manage Consult) (KY, Bluegra)	3,066	3,110	6,176	W/P - CE4	Work Papers/[BGUOC 2020 Rate Case - Schedule CE4.xlsx]Exhibit	Allocation of expense from sewer to water expenses.
20		Water Contractual Services (IT) (KY, Bluegra)	257	360	618	W/P - CE4	Work Papers/[BGUOC 2020 Rate Case - Schedule CE4.xlsx]Exhibit	Allocation of expense from sewer to water expenses.
21		Water Property Insurance Gen Liab (KY, Bluegra)	3,180	7,632	10,812	W/P - CE5	Work Papers/[BGUOC 2020 Rate Case - Schedule CE5.xlsx]Exhibit	Annualize expense for systems acquired during base year.



**Bluegrass Water Utility Operating Company, LLC**

**Case No. 2020-00290**

**Supporting Schedule for Jurisdictional Factors**

Data:  Base Period  Forecast Period

Version:  Original  Updated  Revised

Exhibit 21, Schedule D-3

Work Papers/[BGUOC 2020 Rate Case - Income Statement (Water).xlsx]D-3

Jurisdictional Factors are not applicable to Bluegrass Water Utility Operating Company, LLC in this proceeding.

Bluegrass Water Utility Operating Company, LLC  
Case No. 2020-00290  
Supporting Schedule for Jurisdictional Operating Income Summary  
Income Tax Summary

Exhibit 21, Schedule E

Data:  Base Period  Forecast Period  
Version:  Original  Updated  Revised

Work Papers/[BGUOC 2020 Rate Case - Income Statement (Water).xlsx]Tax Summary - SCH E  
Witness: B. Thies

Line #	Major NARUC Group	Financial Statement Grouping	Base Period 12 Months Ended 12/31/20	Allocated Adjustment Forecast at Present Rates	Forecast Year at Present Rates, 12 Mo Ended 4/30/22	Adjustment for Proposed Rates	Forecast Year at Proposed Rates
1							
2	400	Water Revenue	\$49,777	\$40,223	\$90,000	\$336,747	\$426,747
3							
4	401	Operating Expense (Direct and Allocated)	139,164	114,850	254,014	1,388	255,402
5							
6	403	Depreciation - Net of CIAC Amort	8,049	23,892	31,941	0	31,941
7							
8	406 & 407	Amortization	0	0	0	0	0
9							
10	408	General Taxes	46	46	92	0	92
11							
12		Pre-Tax Income	<u>(\$97,482)</u>	<u>(\$98,565)</u>	<u>(\$196,047)</u>	<u>\$335,359</u>	<u>\$139,311</u>
13							
14	Calculation of State Income Taxes						
15		Tax Rate	5%		5%		5%
16	409	Total Current Taxes	0		0		6,966
17							
18	Calculation of Federal Income Taxes						
19		Tax Rate	21%		21%		21%
20	409	Total Current Taxes	0		0		27,793
21							
22							

**Bluegrass Water Utility Operating Company, LLC**

Estimate of Property Taxes

As of Aug 31, 2020

**Property Taxes**

	<b>Estimated Taxes CY 2020</b>		
	<b>366 Days</b>	<b>Service Area</b>	<b>Source</b>
	1,332.71	Persimon Ridge	949.33 From Settlement 1/1/19 to 9/17/19
	367.19	Kingswood Development	261.56 From Settlement 1/1/19 to 9/17/19
	1,309.20	LH Treatment	Payment to Scott Co. Sheriff - Due 11/30/2019
	-	Lake Columbia	Settlement Date 9/30/2019
	-	Marshall County	Settlement Date 9/26/2019
	-	Brocklyn Utilities	Settlement Date 9/17/2019
	-	Airview	Settlement Date 9/19/2019
	-	Fox Run	Settlement Date 9/24/2019
	2,769.76	River Bluffs	933.67 From Settlement 1/1/20 to 5/02/20
	700.98	Joann Estates/Timberland	234.30 From Settlement 1/1/20 to 5/01/20
Sewer Total	<u>6,479.84</u>		
	46.19	Center Ridge	19.11 From Settlement 1/1/20 to 5/30/20
Water Total	<u>46.19</u>		

**Bluegrass Water Utility Operating Company, LLC**  
**Case No. 2020-00290**  
**Jurisdictional Financial Summary for the Base and Forecast Period Detailing Derivation of the Requested Revenue Increase**

Exhibit 21, Schedule A  
 Work Papers/[BGUOC 2020 Rate Case - Revenue Requirement and Conversion Factor  
 (Sewer).xlsx]Rev Requirement - SCH A  
 Witness: B. Thies

Data:  Base Period  Forecast Period  
 Version:  Original  Updated  Revised

Line #	Base Period Ended 12/31/20	Forecast Period Ended 4/30/22	Support Schedule Reference	Excel Reference
1				
2	<b>Present Rate Utility Operating Income:</b>			
3				
4	<b>Operating Revenue at Present Rates:</b>	\$705,301	\$1,154,988	Exhibit 21, Sch C-1 Work Papers/[BGUOC 2020 Rate Case - Income Statement (Sewer).xlsx]Inc Statment - SCH C.1
5				
6	<b>Less: Deductions:</b>			
7	Operating and Maintenance	\$1,329,592	\$2,049,424	Exhibit 21, Sch C-1 Work Papers/[BGUOC 2020 Rate Case - Income Statement (Sewer).xlsx]Inc Statment - SCH C.1
8	Depreciation	\$92,730	\$264,095	Exhibit 21, Sch C-1 Work Papers/[BGUOC 2020 Rate Case - Income Statement (Sewer).xlsx]Inc Statment - SCH C.1
9	Amortization of UPAA	\$0	\$0	Exhibit 21, Sch C-1 Work Papers/[BGUOC 2020 Rate Case - Income Statement (Sewer).xlsx]Inc Statment - SCH C.1
10	Amortization Expense	\$0	\$0	Exhibit 21, Sch C-1 Work Papers/[BGUOC 2020 Rate Case - Income Statement (Sewer).xlsx]Inc Statment - SCH C.1
11	State Income Taxes	\$0	\$0	Exhibit 21, Sch C-1 Work Papers/[BGUOC 2020 Rate Case - Income Statement (Sewer).xlsx]Inc Statment - SCH C.1
12	Federal Income Taxes	\$0	\$0	Exhibit 21, Sch C-1 Work Papers/[BGUOC 2020 Rate Case - Income Statement (Sewer).xlsx]Inc Statment - SCH C.1
13	General Taxes:	\$6,815	\$17,622	Exhibit 21, Sch C-1 Work Papers/[BGUOC 2020 Rate Case - Income Statement (Sewer).xlsx]Inc Statment - SCH C.1
14	<b>Total Deductions (Sum Lines 7 - 15):</b>	<b>\$1,429,137</b>	<b>\$2,331,140</b>	
15				
16	<b>Present Rate Operating Income (Line 4 - Line 16):</b>	<b>(\$723,836)</b>	<b>(\$1,176,152)</b>	
17				
18				
19				
20	<b>Revenue Requirement and Increase Comparison:</b>	<b>Base Period Ended 12/31/20</b>	<b>Forecast Period Ended 4/30/22</b>	<b>Support Schedule Reference</b>
21				<b>Excel Reference</b>
22	Net Original Cost Rate Base	\$3,447,390	\$6,907,546	Exhibit 21, Sch B Work Papers/Rate Base/[BGUOC 2020 Rate Case - Rate Base (Sewer).xlsx]BY Rate Base - Sewer
23	Rate of Return	10.65%	10.65%	Exhibit 21, Sch J Work Papers/[BGUOC Rate Case 2020 - Cost of Capital.xlsx]Cost of Capital - SCH J
24				
25	<b>Operating Income Required (Line 22 x Line 23):</b>	\$367,147	\$735,654	
26				
27	Less: Operating Income at Present Rates (Line 16):	(\$723,836)	(\$1,176,152)	
28				
29	<b>Increase in Operating Income Required (Line 25 - Line 27)</b>	<b>\$1,090,983</b>	<b>\$1,911,806</b>	
30				
31	<b>Gross Revenue Conversion Factor</b>	100.9591%	100.9591%	Exhibit 21, Sch H Work Papers/[BGUOC 2020 Rate Case - Revenue Requirement and Conversion Factor (Sewer).xlsx]Rev Conversion Factor - SCH H
32	<b>Operating Income Conversion Factor</b>	134.5225%	134.5225%	Exhibit 21, Sch H Work Papers/[BGUOC 2020 Rate Case - Revenue Requirement and Conversion Factor (Sewer).xlsx]Rev Conversion Factor - SCH H
33				
34	<b>Requested Revenue Increase (Line 25 x Line 32 + (Line 29-Line 25) x Line 31)</b>	<b>\$1,101,447</b>	<b>\$2,177,052</b>	
35				
36	<b>Percent Increase over Operating Revenue at Present Rates ((Line 34 + Line 4)/Line 4 -1):</b>	<b>156.17%</b>	<b>188.49%</b>	
37				
38	<b>Revenue Requirement (Line 4 + Line 34)</b>	<b>\$1,806,748</b>	<b>\$3,332,040</b>	
39				



**Bluegrass Water Utility Operating Company, LLC**  
**Case No. 2020-00290**  
**Computation of the Gross Revenue Conversion Factor for the Forecast Period**

Exhibit 21, Schedule H

Data:  Base Period  Forecast Period  
Version:  Original  Updated  Revised

Work Papers/[BGUOC 2020 Rate Case - Revenue Requirement and Conversion Factor (Sewer).xlsx]Rev Conversion Factor - SCH H

Witness: B. Thies

Line #	Gross Revenue Conversion Factor Calculation	Total Rate	Gross Revenue Conversion Factor %	Percent of Total Conversion Factor	Workpaper Reference	Excel Reference
1	Gross Income from Revenue		100.0000%			
2	Less: Bad Debt	0.7500%	0.7500%	2.9225%	W/P - CE7	BGUOC 2020 Rate Case - Schedule CE7
3	Less: PSC / Utility Reg Assessment Fee	0.2000%	0.2000%	0.7793%	W/P - CE6	BGUOC 2020 Rate Case - Schedule CE6
4	Net Income After Uncollectibles & Reg Assessment Fees		<u>99.0500%</u>			
5						
6						
7	Less: State Income Tax @ 5.0%	5.00%	4.9525%	19.2982%		
8	Net Income After Uncollectibles, Reg Assessment Fees & State Tax		<u>94.0975%</u>			
9						
10	Less: Federal income Tax @ 21%	21.00%	19.7605%	76.9999%		
11						
12	Net Income After Uncollectibles, Reg Assessment Fees, & State & Federal Income Taxes:		<u>74.3370%</u>	99.9999%		
13						
14	Gross Revenue Conversion Factor (1 / Line 4)		<u>100.9591%</u>			
15	Operating Income Conversion Factor (1/Line 12)		<u>134.5225%</u>			
16						
17						



**Bluegrass Water Utility Operating Company, LLC**  
**Case No. 2020-00290**  
**Jurisdictional Financial Summary for the Base and Forecast Period Detailing Derivation of the Requested Revenue Increase**

Exhibit 21, Schedule A

Data:  Base Period  Forecast Period  
Version:  Original  Updated  Revised

Work Papers/[BGUOC 2020 Rate Case - Revenue Requirement and Conversion Factor (Water).xlsx]Rev Requirement - SCH A  
Witness: B. Thies

Line #	Base Period Ended 12/31/20	Forecast Period Ended 4/30/22	Support Schedule Reference	Excel Reference
1				
2	<b>Present Rate Utility Operating Income:</b>			
3				
4	\$49,777	\$90,000	Exhibit 21, Sch C-1	Work Papers/[BGUOC 2020 Rate Case - Income Statement (Water).xlsx]Inc Statment - SCH C.1
5				
6	<b>Less: Deductions:</b>			
7	\$139,164	\$254,014	Exhibit 21, Sch C-1	Work Papers/[BGUOC 2020 Rate Case - Income Statement (Water).xlsx]Inc Statment - SCH C.1
8	8,049	31,941	Exhibit 21, Sch C-1	Work Papers/[BGUOC 2020 Rate Case - Income Statement (Water).xlsx]Inc Statment - SCH C.1
9	-	-	Exhibit 21, Sch C-1	Work Papers/[BGUOC 2020 Rate Case - Income Statement (Water).xlsx]Inc Statment - SCH C.1
10	-	-	Exhibit 21, Sch C-1	Work Papers/[BGUOC 2020 Rate Case - Income Statement (Water).xlsx]Inc Statment - SCH C.1
11	-	-	Exhibit 21, Sch C-1	Work Papers/[BGUOC 2020 Rate Case - Income Statement (Water).xlsx]Inc Statment - SCH C.1
12	-	-	Exhibit 21, Sch C-1	Work Papers/[BGUOC 2020 Rate Case - Income Statement (Water).xlsx]Inc Statment - SCH C.1
13	46	92	Exhibit 21, Sch C-1	Work Papers/[BGUOC 2020 Rate Case - Income Statement (Water).xlsx]Inc Statment - SCH C.1
14	<b>Total Deductions (Sum Lines 7 - 15):</b>	<b>\$147,260</b>		
15				
16	<b>Present Rate Operating Income (Line 4 - Line 16):</b>	<b>(\$97,482)</b>		
17				
18				
19				
20	<b>Base Period</b>	<b>Forecast Period</b>	<b>Support Schedule</b>	<b>Excel Reference</b>
21	<b>Ended 12/31/20</b>	<b>Ended 4/30/22</b>	<b>Reference</b>	
22				
23	\$790,717	\$968,960	Exhibit 21, Sch B	Work Papers/Rate Base/[BGUOC 2020 Rate Case - Rate Base (Water).xlsx]BY Rate Base - Water
24	10.65%	10.65%	Exhibit 21, Sch J	Work Papers/[BGUOC Rate Case 2020 - Cost of Capital.xlsx]Cost of Capital - SCH J
25	<b>Operating Income Required (Line 22 x Line 23):</b>	<b>\$84,211</b>		
26		\$103,194		
27	Less: Operating Income at Present Rates (Line 16):	(\$97,482)		
28		(\$196,047)		
29	<b>Increase in Operating Income Required (Line 25 - Line 27)</b>	<b>\$181,694</b>		
30		<b>\$299,242</b>		
31	<b>Gross Revenue Conversion Factor</b>	100.9591%	Exhibit 21, Sch H	Work Papers/[BGUOC 2020 Rate Case - Revenue Requirement and Conversion Factor (Water).xlsx]Rev Conversion Factor - SCH H
32	<b>Operating Income Conversion Factor</b>	134.5225%	Exhibit 21, Sch H	Work Papers/[BGUOC 2020 Rate Case - Revenue Requirement and Conversion Factor (Water).xlsx]Rev Conversion Factor - SCH H
33				
34	<b>Requested Revenue Increase (Line 25 x Line 32 + Line 29-Line 25 x Line 31)</b>	<b>\$183,436</b>		
35		<b>\$336,747</b>		
36	<b>Percent Increase over Operating Revenue at Present Rates</b>			
37	<b>((Line 34 + Line 4)/Line 4 -1):</b>	<b>368.51%</b>		
38		<b>374.16%</b>		
39	<b>Revenue Requirement (Line 4 + Line 35)</b>	<b>\$233,214</b>		
		<b>\$426,747</b>		

**Bluegrass Water Utility Operating Company, LLC**  
**Case No. 2020-00290**  
**Computation of the Gross Revenue Conversion Factor for the Forecast Period**

Exhibit 21, Schedule H

Data:  Base Period  Forecast Period  
Version:  Original  Updated  Revised

Work Papers/[BGUOC 2020 Rate Case - Revenue Requirement and Conversion Factor (Water).xlsx]Rev Conversion Factor - SCH H

Witness: B. Thies

Line #	Gross Revenue Conversion Factor Calculation	Total Rate	Gross Revenue Conversion Factor %	Percent of Total Conversion Factor	Workpaper Reference	Excel Reference
1	Gross Income from Revenue		100.0000%			
3	Less: Bad Debt	0.7500%	0.7500%	2.923%	W/P - CE7	BGUOC 2020 Rate Case - Schedule CE7
4	Less: PSC / Utility Reg Assessment Fee	0.2000%	0.2000%	0.779%	W/P - CE6	BGUOC 2020 Rate Case - Schedule CE6
5	Net Income After Uncollectibles & Reg Assessment Fees		<u>99.0500%</u>			
6						
7						
8	Less: State Income Tax @ 5.0%	5.00%	4.9525%	19.298%		
9	Net Income After Uncollectibles, Reg Assessment Fees & State Tax		<u>94.0975%</u>			
10						
11	Less: Federal income Tax @ 21%	21.00%	19.7605%	77.000%		
12	Net Income After Uncollectibles, Reg Assessment Fees, & State &					
13	Federal Income Taxes:		<u>74.3370%</u>	<u>100.000%</u>		
14						
15	Gross Revenue Conversion Factor (1 /Line 4)		<u>100.9591%</u>			
16	Gross Income Conversion Factor (1/Line 12)		<u>134.5225%</u>			



**Bluegrass Water Utility Operating Company, LLC**  
**Case No. 2020-00290**  
**Typical Bill Comparison**

Data:  Base Period  Forecast Period

Exhibit 21, Schedule N

Version:  Original  Updated  Revised

Work Papers/[BGUOC 2020 Rate Case - Schedule N - Rate Comparison.xlsx]Bill Comparison

Witness: B. Thies

Type of Charge	Service Area	Current Rates (per month)	Proposed Rates (per month)	Change Requested	
				\$	%
<b>Total Monthly Sewer – Single Residential per unit</b>					
	Airview Estates	\$41.36	\$96.14	\$54.78	132.5%
	Brocklyn Subdivision- Single Family	\$40.00	\$96.14	\$56.14	140.4%
	Fox Run Estates	\$55.85	\$96.14	\$40.29	72.1%
	Great Oaks Subdivision	\$28.84	\$96.14	\$67.30	233.4%
	Golden Acres Subdivision	\$39.57	\$96.14	\$56.57	143.0%
	Kingswood Development	\$38.84	\$96.14	\$57.30	147.5%
	Lake Columbia Estates	\$50.32	\$96.14	\$45.82	91.1%
	Longview and Homestead Subdivisions	\$30.00	\$96.14	\$66.14	220.5%
	Persimmon Ridge Subdivision	\$35.00	\$96.14	\$61.14	174.7%
	City of River Bluff and environs	\$58.16	\$96.14	\$37.98	65.3%
	Timberland Subdivision	\$34.71	\$96.14	\$61.43	177.0%
<b>Total Monthly Sewer – Multit Residential per unit</b>					
	Brocklyn Subdivision – Multi Family	\$30.40	\$72.11	\$41.71	137.2%
<b>Total Monthly Sewer Bill – Commercial</b>					
	TBD	\$0.00			
Flat Rate	Persimmon Ridge Subdivision	\$35.00 per residential equivalent of 12,000 gallons	\$240.36	\$205.36	234.7%
<b>Total Monthly Water Bill - Residential</b>					
	Center Ridge	\$22.79	\$105.84	\$83.05	364.4%

**Bluegrass Water Utility Operating Company, LLC**  
**Case No. 2020-00290**  
**Cost of Capital Summary**

Exhibit 21, Schedule J

**DATA:  BASE PERIOD  FORECAST PERIOD**  
**VERSION:  ORIGINAL  UPDATED  REVISED**

Work Papers/[BGUOC Rate Case 2020 - Cost of Capital.xlsx]Cost of Capital - SCH J

Witnesses: J. Nelson & D. D'Ascendis

Line Number	Class of Capital	% of Hypothetical Capital Structure	Net Carrying Amount	Cost Rate	Terminal Weighted Cost
1					
2	Long-Term Debt	50%		9.50%	4.75%
3					
4	Common Equity	50%		11.80%	5.90%
5					
6					
7	<b>Total Capital</b>	<b>100.00%</b>			<b>10.65%</b>
8					
9					
10					

**BLUEGRASS WATER UTILITY OPERATING COMPANY, LLC**

Case No. 2020-00290

Rate Base Summary

Base Year for the 12 Months ended December 31, 2020

Exhibit 21, Schedule B-1

**Data:** X Base Period \_ Forecast Period

Work Papers/Rate Base/[BGUOC 2020 Rate Case - Rate Base (Sewer).xlsx]BY Rate Base - Sewer B1

**Version:** X Original \_ Updated \_ Revised

Witness: B. Thies

Line No.	Rate Base Component	Supporting Reference Schedule	End of Period Amount
		Sewer	Sewer
1			
2	Utility Plant In Service	B-2	3,538,590
3			
4	Accumulated Depreciation	B-3	(1,104,380)
5			
6			
7	Net Utility Plant in Service		<u>2,434,211</u>
8			
9			
10	Construction Work In Progress	B-4	881,255
11			
12	Working Capital Allowance	B-5	\$166,199
13			
14	Contributions in Aid of Construction	B-6	(34,274)
15			
16			
17	Jurisdictional Rate Base		<u><u>3,447,390</u></u>
18			



**BLUEGRASS WATER UTILITY OPERATING COMPANY, LLC**

Case No. 2020-00290

Rate Base Summary

Forecast Year for the 12 Months ended April 30, 2022

Exhibit 21, Schedule B-1

**Data:** \_ Base Period X Forecast Period

Work Papers/Rate Base/[BGUOC 2020 Rate Case - Rate Base (Sewer).xlsx]FY Rate Base - Sewer B1

**Version:** X Original \_Updated \_Revised

Witness: B. Thies

Line No.	Rate Base Component	Supporting Reference Schedule	End of Period Amount	13 Mo. Forecasted Period Average
		Sewer	Sewer	Sewer
1				
2	Utility Plant In Service	B-2	10,135,290	8,438,874
3				
4	Accumulated Depreciation	B-3	(2,720,966)	(2,564,880)
5				
6				
7	Net Utility Plant in Service		<u>7,414,324</u>	<u>5,873,995</u>
8				
9				
10	Construction Work In Progress	B-4	-	877,758
11				
12	Working Capital Allowance	B-5	256,178	256,178
13				
14	Contributions in Aid of Construction	B-6	(87,144)	(100,385)
15				
16				
17	Jurisdictional Rate Base		<u><u>7,583,358</u></u>	<u><u>6,907,546</u></u>
18				

**BLUEGRASS WATER UTILITY OPERATING COMPANY, LLC**

Case No. 2020-00290

Plant in Service by Accounts with Gross Additions, Retirements & Transfers

Base Year for the 12 Months ended December 31, 2020

Exhibit 21, Schedule B-2

Data: X Base Period \_ Forecast Period

Work Papers/Rate Base/[BGUOC 2020 Rate Case - Rate Base (Sewer).xlsx]UPIS - BY B2

Version: X Original \_ Updated \_ Revised

Witness: B. Thies

Line No.	NARUC Acct. No.		Account Title	Base Period Beginning Balance	Additions	Retirements	Base Period Ending Balance
					Sewer	Sewer	Sewer
1							
2							
3	303		Miscellaneous Intangible Plant	3,700	-	-	3,700
4	310.1		Land and Land Rights	50,250	-	-	50,250
5	311		S&I Source of Supply	74,735	132,677	-	207,412
6	352.1		Collection Sewers Force Mains	-	1,384,812	-	1,384,812
7	352.2		Collection Sewers Gravity	621,064	-	-	621,064
8	363		Electric Sewer Pumping Equip	29,587	63,433	-	93,021
9	370		Land and Land Rights	10,757	-	-	10,757
10	372		Treatment & Disposal Equipment	407,215	-	-	407,215
11	373		Plant Sewers	192,288	386,592	-	578,880
12	375		Outfall Sewer Lines	-	4,756	-	4,756
13	391.1		Office Furn Equip (IT)	1,853	-	-	1,853
14	393		Communication Equipment	-	116,047	-	116,047
15							
16			<b>Total General</b>	<b>1,391,449</b>	<b>2,088,317</b>	<b>-</b>	<b>3,479,765</b>
17							
18	Various		Acquisitions	-	58,825	-	58,825
19							
20			<b>Total Utility Plant in Service</b>	<b>1,391,449</b>	<b>2,147,142</b>	<b>-</b>	<b>3,538,590</b>
21							



**BLUEGRASS WATER UTILITY OPERATING COMPANY, LLC**

Case No. 2020-00290

Accumulated Depreciation

Base Year for the 12 Months ended December 31, 2020

Exhibit 21, Schedule B-3

**Data:** X Base Period \_ Forecast Period

Work Papers/Rate Base/[BGUOC 2020 Rate Case - Rate Base (Sewer).xlsx]AccDep - BY B3

**Version:** X Original \_ Updated \_ Revised

Witness: B. Thies

Line No.	NARUC Acct. No.		Account Title	Base Period	Accumulated
				Plant Investment	Reserve Balances
				Sewer	Sewer
1					
2					
3	303		Miscellaneous Intangible Plant	3,700	-
4	310.1		Land and Land Rights	50,250	-
5	311		S&I Source of Supply	207,412	44,055
6	352.1		Collection Sewers Force Mains	1,384,812	12,322
7	352.2		Collection Sewers Gravity	621,064	483,581
8	363		Electric Sewer Pumping Equip	93,021	28,962
9	370		Land and Land Rights	10,757	-
10	372		Treatment & Disposal Equipment	407,215	354,211
11	373		Plant Sewers	578,880	175,120
12	375		Outfall Sewer Lines	4,756	48
13	391.1		Office Furn Equip (IT)	1,853	1,853
14	393		Communication Equipment	116,047	3,868
15					
16			<b>Total General</b>	<b>3,479,765</b>	<b>1,104,020</b>
17					
18	Various		Acquisitions	58,825	359
19					
20			<b>Total Accumulated Depreciation</b>	<b>3,538,590</b>	<b>1,104,380</b>
21					

**BLUEGRASS WATER UTILITY OPERATING COMPANY, LLC**

Case No. 2020-00290

Accumulated Depreciation

Forecast Year for the 12 Months ended April 30, 2022

Exhibit 21, Schedule B-3

**Data:** \_ Base Period X Forecast Period

Work Papers/Rate Base/[BGUOC 2020 Rate Case - Rate Base (Sewer).xlsx]AccDep - FY B3

**Version:** X Original \_Updated \_Revised

Witness: B. Thies

Line No.	NARUC		Forecast Period Plant Investment Sewer	Accumulated Reserve Balances Sewer	13 mo. Average Sewer
	Acct. No.	Account Title			
1					
2					
3	303	Miscellaneous Intangible Plant	3,700	-	-
4	310.1	Land and Land Rights	50,250	-	-
5	311	S&I Source of Supply	612,912	63,067	54,587
6	352.1	Collection Sewers Force Mains	1,883,507	57,634	39,646
7	352.2	Collection Sewers Gravity	966,564	507,429	498,006
8	363	Electric Sewer Pumping Equip	233,021	50,482	41,062
9	370	Land and Land Rights	10,757	-	-
10	372	Treatment & Disposal Equipment	2,872,715	469,432	416,194
11	373	Plant Sewers	1,043,580	199,228	188,419
12	375	Outfall Sewer Lines	33,756	761	424
13	391.1	Office Furn Equip (IT)	1,853	1,853	1,853
14	393	Communication Equipment	229,047	17,672	11,499
15					
16		<b>Total General</b>	<b>7,941,661</b>	<b>1,367,558</b>	<b>1,251,688</b>
17					
18	Various	Acquistions	2,193,629	1,353,408	1,313,191
19					
20		<b>Total Accumulated Depreciation</b>	<b>10,135,290</b>	<b>2,720,966</b>	<b>2,564,880</b>
21					











**BLUEGRASS WATER UTILITY OPERATING COMPANY, LLC**

Case No. 2020-00290

Working Capital

Base Year for the 12 Months ended December 31, 2020

Exhibit 21, Schedule B-5

**Data:** X Base Period \_ Forecast Period

Work Papers/Rate Base/[BGUOC 2020 Rate Case - Rate Base (Sewer).xlsx]WC - BY B5

**Version:** X Original \_ Updated \_ Revised

Witness: B. Thies

<b>Line No.</b>	<b>Description</b>	<b>Amount</b>	<b>Lead Days</b>	<b>Dollar Days</b>
1				
2				
3	Operating Expenses	\$1,329,592	45	\$166,199
4				
5	<b>Total Working Capital</b>	<b>\$1,329,592</b>	<b>45</b>	<b>\$166,199</b>
6				

**BLUEGRASS WATER UTILITY OPERATING COMPANY, LLC**

Case No. 2020-00290

Working Capital

Forecast Year for the 12 Months ended April 30, 2022

Exhibit 21, Schedule B-5

**Data:** \_ Base Period X Forecast Period

Work Papers/Rate Base/[BGUOC 2020 Rate Case - Rate Base (Sewer).xlsx]WC - FY B5

**Version:** X Original \_Updated \_Revised

Witness: B. Thies

<b>Line No.</b>	<b>Description</b>	<b>Amount</b>	<b>Lead Days</b>	<b>Dollar Days</b>
1				
2				
3	Operating Expenses	\$2,049,424	45	\$256,178
4				
5	<b>Total Working Capital</b>	<b>\$2,049,424</b>	<b>45</b>	<b>\$256,178</b>
6				

**BLUEGRASS WATER UTILITY OPERATING COMPANY, LLC**

Case No. 2020-00290

Contributions in Aid of Construction

Base Year for the 12 Months ended December 31, 2020

Exhibit 21, Schedule B-6

**Data:** X Base Period \_ Forecast Period Work Papers/Rate Base/[BGUOC 2020 Rate Case - Rate Base (Sewer).xlsx]CIAC - BY B6

**Version:** X Original \_Updated \_Revised

Witness: B. Thies

<b>NARUC</b>				
<b>Line</b>	<b>Acct.</b>		<b>Workpaper</b>	<b>Total Company</b>
<b>No.</b>	<b>No.</b>	<b>Account Title</b>	<b>Reference</b>	<b>Sewer</b>
1				
2				
3	271	Contributions in Aid of Construction	CIAC WP	34,274
4				
5				

**BLUEGRASS WATER UTILITY OPERATING COMPANY, LLC**

Case No. 2020-00290

Contributions in Aid of Construction

Forecast Year for the 12 Months ended April 30, 2022

Exhibit 21, Schedule B-6

**Data:** \_ Base Period X Forecast Period

Work Papers/Rate Base/[BGUOC 2020 Rate Case - Rate Base (Sewer).xlsx]CIAC - FY B6

**Version:** X Original \_Updated \_Revised

Witness: B. Thies

<b>NARUC</b>				
<b>Line</b>	<b>Acct.</b>		<b>Total Company</b>	<b>13 mo. Average</b>
<b>No.</b>	<b>No.</b>	<b>Account Title</b>	<b>Sewer</b>	<b>Sewer</b>
1				
2				
3	271	Contributions in Aid of Construction	87,144	100,385
4				
5				

**BLUEGRASS WATER UTILITY OPERATING COMPANY, LLC**

Case No. 2020-00290

Rate Base Summary

Base Year for the 12 Months ended December 31, 2020

Exhibit 21, Schedule B-1

**Data:** X Base Period \_ Forecast Period

Work Papers/Rate Base/[BGUOC 2020 Rate Case - Rate Base (Water).xlsx]BY Rate Base - Water B1

**Version:** X Original \_ Updated \_ Revised

Witness: B. Thies

Line No.	Rate Base Component	Supporting Reference Schedule	End of Period Amount
		Water	Water
1			
2	Utility Plant In Service	B-2	625,523
3			
4	Accumulated Depreciation	B-3	(231,348)
5			
6			
7	Net Utility Plant in Service		394,175
8			
9			
10	Construction Work In Progress	B-4	483,276
11			
12	Working Capital Allowance	B-5	18,155
13			
14	Contributions in Aid of Construction	B-6	(104,889)
15			
16			
17	Jurisdictional Rate Base		790,717
18			

**BLUEGRASS WATER UTILITY OPERATING COMPANY, LLC**

Case No. 2020-00290

Rate Base Summary

Forecast Year for the 12 Months ended April 30, 2022

Exhibit 21, Schedule B-1

**Data:** \_ Base Period X Forecast Period

Work Papers/Rate Base/[BGUOC 2020 Rate Case - Rate Base (Water).xlsx]FY Rate Base - Water B1

**Version:** X Original \_Updated \_Revised

Witness: B. Thies

Line No.	Rate Base Component	Supporting Reference Schedule	End of Period Amount	13 Mo. Forecated Period Average
		Water	Water	Water
1				
2	Utility Plant In Service	B-2	1,290,903	1,188,537
3				
4	Accumulated Depreciation	B-3	(288,248)	(263,430)
5				
6				
7	Net Utility Plant in Service		<u>1,002,655</u>	<u>925,106</u>
8				
9				
10	Construction Work In Progress	B-4	-	97,909
11				
12	Working Capital Allowance	B-5	35,266	35,266
13				
14	Contributions in Aid of Construction	B-6	(83,189)	(89,322)
15				
16				
17	Jurisdictional Rate Base		<u><u>954,732</u></u>	<u><u>968,960</u></u>
18				
19				

**BLUEGRASS WATER UTILITY OPERATING COMPANY, LLC**

Case No. 2020-00290

Utility Plant in Service Account Detail

Base Year for the 12 Months ended December 31, 2020

Exhibit 21, Schedule B-2

**Data:** X Base Period \_ Forecast Period

Work Papers/Rate Base/[BGUOC 2020 Rate Case - Rate Base (Water).xlsx]UPIS - BY B2

**Version:** X Original \_Updated \_Revised

Witness: B. Thies

Line No.	NARUC		Account Title	Base Period			Base Period Ending Balance
	Acct. No.			Beginning Balance	Additions	Retirements	
				Water	Water	Water	Water
1							
2							
3	303		Land & Land Rights	-	2,000	-	2,000
4	304		Structures & Improvements	-	61,081	-	61,081
5	307		Wells and Springs	-	16,110	-	16,110
6	311		Pumping Equipment	-	40,902	-	40,902
7	320		Water Treatment Equipment	-	30,710	-	30,710
8	330		Distribution Reservoirs & Standpipes	-	160,341	-	160,341
9	331		Transmission & Distribution Mains	-	291,621	-	291,621
10	333		Services	-	9,250	-	9,250
11	334		Meters & Meter Installations	-	8,412	-	8,412
12	340		Office Furniture & Equipment	-	4,795	-	4,795
13	348		Other Tangible Plant	-	300	-	300
14							





**BLUEGRASS WATER UTILITY OPERATING COMPANY, LLC**

Case No. 2020-00290

Accumulated Depreciation

Base Year for the 12 Months ended December 31, 2020

Exhibit 21, Schedule B-3

**Data:** X Base Period \_ Forecast Period

Work Papers/Rate Base/[BGUOC 2020 Rate Case - Rate Base (Water).xlsx]AccDep - BY B3

**Version:** X Original \_ Updated \_ Revised

Witness: B. Thies

Line No.	NARUC Acct. No.		Account Title	Base Period	Accumulated
				Plant Investment	Reserve Balances
				Water	Water
1					
2					
3	303		Land & Land Rights	2,000	-
4	304		Structures & Improvements	61,081	4,019
5	307		Wells and Springs	16,110	1,191
6	311		Pumping Equipment	40,902	40,067
7	320		Water Treatment Equipment	30,710	864
8	330		Distribution Reservoirs & Standpipes	160,341	49,911
9	331		Transmission & Distribution Mains	291,621	118,972
10	333		Services	9,250	4,095
11	334		Meters & Meter Installations	8,412	8,412
12	340		Office Furniture & Equipment	4,795	3,518
13	348		Other Tangible Plant	300	300
14					
15					
16	<b>Total Utility Plant In Service</b>			<b>625,523</b>	<b>231,348</b>
17					

**BLUEGRASS WATER UTILITY OPERATING COMPANY, LLC**

Case No. 2020-00290

Accumulated Depreciation

Forecast Year for the 12 Months ended April 30, 2022

Exhibit 21, Schedule B-3

Data: \_ Base Period X Forecast Period

Work Papers/Rate Base/[BGUOC 2020 Rate Case - Rate Base (Water).xlsx]AccDep - FY B3

Version: X Original \_Updated \_Revised

Witness: B. Thies

Line No.	NARUC		Forecast Period Plant Investment Water	Accumulated Reserve Balances Water	13 mo. Average Water
	Acct. No.	Account Title			
1					
2					
3	303	Land & Land Rights	2,000	-	-
4	304	Structures & Improvements	472,711	20,841	12,271
5	307	Wells and Springs	103,610	3,224	2,199
6	311	Pumping Equipment	40,902	40,953	40,717
7	320	Water Treatment Equipment	150,710	3,882	2,391
8	330	Distribution Reservoirs & Standpipes	206,591	75,529	65,229
9	331	Transmission & Distribution Mains	291,621	126,748	123,832
10	333	Services	9,250	4,712	4,481
11	334	Meters & Meter Installations	8,412	8,412	8,412
12	340	Office Furniture & Equipment	4,795	3,646	3,598
13	348	Other Tangible Plant	300	300	300
14					
15					
16	<b>Total Utility Plant In Service</b>		<b>1,290,903</b>	<b>288,248</b>	<b>263,430</b>
17					







**BLUEGRASS WATER UTILITY OPERATING COMPANY, LLC**

Case No. 2020-00290

Consturtion Work in Progress - Percent Complete  
Base Year for the 12 Months ended December 31, 2020

Exhibit 21, Schedule B-4

Data: \_ Base Period X Forecast Period  
Version: X Original \_Updated \_Revised

Work Papers/Rate Base/[BGUOC 2020 Rate Case - Rate Base (Water).xlsx]CWIP - FY B4  
Witness: B. Thies

Line No.	Project Name	Service Area/Type	Date			Original Budget Estimate	Current Budget Estimate	Total Estimated Project Expenditures
			Construction Began	Estimated Completion Date	% of Elapsed Time			
			Water	Water	Water	Water	Water	Water
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17						-	-	-
18						-	-	-

**BLUEGRASS WATER UTILITY OPERATING COMPANY, LLC**

Case No. 2020-00290

Working Capital

Base Year for the 12 Months ended December 31, 2020

Exhibit 21, Schedule B-5

**Data:** X Base Period \_ Forecast Period

Work Papers/Rate Base/[BGUOC 2020 Rate Case - Rate Base (Water).xlsx]WC - BY B5

**Version:** X Original \_ Updated \_ Revised

Witness: B. Thies

<b>Line No.</b>	<b>Description</b>	<b>Amount</b>	<b>Lead Days</b>	<b>Dollar Days</b>
1				
2				
3	Operating Expenses	\$147,260	45	\$18,407
4				
5	<b>Total Working Capital</b>	<b>\$147,260</b>	<b>45</b>	<b>\$18,407</b>
6				



**BLUEGRASS WATER UTILITY OPERATING COMPANY, LLC**

Case No. 2020-00290

Working Capital

Forecast Year for the 12 Months ended April 30, 2022

Exhibit 21, Schedule B-5

**Data:** \_ Base Period X Forecast Period

Work Papers/Rate Base/[BGUOC 2020 Rate Case - Rate Base (Water).xlsx]WC - FY B5

**Version:** X Original \_Updated \_Revised

Witness: B. Thies

<b>Line No.</b>	<b>Description</b>	<b>Amount</b>	<b>Lead Days</b>	<b>Dollar Days</b>
1				
2				
3	Operating Expenses	\$286,047	45	\$35,756
4				
5	<b>Total Working Capital</b>	<b>\$286,047</b>	<b>45</b>	<b>\$35,756</b>
6				

**BLUEGRASS WATER UTILITY OPERATING COMPANY, LLC**

Case No. 2020-00290

Contributions in Aid of Construction

Base Year for the 12 Months ended December 31, 2020

Exhibit 21, Schedule B-6

**Data:** X Base Period \_ Forecast Period    Work Papers/Rate Base/[BGUOC 2020 Rate Case - Rate Base (Water).xlsx]CIAC - BY B6

**Version:** X Original \_ Updated \_ Revised

Witness: B. Thies

<b>NARUC</b>				
<b>Line</b>	<b>Acct.</b>		<b>Workpaper</b>	<b>Total Company</b>
<b>No.</b>	<b>No.</b>	<b>Account Title</b>	<b>Reference</b>	<b>Sewer</b>
1				
2				
3	271	Contributions in Aid of Construction	CIAC WP	104,889
4				
5				

**BLUEGRASS WATER UTILITY OPERATING COMPANY, LLC**

Case No. 2020-00290

Accumulated Depreciation

Forecast Year for the 12 Months ended April 30, 2022

Exhibit 21, Schedule B-6

**Data:** \_ Base Period X Forecast Period

Work Papers/Rate Base/[BGUOC 2020 Rate Case - Rate Base (Water).xlsx]CIAC - FY B6

**Version:** X Original \_Updated \_Revised

Witness: B. Thies

<b>NARUC</b>						
<b>Line</b>	<b>Acct.</b>		<b>Workpaper</b>	<b>Total Company</b>	<b>13 mo. Average</b>	
<b>No.</b>	<b>No.</b>	<b>Account Title</b>	<b>Reference</b>	<b>Sewer</b>	<b>Sewer</b>	
1						
2						
3	271	Contributions in Aid of Construction	CIAC WP	83,189	89,322	
4						
5						