

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of

<i>Electronic</i> Application of Bluegrass)	
Water Utility Operating Company, LLC)	Case No. 2020-00290
for an Adjustment of Rates and Approval)	
of Construction)	

**Applicant’s Notice of Filing:
Actual Results for Calendar Year 2020 (entire base period)**

Applicant, Bluegrass Water Utility Operating Company, LLC (hereinafter “Bluegrass”), gives notice that it is filing herewith updated workbooks/spreadsheets presenting actual results for the entire base period (calendar year 2020), including for the months of the base period that were estimated in the initial submission of the Application on September 30, 2020. This updates the filings of (1) PDFs of print-outs, with a Notice of Filing and reference table, on September 30, 2020, and (2) Excel-format workbooks/spreadsheets in response to 1 PSC 01 on January 29, 2021. Bluegrass calls attention to two additions to the initial base year reporting and analysis:

- The customer count includes customers for the systems acquired pursuant to Commission approval in Case No. 2020-00028; these customers were inadvertently omitted from the analysis filed September 30, 2020, and from the revised Schedules M-1 and M-2 (sewer) filed November 19, 2021, with the Notice of Filing to Cure Deficiencies.
- Asset accounts have been added to the depreciation rate schedule (*see esp.* Schedule B-3.1 Water & Sewer); actual investments within CY 2020 included asset accounts that were not part of the analysis filed September 30, 2020.
- Expenses accounts have been added to the income statement schedule (*see esp.* Schedule C-2 Water & Sewer); actual investments within CY 2020 included asset accounts that were not part of the analysis filed September 30, 2020.

PDF print-outs of the base-year-actual Excel workbooks/spreadsheets (69 pages) are attached to this Notice and 27 Excel-format workbooks/spreadsheets are filed concurrently herewith.

Respectfully submitted,

/s/ Katherine K. Yunker

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ATTACHMENTS:

- | | |
|--|-------------------------------------|
| 01 Schedule SR1.pdf | 19 Rate Base (Sewer).pdf |
| 02 Schedule SE1.pdf | 20 Rate Base (Water).pdf |
| 03 Schedule SE2.pdf | 21 Income Statement (Sewer).pdf |
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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	\$706,733		\$706,733	
2					
3					
4	Adjustments:				
5	Annualize Partial Base Year Revenues		80,702		Workpaper 1
6	Revenues for System Acquisitions		399,096		Schedule ACQ-1
7					Add pro forma for 4 system additions
8					
9					
10					
11	Total Adjustments:		<u>\$479,798</u>	<u>\$479,798</u>	
12					
13					
14	Forecast Year at 4/30/2022			<u><u>\$1,186,531</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	\$601,632		\$601,632	
2					
3					
4	Adjustments:				
	Contract Operations - Annualize Partial Base				
5	Year Expenses		165,506		Workpaper 1
6	Expenditures for System Acquisitions		293,172		Schedule ACQ-1
7					
8					
9					
10					
11	Total Adjustments:		<u>\$458,678</u>	<u>\$458,678</u>	
12					
13					
14	Forecast Year at 4/30/2022			<u><u>\$1,060,310</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	\$190,047		\$190,047	
2					
3					
4	Adjustments:				
	Contract Operations - Annualize Partial				
5	Base Year Expenses		56,749		Workpaper 1
6	Expenditures for System Acquisitions		91,000		Schedule ACQ-1
7	Efficiency from System Improvements				
8					
9					
10					
11	Total Adjustments:		\$147,749	\$147,749	
12					
13					
14	Forecast Year at 4/30/2022			\$337,796	
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	\$85,136		\$85,136	
2					
3					
4	Adjustments:				
5	Annualize Partial Base Year Expenses		(48,128)		Workpaper 1
6	Expenditures for System Acquisitions		75,000		Schedule ACQ-1
7	Efficiency from System Improvements				
8					
9					
10					
11	Total Adjustments:		<u>\$26,872</u>	<u>\$26,872</u>	
12					
13					
14	Forecast Year at 4/30/2022			<u>\$112,008</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	\$49,555		\$49,555	
2					
3					
4	Adjustments:				
5	Annualize Partial Base Year Expenses		42,567		Workpaper 1
6					
7					
8					
9					
10					
11	Total Adjustments:		<u>\$42,567</u>	<u>\$42,567</u>	
12					
13					
14	Forecast Year at 4/30/2022			<u><u>\$92,122</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	Adjustments:				
	Contract Operations - Annualize Partial				
5	Base Year Expenses		52,515		Workpaper 1
6					
7					
8					
9					
10					
11	Total Adjustments:		\$52,515	\$52,515	
12					
13					
14	Forecast Year at 4/30/2022			\$144,048	
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
Base Year Adjustment Water Operating Expenses
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	\$13,549		\$13,549	
2					
3					
4	Adjustments:				
5	Annualize Partial Base Year Expenses		11,301		Workpaper 1
6					
7					
8					
9					
10					
11	Total Adjustments:		\$11,301	\$11,301	
12					
13					
14	Forecast Year at 4/30/2022			\$24,850	
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	\$3,052		\$3,052	
2					
3					
4	Adjustments:				
5	Annualize Partial Base Year Expenses		0		Workpaper 1
6					
7					
8					
9					
10					
11	Total Adjustments:		\$0	\$0	
12					
13					
14	Forecast Year at 4/30/2022			\$3,052	
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	\$3,404		\$3,404	
2					
3					
4	Adjustments:				
5	Annualize Partial Base Year Expenses		3,130		Workpaper 1
6	Expenditures for System Acquisitions		11,180		Schedule ACQ-1
7					
8					
9					
10					
11	Total Adjustments:		<u>\$14,310</u>	<u>\$14,310</u>	
12					
13					
14	Forecast Year at 4/30/2022			<u><u>\$17,714</u></u>	
15					

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	\$68,724		\$68,724	
2					
3					
4	Adjustments:				
5	Annualize Partial Base Year Expenses		3,079		Workpaper 1
6	Expenditures for System Acquisitions		11,904		Schedule ACQ-1
7					
8					
9					
10					
11	Total Adjustments:		<u>\$14,983</u>	<u>\$14,983</u>	
12					
13					
14	Forecast Year at 4/30/2022			<u><u>\$83,707</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	Adjustments:				
5	Annualize Partial Base Year Expenses		953		Workpaper 1
6	CSWR Forecasted Allocation		114,585		Workpaper 2
7					
8					
9					
10					
11	Total Adjustments:		\$115,538	\$115,538	
12					
13					
14	Forecast Year at 4/30/2022			\$335,961	
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	\$78,338		\$78,338	
2					
3					
4	Adjustments:				
5	Annualize Partial Base Year Expenses		9,184		Workpaper 1
6	Expenditures for System Acquisitions				Schedule ACQ-1
7					
8					
9					
10					
11	Total Adjustments:		\$9,184	\$9,184	
12					
13					
14	Forecast Year at 4/30/2022			\$87,522	
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	\$160,689		\$160,689	
2					
3					
4	Adjustments:				
5	Annualize Partial Base Year Expenses		(11,349)		Workpaper 1
6	Expenditures for System Acquisitions		20,000		Schedule ACQ-1
7					
8					
9					
10					
11	Total Adjustments:		\$8,651	\$8,651	
12					
13					
14	Forecast Year at 4/30/2022			\$169,340	
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	\$8,038		\$8,038	
2					
3					
4	Adjustments:				
5	Annualize Partial Base Year Expenses		0		Workpaper 1
6					
7					
8					
9					
10					
11	Total Adjustments:		\$0	\$0	
12					
13					
14	Forecast Year at 4/30/2022			\$8,038	
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)	\$5,763		\$5,763	
2					
3					
4	Adjustments:				
5					
6	Adjustment to annualize Sewer Exense		3,466		
7	Adjustment to annualize Water Expense		361		
8					
9					
10					
11	Total Adjustments:		\$3,827	\$3,827	
12					
13					
14	Forecast Year at 4/30/2022			\$9,590	
15					

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	Amount	Percent	Revenue	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%

Direct Labor	Amount	Percent	Overhead Allocation	Amount	Percent
Hillcrest	33,677	0.51%	Hillcrest	46,297	0.72%
Raccoon Creek	66,585	1.01%	Raccoon Creek	68,366	1.07%
Indian Hills	63,376	0.96%	Indian Hills	67,949	1.06%
Elm Hills	123,000	1.87%	Elm Hills	96,957	1.51%
Confluence Rivers	369,000	5.61%	Confluence Rivers	342,445	5.35%
Osage	54,000	0.82%	Osage	71,995	1.12%
Hayden's Place	21,000	0.32%	Hayden's Place	13,961	0.22%
St. Joseph's Glen	45,000	0.68%	St. Joseph's Glen	41,959	0.66%
Sebastian Lake	33,000	0.50%	Sebastian Lake	20,256	0.32%
Great River	732,000	11.13%	Great River	525,114	8.20%
Grasslands	954,000	14.50%	Grasslands	885,552	13.83%
Redbird	786,000	11.95%	Redbird	623,374	9.74%
Limestone	84,000	1.28%	Limestone	84,696	1.32%
Eagle Ridge	66,000	1.00%	Eagle Ridge	36,523	0.57%
Oak Hill	15,000	0.23%	Oak Hill	15,866	0.25%
AZ-CSWR	165,000	2.51%	AZ-CSWR	136,109	2.13%
Flushing Meadows	45,000	0.68%	Flushing Meadows	36,894	0.58%
Magnolia	2,556,000	38.86%	Magnolia	2,950,894	46.10%
Bluegrass	366,000	5.56%	Bluegrass	335,961	5.25%
	6,577,638	100.00%	Total Overhead Allocation	6,401,169	100.00%

CSWR Allocation	
Hillcrest	3,858
Raccoon Creek	5,697
Indian Hills	5,662
Elm Hills	8,080
Confluence Rivers	28,537
Osage	6,000
Hayden's Place	1,163
St. Joseph's Glen	3,497
Sebastian Lake	1,688
Great River	43,759
Grasslands	73,796
Redbird	51,948
Limestone	7,058
Eagle Ridge	3,044
Oak Hill	1,322
AZ-CSWR	11,342
Flushing Meadows	3,075
Magnolia	245,908
Bluegrass	27,997
Total	533,431

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

	Bluegrass Customers	Monthly OHA	Annual OHA
Sewer	2,321	24,456	293,476
Water	336	3,540	42,485
	2657	27,997	335,961

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 exp
	5,399,117

Utility Plant in Service	Amount	Percent	Revenue	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	Amount	Percent	Overhead Allocation	Amount	Percent	CSWR 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%	Total Overhead Allocation	5,399,117	100.00%	449,926

	Bluegrass C Monthly Of Annual OHA		
Sewer	1,825	15,579	186,952
Water	336	2,868	34,420
	2161	18,448	221,372

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	Present Rate Utility Operating Income:			
3				
4	<u>\$706,733</u>	<u>\$1,186,531</u>	Exhibit 21, Sch C-1	Work Papers/[BGUOC 2020 Rate Case - Income Statement (Sewer).xlsx]Inc Statment - SCH C.1
5				
6	Less: Deductions:			
7	\$1,374,533	\$2,120,753	Exhibit 21, Sch C-1	Work Papers/[BGUOC 2020 Rate Case - Income Statement (Sewer).xlsx]Inc Statment - SCH C.1
8	\$124,792	\$298,568	Exhibit 21, Sch C-1	Work Papers/[BGUOC 2020 Rate Case - Income Statement (Sewer).xlsx]Inc Statment - SCH C.1
9	\$0	\$0	Exhibit 21, Sch C-1	Work Papers/[BGUOC 2020 Rate Case - Income Statement (Sewer).xlsx]Inc Statment - SCH C.1
10	\$0	\$0	Exhibit 21, Sch C-1	Work Papers/[BGUOC 2020 Rate Case - Income Statement (Sewer).xlsx]Inc Statment - SCH C.1
11	\$0	\$0	Exhibit 21, Sch C-1	Work Papers/[BGUOC 2020 Rate Case - Income Statement (Sewer).xlsx]Inc Statment - SCH C.1
12	\$0	\$0	Exhibit 21, Sch C-1	Work Papers/[BGUOC 2020 Rate Case - Income Statement (Sewer).xlsx]Inc Statment - SCH C.1
13	\$3,358	\$17,622	Exhibit 21, Sch C-1	Work Papers/[BGUOC 2020 Rate Case - Income Statement (Sewer).xlsx]Inc Statment - SCH C.1
14	<u>Total Deductions (Sum Lines 7 - 15):</u>	<u>\$1,502,684</u>		
15				
16	<u>Present Rate Operating Income (Line 4 - Line 16):</u>	<u>(\$795,951)</u>		
17				
18				
19				
20	Base Period	Forecast Period	Support Schedule	Excel Reference
21	Ended 12/31/20	Ended 4/30/22	Reference	
22	\$3,964,664	\$7,452,986	Exhibit 21, Sch B	Work Papers/Rate Base/[BGUOC 2020 Rate Case - Rate Base (Sewer).xlsx]BY Rate Base - Sewer
23	<u>10.65%</u>	<u>10.65%</u>	Exhibit 21, Sch J	Work Papers/[BGUOC Rate Case 2020 - Cost of Capital.xlsx]Cost of Capital - SCH J
24				
25	<u>Operating Income Required (Line 22 x Line 23):</u>	<u>\$793,743</u>		
26				
27	<u>Less: Operating Income at Present Rates (Line 16):</u>	<u>(\$1,250,412)</u>		
28				
29	<u>Increase in Operating Income Required (Line 25 - Line 27)</u>	<u>\$2,044,155</u>		
30				
31	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	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	<u>Requested Revenue Increase (Line 25 x Line 32 + (Line 29-Line 25) x Line 31)</u>	<u>\$2,330,167</u>		
35				
36	<u>Percent Increase over Operating Revenue at Present Rates ((Line 34 + Line 4)/Line 4 -1):</u>	<u>174.02%</u>		
37				
38	<u>Revenue Requirement (Line 4 + Line 34)</u>	<u>\$3,516,698</u>		
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
Billing Analysis at Forecasted Base Year Revenue & Proposed Rates

Exhibit 21, Schedule M-1

DATA: _BASE PERIOD X FORECAST PERIOD Work Papers/[BGUOC 2020 Rate Case - Revenue Requirement and Conversion Factor (Sewer).xlsx]FY Billing Analysis - SCH M-1

VERSION: _ ORIGINAL X UPDATED X REVISED

Witness: B. Thies

Line Number	Service Area & Customer Type	Forecast Year Customer Count	Residential Customer Equivalent	Customer Equivalents	Forecast Year At Present Rates	Forecast Year Proposed Revenue	Forecast Year Proposed Monthly Rate	Percentage Increase
1								
2	Single Residential	2,201	1.00	2,201.00	\$850,720	\$2,521,406	\$95.46	196.38%
3	Multi Residential ¹	82	0.75	61.50	\$29,914	\$70,453	\$71.60	135.52%
4	Commercial (Flat) ²	4	2.50	10.00	\$1,440	\$11,456	\$238.66	695.54%
5	Commercial/Industrial (Metered)	34	N/A ³	N/A ³	\$308,175	\$913,384	\$2,238.69	196.38%
6								
7	Total	2,321			\$1,186,531	\$3,516,698		

8
9
10
11
12
13
14
15
16
17
18

¹ Multi Residential Rate based on current Brocklyn service area tariff of 75% residential equivalent for multi-tenant residential user.

² Commercial Rate based on 1" meter water use equivalency from AWWA that is the standard water meter size for commercial water users.

³ Percent increase on usage rate equivalent to revenue requirement increase using 2019 reported revenue 196.38%

Bluegrass Water Utility Operating Company, LLC
Case No. 2020-00290
Billing Analysis at Base Year Revenue & Proposed Rates

Exhibit 21, Schedule M-2

DATA: X BASE PERIOD _ FORECAST PERIOD
VERSION: _ ORIGINAL X UPDATED X REVISED

Work Papers/[BGUOC 2020 Rate Case - Revenue Requirement and Conversion Factor (Sewer).xlsx]BY Billing Analysis - SCH M-2

Witness: B. Thies

Line Number	Service Area & Customer Type	Base Year Customer Count	Residential Customer Equivalent	Customer Equivalent	Base Year At Present Rates	Forecast Year Proposed Revenue	Forecast Year Proposed Monthly Rate	Percentage Increase
1								
2	Single Residential	1,739	1.00	1,739.00	\$756,581	\$1,992,151	\$95.46	163.31%
3	Multi Residential ¹	82	0.75	61.50	\$29,914	\$52,840	\$71.60	76.64%
4	Commercial (Flat) ^{2 3}	4	2.50	10.00	\$940	\$28,639	\$238.66	2946.74%
5								
6	Total	1,825			\$787,435	\$2,073,630		
7								
8								
9								
10								
11								
12								

¹ Multi Residential Rate based on current Brocklyn service area tariff of 75% residential equivalent for multi-tenant residential user.

² Commercial Rate based on 1" meter water use equivalency from AWWA that is the standard water meter size for commercial water users.

³ Commercial/Industrial (Metered) Customers are omitted due to Delaplain service area not being acquired during Base Year

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 (Water).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	Present Rate Utility Operating Income:			
3				
4	\$49,555	\$92,122	Exhibit 21, Sch C-1	Work Papers/[BGUOC 2020 Rate Case - Income Statement (Water).xlsx]Inc Statment - SCH C.1
5				
6	Less: Deductions:			
7	\$152,391	\$255,468	Exhibit 21, Sch C-1	Work Papers/[BGUOC 2020 Rate Case - Income Statement (Water).xlsx]Inc Statment - SCH C.1
8	5,549	28,677	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	Total Deductions (Sum Lines 7 - 15):	\$157,985		
15				
16	Present Rate Operating Income (Line 4 - Line 16):	(\$108,430)		
17				
18				
19				
20	Base Period	Forecast Period	Support Schedule	Excel Reference
21	Ended 12/31/20	Ended 4/30/22	Reference	
22	\$570,895	\$1,050,249	Exhibit 21, Sch B	Work Papers/Rate Base/[BGUOC 2020 Rate Case - Rate Base (Water).xlsx]BY Rate Base - Water
23	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	Operating Income Required (Line 22 x Line 23):	\$60,800		
26				
27	Less: Operating Income at Present Rates (Line 16):	(\$108,430)		
28				
29	Increase in Operating Income Required (Line 25 - Line 27)	\$169,230		
30				
31	Gross Revenue Conversion Factor	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	Operating Income Conversion Factor	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	Requested Revenue Increase (Line 25 x Line 32 + Line 29-Line 25 x Line 31)	\$170,853		
35				
36	Percent Increase over Operating Revenue at Present Rates			
37	((Line 34 + Line 4)/Line 4 -1):	344.78%		
38	Revenue Requirement (Line 4 + Line 35)	\$220,409		
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
#REF!
Witness: B. Thies

Data: Base Period Forecast Period
Version: Original Updated Revised

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 & 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
Billing Analysis at Forecasted Base Year Revenue & Proposed Rates

Exhibit 21, Schedule M

DATA: BASE PERIOD FORECAST PERIOD Work Papers/[BGUOC 2020 Rate Case - Revenue Requirement and Conversion Factor (Water).xlsx]Billing Analysis - FY SCH M-1

VERSION: ORIGINAL UPDATED REVISED

Witness: B. Thies

Line Number	Service Area & Customer Type	Forecast Year Customer Count	Residential Customer Equivalent	Customer Equivalents	Forecast Year At Present Rates	Forecast Year Proposed Revenue	Forecast Year Proposed Monthly Rate	Forecast Year Percentage Increase
1								
2	Residential (Flat)	336	1.00	336.0	\$92,122	\$436,545	\$108.27	374%
3								
4								
5								
6								
7	Total	336		336		\$436,545		
8								
9								
10								
11								

Bluegrass Water Utility Operating Company, LLC
Case No. 2020-00290
Billing Analysis at Base Year Revenue & Proposed Rates

Exhibit 21, Schedule M-2

DATA: **BASE PERIOD** **FORECAST PERIOD** Work Papers/[BGUOC 2020 Rate Case - Revenue Requirement and Conversion Factor (Water).xlsx]Billing Analysis - BY SCH M-2

VERSION: **ORIGINAL** **UPDATED** **REVISED**

Witness: B. Thies

Line Number	Service Area & Customer Type	Base Year Customer Count	Residential Customer Equivalent	Customer Equivalents	Base Year At Present Rates	Forecast Year Proposed Revenue	Forecast Year Proposed Monthly Rate	Percentage Increase
1								
2	Residential (Flat)	336	1.00	336.0	\$92,122	\$436,545	\$108.27	374%
3								
4								
5								
6								
7	Total	336				\$436,545		
8								
9								
10								
11								

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: _ Original X 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	4,305,222
3			
4	Accumulated Depreciation	B-3	(1,356,295)
5			
6			
7	Net Utility Plant in Service		<u>2,948,927</u>
8			
9			
10	Construction Work In Progress	B-4	878,195
11			
12	Working Capital Allowance	B-5	171,817
13			
14	Contributions in Aid of Construction	B-6	(34,274)
15			
16			
17	Jurisdictional Rate Base		<u><u>3,964,664</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: _ Original X 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	10,939,251	8,147,202
3				
4	Accumulated Depreciation	B-3	(2,837,061)	(2,686,706)
5				
6				
7	Net Utility Plant in Service		<u>8,102,189</u>	<u>5,460,496</u>
8				
9				
10	Construction Work In Progress	B-4	-	1,827,781
11				
12	Working Capital Allowance	B-5	265,094	265,094
13				
14	Contributions in Aid of Construction	B-6	(87,144)	(100,385)
15				
16				
17	Jurisdictional Rate Base		<u><u>8,280,139</u></u>	<u><u>7,452,986</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: _ Original X 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		Misc Intangible	3,700	16,623	-	20,323
4	310.1		Land and Land Rights	50,250	90,684	-	140,934
5	311		Structures & Improvements	74,735	465,597	-	540,332
6	352.1		Collection Sewers Force Mains	-	1,192,380	-	1,192,380
7	352.2		Collection Sewers Gravity	621,064	63,924	-	684,988
8	353		Services/Other Plant Facilities	-	306,390	-	306,390
9	355		Flow Meter & Installation	-	3,880	-	3,880
10	363		Electric Sewer Pumping Equip	29,587	51,669	-	81,256
11	370		Land and Land Rights	10,757	36,336	-	47,093
12	370.1		Oxidation Lagoon Land	-	3,754	-	3,754
13	372		Treatment & Disposal Equipment	407,215	469,121	-	876,336
14	373		Plant Sewers	192,288	-	-	192,288
15	375		Outfall Sewer Lines	-	70,731	-	70,731
16	391		Office Furn Equip	-	2,440	-	2,440
17	391.1		Office Furn Equip	1,853	-	-	1,853
18	392		Transportation Equipment	-	7,900	-	7,900
19	393		Communication Equipment	-	117,357	-	117,357
20	396		Power Operated Equipment	-	14,987	-	14,987
23							
24			Total Utility Plant in Service	1,391,449	2,913,773	-	4,305,222
25							

BLUEGRASS WATER UTILITY OPERATING COMPANY, LLC

Case No. 2020-00290

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

Forecast Year for the 12 Months ended April 30, 2022

Exhibit 21, Schedule B-2

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

Data: _ Base Period X Forecast Period

Version: _ Original X Updated _ Revised

Witness: B. Thies

Line No.	NARUC		Account Title	Forecast Period			Forecast Period Ending Balance	13 Month Average
	Acct. No.			Beginning Balance	Additions	Retirements		
				Sewer	Sewer	Sewer		
1								
2								
3	303		Misc Intangible	20,323	-	-	20,323	20,323
4	310.1		Land and Land Rights	140,934	-	-	140,934	140,934
5	311		Structures & Improvements	540,972	395,042	-	936,014	702,497
6	352.1		Collection Sewers Force Mains	1,400,072	420,381	-	1,820,453	1,559,709
7	352.2		Collection Sewers Gravity	685,415	185,649	-	871,064	745,275
8	353		Services/Other Plant Facilities	306,390	-	-	306,390	306,390
9	355		Flow Meter & Installation	3,880	-	-	3,880	3,880
10	363		Electric Sewer Pumping Equip	81,469	120,650	-	202,119	128,523
11	370		Land and Land Rights	47,093	-	-	47,093	47,093
12	370.1		Oxidation Lagoon Land	3,754	-	-	3,754	3,754
13	372		Treatment & Disposal Equipment	960,852	2,922,515	-	3,883,366	2,038,316
14	373		Plant Sewers	193,141	375,917	-	569,058	315,705
15	375		Outfall Sewer Lines	70,731	-	-	70,731	70,731
16	391		Office Furn Equip	2,483	18,565	-	21,048	8,469
17	391.1		Office Furn Equip	1,853	-	-	1,853	1,853
18	392		Transportation Equipment	7,900	-	-	7,900	7,900
19	393		Communication Equipment	117,527	74,260	-	191,787	141,472
20	396		Power Operated Equipment	14,987	-	-	14,987	14,987
21								
22			Total General	4,599,776	4,420,152	-	8,804,447	6,012,398
23								
24	Various		Acquisitions	2,134,804	-	-	2,134,804	2,134,804
25								
26			Total Utility Plant in Service	6,734,580	4,420,152	-	10,939,251	8,147,202
27								

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: _ Original X Updated _ Revised

Witness: B. Thies

Line No.	NARUC		Base Period	Accumulated
	Acct. No.	Account Title	Plant Investment Sewer	Reserve Balances Sewer
1				
2				
3	303	Misc Intangible	20,323	-
4	310.1	Land and Land Rights	140,934	-
5	311	Structures & Improvements	540,332	84,076
6	352.1	Collection Sewers Force Mains	1,192,380	17,793
7	352.2	Collection Sewers Gravity	684,988	480,014
8	353	Services/Other Plant Facilities	306,390	142,433
9	355	Flow Meter & Installation	3,880	9
10	363	Electric Sewer Pumping Equip	81,256	27,298
11	370	Land and Land Rights	47,093	-
12	370.1	Oxidation Lagoon Land	3,754	-
13	372	Treatment & Disposal Equipment	876,336	348,695
14	373	Plant Sewers	192,288	169,973
15	375	Outfall Sewer Lines	70,731	53,778
16	391	Office Furn Equip	2,440	1,142
17	391.1	Office Furn Equip	1,853	1,853
18	392	Transportation Equipment	7,900	7,645
19	393	Communication Equipment	117,357	6,600
20	396	Power Operated Equipment	14,987	14,987
21				
22		Total Accumulated Depreciation	4,305,222	1,356,295
23				

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: _ Original X Updated _ Revised

Witness: B. Thies

Line No.	NARUC		Account Title	Forecast Period	Accumulated	13 mo. Average
	Acct. No.			Plant Investment	Reserve Balances	
				Sewer	Sewer	Sewer
1						
2						
3	303		Misc Intangible	20,323	-	-
4	310.1		Land and Land Rights	140,934	-	-
5	311		Structures & Improvements	936,014	116,937	102,576
6	352.1		Collection Sewers Force Mains	1,820,453	58,305	41,883
7	352.2		Collection Sewers Gravity	871,064	499,588	491,796
8	353		Services/Other Plant Facilities	306,390	150,604	147,540
9	355		Flow Meter & Installation	3,880	179	115
10	363		Electric Sewer Pumping Equip	202,119	43,256	35,625
11	370		Land and Land Rights	47,093	-	-
12	370.1		Oxidation Lagoon Land	3,754	-	-
13	372		Treatment & Disposal Equipment	3,883,366	470,432	405,175
14	373		Plant Sewers	569,058	179,728	174,918
15	375		Outfall Sewer Lines	70,731	55,664	54,957
16	391		Office Furn Equip	21,048	1,631	1,335
17	391.1		Office Furn Equip	1,853	1,853	1,853
18	392		Transportation Equipment	7,900	7,902	7,902
19	393		Communication Equipment	191,787	18,775	13,606
20	396		Power Operated Equipment	14,987	14,987	14,987
21						
22			Total General	8,804,447	1,519,030	1,399,629
23						
24	Various		Acquisitions	2,134,804	1,318,032	1,287,077
25						
26			Total Accumulated Depreciation	10,939,251	2,837,061	2,686,706
27						

BLUEGRASS WATER UTILITY OPERATING COMPANY, LLC

Case No. 2020-00290

Depreciation Accrual Rates and Accumulated Balances by Account

Base Year for the 12 Months ended December 31, 2020

Exhibit 21, Schedule B-3.1

Work Papers/Rate Base/[BGUOC 2020 Rate Case - Rate Base (Sewer).xlsx]Dep - BY B3.1

Data: X Base Period _ Forecast Period

Version: _ Original X Updated _ Revised

Witness: B. Thies

Line No.	NARUC		Plant Investment Sewer	Accumulated Reserve Sewer	Current Accrual Rate Sewer	Calculated Depreciation Expense Sewer	Net Salvage Sewer	Average Service Life Sewer
	Acct. No.	Account Title						
1								
2								
3	303	Misc Intangible	20,323	-	-			
4	310.1	Land and Land Rights	140,934	-	-			
5	311	Structures & Improvements	540,332	84,076	3.67%	19,812	-10%	30
6	352.1	Collection Sewers Force Mains	1,192,380	17,793	2.00%	23,848	0%	50
7	352.2	Collection Sewers Gravity	684,988	480,014	2.00%	13,700	0%	50
8	353	Services/Other Plant Facilities	306,390	142,433	2.00%	6,128	0%	10
9	355	Flow Meter & Installation	3,880	9	3.30%	128		
10	363	Electric Sewer Pumping Equip	81,256	27,298	10.00%	8,126	-10%	22
11	370	Land and Land Rights	47,093	-	0.00%	-	0%	40
12	370.1	Oxidation Lagoon Land	3,754	-	0.00%	-	0%	50
13	372	Treatment & Disposal Equipment	876,336	348,695	5.00%	43,817	0%	20
14	373	Plant Sewers	192,288	169,973	2.50%	4,807	0%	15
15	375	Outfall Sewer Lines	70,731	53,778	2.00%	1,415	0%	50
16	391	Office Furn Equip	2,440	1,142	5.00%	122	0%	20
17	391.1	Office Furn Equip	1,853	1,853	5.00%	93	0%	20
18	392	Transportation Equipment	7,900	7,645	13.00%	1,027	0%	7.7
19	393	Communication Equipment	117,357	6,600	6.67%	7,824	0%	15
20	396	Power Operated Equipment	14,987	14,987	6.67%	999	0%	15
21								
22		Total Depreciable Property	4,305,222	1,356,295		131,844		
23								

BLUEGRASS WATER UTILITY OPERATING COMPANY, LLC

Case No. 2020-00290

Depreciation Accrual Rates and Accumulated Balances by Account

Forecast Year for the 12 Months ended April 30, 2022

Exhibit 21, Schedule B-3.1

Work Papers/Rate Base/[BGUOC 2020 Rate Case - Rate Base (Sewer).xlsx]Dep - FY B3.1

Data: _ Base Period X Forecast Period

Version: _ Original X Updated _ Revised

Witness: B. Thies

Line No.	NARUC		Account Title	Accumulated		Current Accrual Rate	Calculated Depreciation Expense	Average Service Life	
	Acct. No.			Plant Investment	Reserve			Net Salvage	Life
			Sewer	Sewer		Sewer	Sewer	Sewer	Sewer
1									
2									
3	303		Misc Intangible	20,323	-	-			
4	310.1		Land and Land Rights	140,934	-	-			
5	311		Structures & Improvements	936,014	116,937	3.67%	34,321	-10%	30
6	352.1		Collection Sewers Force Mains	1,820,453	58,305	2.00%	36,409	0%	50
7	352.2		Collection Sewers Gravity	871,064	499,588	2.00%	17,421	0%	50
8	353		Services/Other Plant Facilities	306,390	150,604	2.00%	6,128	0%	10
9	355		Flow Meter & Installation	3,880	179	3.30%	128		
10	363		Electric Sewer Pumping Equip	202,119	43,256	10.00%	20,212	-10%	22
11	370		Land and Land Rights	47,093	-	0.00%	-	0%	40
12	370.1		Oxidation Lagoon Land	3,754	-	0.00%	-	0%	50
13	372		Treatment & Disposal Equipment	3,883,366	470,432	5.00%	194,168	0%	20
14	373		Plant Sewers	569,058	179,728	2.50%	14,226	0%	15
15	375		Outfall Sewer Lines	70,731	55,664	2.00%	1,415	0%	50
16	391		Office Furn Equip	21,048	1,631	5.00%	1,052	0%	20
17	391.1		Office Furn Equip	1,853	1,853	5.00%	93	0%	20
18	392		Transportation Equipment	7,900	7,902	13.00%	1,027	0%	7.7
19	393		Communication Equipment	191,787	18,775	6.67%	12,786	0%	15
20	396		Power Operated Equipment	14,987	14,987	6.67%	999	0%	15
21									
22	Various		Acquisitions	2,134,804	1,318,032	2.90%	61,909		Median Depreciation Rate Used
23									
24			Total Depreciable Property	8,804,447	1,519,030		323,013		
25									

BLUEGRASS WATER UTILITY OPERATING COMPANY, LLC

Case No. 2020-00290

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

Exhibit 21, Schedule B-4

Work Papers/Rate Base/[BGUOC 2020 Rate Case - Rate Base (Sewer).xlsx]CWIP - BY B4

Data: X Base Period _ Forecast Period
Version: _ Original X Updated _ Revised

Witness: B. Thies

Line No.	Project Name	Service Area/Type	Date	Estimated	% of Elapsed Time	Original Budget	Current Budget	Total Estimated
			Construction Began	Completion Date		Estimate	Estimate	Project Expenditures
			Sewer	Sewer	Sewer	Sewer	Sewer	Sewer
1								
2	Plant Rehabilitation & Flow Equalization	Airview - Wastewater	Sep-20	Sep-21	25.1%	230,000	230,000	52,220
3	Total Plant Replacement With MBBR Plant	Brocklyn - Wastewater	Sep-20	Dec-21	20.1%	650,000	650,000	74,298
4	Plant Rehabilitation With Flow Equalization & Sludge Holding	Fox Run - Wastewater	Sep-20	Sep-21	25.1%	105,000	105,000	85,412
5	Final Plant Rehabilitation	Kingswood - Wastewater	Sep-20	Sep-21	25.1%	15,000	15,000	20,786
6	Flow Equalization & Final Plant Rehabilitation	Lake Columbia - Wastewater	Sep-20	Sep-21	25.1%	155,000	155,000	20,427
7	Final Plant Rehabilitation	LH Treatment - Wastewater	Sep-20	Jan-21	87.8%	36,500	36,500	37,816
8	Plant Rehabilitation With Flow Equalization & Sludge Digester	Golden Acres - Wastewater	Sep-20	Sep-21	25.1%	136,500	136,500	51,451
9	Plant Rehabilitation & Sludge Digester Replacement	Great Oaks - Wastewater	Sep-20	Sep-21	25.1%	46,000	46,000	31,113
10	Plant Rehabilitation	River Bluffs - Wastewater	May-20	Sep-21	47.2%	145,500	145,500	307,830
11	Plant Rehabilitation With MBBR & New Digester	Timberland - Wastewater	Sep-20	Sep-21	25.1%	205,000	205,000	196,842
12	System Maintenance	Persimmon Ridge - Wastewater	Sep-20	Mar-21	0.0%	-	-	124,392
13	Initial System Rehabilitation	Arcadia Pines - Wastewater	Nov-20	Sep-21	10.2%	45,000	45,000	15,628
14	Initial System Rehabilitation	Carriage Park - Wastewater	Nov-20	Sep-21	10.2%	100,000	100,000	11,312
15	Initial System Rehabilitation	Marshall Ridge - Wastewater	Nov-20	Sep-21	10.2%	65,000	65,000	10,538
16	Initial System Rehabilitation	Randview - Wastewater	Nov-20	Sep-21	10.2%	256,500	256,500	17,627
17								
18								
19						2,191,000	2,191,000	878,195
20								
18								
19								

BLUEGRASS WATER UTILITY OPERATING COMPANY, LLC

Case No. 2020-00290

Consturtion Work in Progress - Percent Complete
Forecast Year for the 12 Months ended April 30, 2022

Exhibit 21, Schedule B-4

Work Papers/Rate Base/[BGUOC 2020 Rate Case - Rate Base (Sewer).xlsx]CWIP - FY B4

Data: _ Base Period X Forecast Period
Version: _ Original X Updated _ Revised

Witness: B. Thies

Line No.	Project Name	Service Area/Type	Date		% of Elapsed Time	Original Budget Estimate	Current Budget Estimate	Total Estimated Project Expenditures
			Construction Began	Estimated Completion Date				
			Sewer	Sewer	Sewer	Sewer	Sewer	Sewer
1								
2	Plant Expansion & System Rehabilitation	Delaplain - Wastewater	Feb-21	Apr-22	100.0%	897,000	897,000	897,000
3	MBBR Addition & System Rehabilitation	Herrington Haven - Wastewater	Feb-21	Apr-22	100.0%	172,200	172,200	172,200
4	System Rehabilitation	SpringCrest - Wastewater	Feb-21	Apr-22	100.0%	76,000	76,000	76,000
5	MBBR Conversion & System Rehabilitation	Woodland Acres - Wastewater	Mar-21	Apr-22	100.0%	375,500	375,500	375,500
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17						1,520,700	1,520,700	1,520,700
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 (Sewer).xlsx]WC - BY B5

Version: _ Original X Updated _ Revised

Witness: B. Thies

Line No.	Description	Amount	Lead Days	Dollar Days
1				
2				
3	Operating Expenses	\$1,374,533	45	\$171,817
4				
5	Total Working Capital	\$1,374,533	45	\$171,817
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: _ Original X Updated _ Revised

Witness: B. Thies

Line No.	Description	Amount	Lead Days	Dollar Days
1				
2				
3	Operating Expenses	\$2,120,753	45	\$265,094
4				
5	Total Working Capital	\$2,120,753	45	\$265,094
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: _ Original X Updated _ Revised

Witness: B. Thies

NARUC				
Line	Acct.		Workpaper	Total Company
No.	No.	Account Title	Reference	Sewer
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: _ Original X Updated _ Revised

Witness: B. Thies

NARUC				
Line	Acct.		Total Company	13 mo. Average
No.	No.	Account Title	Sewer	Sewer
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: _ 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		679,095
3			
4	Accumulated Depreciation		(230,831)
5			
6			
7	Net Utility Plant in Service		<u>448,264</u>
8			
9			
10	Construction Work In Progress		208,043
11			
12	Working Capital Allowance		19,478
13			
14	Contributions in Aid of Construction		(104,889)
15			
16			
17	Jurisdictional Rate Base		<u><u>570,895</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 (Water).xlsx]FY Rate Base - Water B1

Version: _ Original X Updated _ Revised

Witness: B. Thies

Line No.	Rate Base Component	Supporting Reference Schedule	End of Period Amount	13 Mo. Forecasted Period Average
		Water	Water	Water
1				
2	Utility Plant In Service		1,430,996	1,171,520
3				
4	Accumulated Depreciation		(277,971)	(256,283)
5				
6				
7	Net Utility Plant in Service		<u>1,153,024</u>	<u>915,237</u>
8				
9				
10	Construction Work In Progress		-	189,290
11				
12	Working Capital Allowance		35,043	35,043
13				
14	Contributions in Aid of Construction		(83,189)	(89,322)
15				
16				
17	Jurisdictional Rate Base		<u><u>1,104,878</u></u>	<u><u>1,050,249</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: _ 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	303.1		Land & Land Rights	-	2,000	-	2,000
4	304		Structures & Improvements	-	153,583	-	153,583
5	307		Wells and Springs	-	1,110	-	1,110
6	311.1		Pumping Equipment	-	40,412	-	40,412
7	320		Water Treatment Equipment	-	10,624	-	10,624
8	330		Distribution Reservoirs & Standpipes	-	54,530	-	54,530
9	331		Transmission & Distribution Mains	-	320,215	-	320,215
10	333		Services	-	15,008	-	15,008
11	334		Meters & Meter Installations	-	8,412	-	8,412
12	340		Office Furniture & Equipment	-	4,795	-	4,795
13	346		Communication Equipment	-	68,106	-	68,106
14	348		Other Tangible Plant	-	300	-	300
15							
16			Total Utility Plant in Service	-	679,095	-	679,095
17							

BLUEGRASS WATER UTILITY OPERATING COMPANY, LLC

Case No. 2020-00290

Utility Plant in Service Account Detail

Forecast Year for the 12 Months ended April 30, 2022

Exhibit 21, Schedule B-2

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

Data: _ Base Period X Forecast Period
Version: _ Original X Updated _ Revised

Witness: B. Thies

Line No.	NARUC		Account Title	Forecast Period			Forecast Period Ending Balance	13 Month Average
	Acct. No.			Beginning Balance	Additions	Retirements		
				Water	Water	Water		
1								
2								
3	303.1		Land & Land Rights	2,000	-	-	2,000	2,000
4	304		Structures & Improvements	153,583	353,508	-	507,091	371,126
5	307		Wells and Springs	1,110	54,386	-	55,496	34,578
6	311.1		Pumping Equipment	40,412	-	-	40,412	40,412
7	320		Water Treatment Equipment	10,624	142,415	-	153,039	98,264
8	330		Distribution Reservoirs & Standpipes	54,530	27,193	-	81,723	71,264
9	331		Transmission & Distribution Mains	397,479	97,135	-	494,615	457,255
10	333		Services	15,008	-	-	15,008	15,008
11	334		Meters & Meter Installations	8,412	-	-	8,412	8,412
12	340		Office Furniture & Equipment	4,795	-	-	4,795	4,795
13	346		Communication Equipment	68,106	-	-	68,106	68,106
14	348		Other Tangible Plant	300	-	-	300	300
15								
16			Total Utility Plant in Service	756,359	674,636	-	1,430,996	1,171,520
17								

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: _ Original X Updated _ Revised

Witness: B. Thies

Line No.	NARUC Acct. No.		Account Title	Base Period	Accumulated
				Plant Investment	Reserve Balances
				Water	Water
1					
2					
3	303.1		Land & Land Rights	2,000	-
4	304		Structures & Improvements	153,583	2,991
5	307		Wells and Springs	1,110	1,110
6	311.1		Pumping Equipment	40,412	40,412
7	320		Water Treatment Equipment	10,624	710
8	330		Distribution Reservoirs & Standpipes	54,530	47,169
9	331		Transmission & Distribution Mains	320,215	122,093
10	333		Services	15,008	4,062
11	334		Meters & Meter Installations	8,412	8,412
12	340		Office Furniture & Equipment	4,795	3,573
13	346		Communication Equipment	68,106	-
14	348		Other Tangible Plant	300	300
15					
16			Total Accumulated Depreciation	679,095	230,831
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: Original Updated Revised

Witness: B. Thies

Line No.	NARUC		Forecast Period	Accumulated	
	Acct. No.	Account Title	Plant Investment	Reserve Balances	13 mo. Average
			Water	Water	Water
1					
2					
3	303.1	Land & Land Rights	2,000	-	-
4	304	Structures & Improvements	507,091	19,141	10,675
5	307	Wells and Springs	55,496	1,757	1,309
6	311.1	Pumping Equipment	40,412	40,412	40,412
7	320	Water Treatment Equipment	153,039	2,892	1,544
8	330	Distribution Reservoirs & Standpipes	81,723	56,253	52,341
9	331	Transmission & Distribution Mains	494,615	133,987	129,166
10	333	Services	15,008	5,062	4,687
11	334	Meters & Meter Installations	8,412	8,412	8,412
12	340	Office Furniture & Equipment	4,795	3,701	3,653
13	346	Communication Equipment	68,106	6,054	3,784
14	348	Other Tangible Plant	300	300	300
15					
16		Total Accumulated Depreciation	1,430,996	277,971	256,283
17					

BLUEGRASS WATER UTILITY OPERATING COMPANY, LLC

Case No. 2020-00290

Depreciation Accrual Rates and Accumulated Balances by Account

Base Year for the 12 Months ended December 31, 2020

Exhibit 21, Schedule B-3.1

Work Papers/Rate Base/[BGUOC 2020 Rate Case - Rate Base (Water).xlsx]Dep - BY B3.1

Data: X Base Period _ Forecast Period
Version: _ Original X Updated _ Revised

Witness: B. Thies

Line No.	NARUC		Plant Investment Water	Accumulated Reserve Water	Current Accrual Rate Water	Calculated Depreciation Expense Water	Average Service	
	Acct. No.	Account Title					Net Salvage Water	Life Water
1								
2								
3	303.1	Land & Land Rights	2,000	-				
4	304	Structures & Improvements	153,583	2,991	3.67%	5,631	-10%	30
5	307	Wells and Springs	1,110	1,110	2.00%	22	0%	50
6	311.1	Pumping Equipment	40,412	40,412	2.00%	808	0%	50
7	320	Water Treatment Equipment	10,624	710	2.00%	212	0%	50
8	330	Distribution Reservoirs & Standpipes	54,530	47,169	10.00%	5,453	0%	10
9	331	Transmission & Distribution Mains	320,215	122,093	2.00%	6,404	0%	50
10	333	Services	15,008	4,062	5.00%	750	-10%	22
11	334	Meters & Meter Installations	8,412	8,412	2.50%	210	0%	40
12	340	Office Furniture & Equipment	4,795	3,573	2.00%	96	0%	50
13	346	Communication Equipment	68,106	-	6.67%	4,540	0%	15
14	348	Other Tangible Plant	300	300	5.00%	15	0%	20
15								
16		Total Depreciable Property	679,095	230,831		24,144		
17								

BLUEGRASS WATER UTILITY OPERATING COMPANY, LLC

Case No. 2020-00290

Depreciation Accrual Rates and Accumulated Balances by Account

Forecast Year for the 12 Months ended April 30, 2022

Exhibit 21, Schedule B-3.1

Data: _ Base Period X Forecast Period

Version: _ Original X Updated _ Revised

Work Papers/Rate Base/[BGUOC 2020 Rate Case - Rate Base (Water).xlsx]Dep - FY B3.1

Witness: B. Thies

Line No.	NARUC		Plant Investment Water	Accumulated Reserve Water	Current Accrual Rate Water	Calculated Depreciation Expense Water	Average Service	
	Acct. No.	Account Title					Net Salvage Water	Life Water
1								
2								
3	303.1	Land & Land Rights	2,000	-				
4	304	Structures & Improvements	507,091	19,141	3.67%	18,593	-10%	30
5	307	Wells and Springs	55,496	1,757	2.00%	1,110	0%	50
6	311.1	Pumping Equipment	40,412	40,412	2.00%	808	0%	50
7	320	Water Treatment Equipment	153,039	2,892	2.00%	3,061	0%	50
8	330	Distribution Reservoirs & Standpipes	81,723	56,253	10.00%	8,172	0%	10
9	331	Transmission & Distribution Mains	494,615	133,987	2.00%	9,892	0%	50
10	333	Services	15,008	5,062	5.00%	750	-10%	22
11	334	Meters & Meter Installations	8,412	8,412	2.50%	210	0%	40
12	340	Office Furniture & Equipment	4,795	3,701	2.00%	96	0%	50
13	346	Communication Equipment	68,106	6,054	6.67%	4,540	0%	15
14	348	Other Tangible Plant	300	300	5.00%	15	0%	20
15								
16		Total Depreciable Property	1,430,996	277,971		47,249		
17								

BLUEGRASS WATER UTILITY OPERATING COMPANY, LLC

Case No. 2020-00290

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

Exhibit 21, Schedule B-4

Data: X Base Period _ Forecast Period
Version: _ Original X Updated _ Revised

Work Papers/Rate Base/[BGUOC 2020 Rate Case - Rate Base (Water).xlsx]CWIP - BY 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	System & Well Rehabilitation	Center Ridge WD01 - Water	Jun-20	Sep-21	43.8%	164,050	164,050	150,595
4	System & Well Rehabilitation	Center Ridge WD02 - Water	Jun-20	Sep-21	43.8%	261,500	261,500	15,917
5	System & Well Rehabilitation	Center Ridge WD03 - Water	Jun-20	Sep-21	43.8%	239,280	239,280	21,498
6	System & Well Rehabilitation	Center Ridge WD04 - Water	Jun-20	Sep-21	43.8%	161,050	161,050	20,032
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17						825,880	825,880	208,043
18								

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: _ Original X 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: _ Original X Updated _ Revised

Witness: B. Thies

Line No.	Description	Amount	Lead Days	Dollar Days
1				
2				
3	Operating Expenses	\$157,985	45	\$19,748
4				
5	Total Working Capital	\$157,985	45	\$19,748
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: _ Original X Updated _ Revised

Witness: B. Thies

Line No.	Description	Amount	Lead Days	Dollar Days
1				
2				
3	Operating Expenses	\$284,237	45	\$35,530
4				
5	Total Working Capital	\$284,237	45	\$35,530
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: _ Original X Updated _ Revised

Witness: B. Thies

NARUC				
Line	Acct.		Workpaper	Total Company
No.	No.	Account Title	Reference	Sewer
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: _ Original X Updated _ Revised

Witness: B. Thies

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

Bluegrass Water Utility Operating Company, LLC
Case No. 2020-00290
Jurisdictional Operating Income Summary for the Base and Forecasted Periods

Data: Base Period Forecast Period
Version: Original Updated Revised

Exhibit 21, Schedule C-1
Work Papers/[BGUOC 2020 Rate Case - Income Statement (Sewer).xlsx]Inc Statment - SCH C.1
Witness: B. Thies

Line No.	Major Acct. Group	Description	Supporting Schedule Reference	Base Period Ended 12/31/2020	Adjustment for Forecast at Present Rates	Forecast Year Ended 4/30/2022 At Present Rates	Adjustment for Proposed Rates	Forecast Year at Proposed Rates	Forecast Adjustment Workpaper	Forecast Adjustment Workpaper Location
1		Operating Revenues								
2	400	Sewer Revenues	Exh 21 C-2	\$706,733	\$479,798	\$1,186,531	\$2,330,167	\$3,516,698	W/P - SR-1	Work Papers/[BGUOC 2020 Rate Case - Schedule SR1.xlsx]Exhibit
3	Total	Total Revenues (Sum Lines 2)		\$706,733	\$479,798	\$1,186,531	\$2,330,167	\$3,516,698		
4										
5	401	Operating Expenses								
6		O&M:								
7		Sewer - Contract Operations	Exh 21 C-2	\$601,632	\$458,678	\$1,060,310	0	\$1,060,310	W/P - SE1	Work Papers/[BGUOC 2020 Rate Case - Schedule SE1.xlsx]Exhibit
8		Sewer - Other Operations	Exh 21 C-2	190,047	147,749	337,796	0	337,796	W/P - SE2	Work Papers/[BGUOC 2020 Rate Case - Schedule SE2.xlsx]Exhibit
9		Sewer - Maintenance	Exh 21 C-2	85,136	26,872	112,008	0	112,008	W/P - SE3	Work Papers/[BGUOC 2020 Rate Case - Schedule SE3.xlsx]Exhibit
10		Customer Billing Expense	Exh 21 C-2	62,855	9,458	72,313	0	72,313	W/P - CE2	Work Papers/[BGUOC 2020 Rate Case - Schedule CE2.xlsx]Exhibit
11		Uncollectible Accounts	Exh 21 C-2	5,433	3,466	8,899	8,359	17,258	W/P - CE7	Work Papers/[BGUOC 2020 Rate Case - Schedule CE7.xlsx]Exhibit
12		Allocated Overhead	Exh 21 C-2	201,671	91,805	293,476	0	293,476	W/P - CE3	Work Papers/[BGUOC 2020 Rate Case - Schedule CE3.xlsx]Exhibit
13		Administrative Servcies	Exh 21 C-2	68,737	4,364	73,101	0	73,101	W/P - CE4	Work Papers/[BGUOC 2020 Rate Case - Schedule CE4.xlsx]Exhibit
14		Property Insurance	Exh 21 C-2	150,984	3,827	154,811	0	154,811	W/P - CE5	Work Papers/[BGUOC 2020 Rate Case - Schedule CE5.xlsx]Exhibit
15		Regulatory Expense	Exh 21 C-2	8,038	0	8,038	2,229	10,267	W/P - CE6	Work Papers/[BGUOC 2020 Rate Case - Schedule CE6.xlsx]Exhibit
16	Total	Total O&M Expenses (Sum of Lines 7-15):		\$1,374,533	\$746,220	\$2,120,753	\$10,588	\$2,131,340		
17										
18		Other Expenses								
19	403	Depreciation - Net of CIAC Amort	Exh 21 C-2	124,792	173,776	298,568	0	298,568	Exhibit 21, Schedule B-3.1	Work Papers/Rate Base/[BGUOC 2020 Rate Case - Rate Base (Sewer).xlsx]Dep - BY B3.1
20	406	Amortization of UPAA	Exh 21 C-2	0	0	0	0	0		
21	407	Amortization Expense	Exh 21 C-2	0	0	0	0	0		
22		State Tax								
24	409	Current State Income Tax	Exh 21 C-2	0	0	0	55,195	55,195	Exhibit 21, Schedule E	
25	410	Deferred State Income Tax	Exh 21 C-2	0	0	0	0	0		
26		Federal Tax								
27	409	Current Federal Income Tax	Exh 21 C-2	0	0	0	220,229	220,229	Exhibit 21, Schedule E	
28	410	Deferred Federal Income Tax	Exh 21 C-2	0	0	0	0	0		
29	412	Investment Tax Credits	Exh 21 C-2	0	0	0	0	0		
30	408	General Taxes	Exh 21 C-2	3,358	14,263	17,622	0	17,622	W/P - CE1	Work Papers/[BGUOC 2020 Rate Case - Schedule CE1.xlsx]Exhibit
31	Total	Total Other Expense (Sum of Lines 19 - 30)		\$128,151	\$188,039	\$316,190	\$275,425	\$591,615		
32										
33		Total Expenses (Line 16 + Line 31):		\$1,502,684	\$934,259	\$2,436,943	\$286,012	\$2,722,955		
34										
35		Utility Operating Income (Line 3 - Line 33):		(\$795,951)	(\$454,461)	(\$1,250,412)	\$2,044,155	\$793,743		
36										

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	Allocated Adjustment	Forecast Year at Present
					12 Months Ended 12/31/20	Forecast at Present Rates	Rates, 12 Mo Ended 4/30/22
1							
2	400	Sewer Revenue	521.000	Revenue Sewer (KY, Bluegra)	707,120	479,411	1,186,531
3			532.000	Late Fees Sewer (KY, Bluegra)	(395)	395	0
4			536.000	Miscellaneous Service Revenues (KY, Bluegra)	8	0	8
5				Total	706,733	479,806	1,186,539
6							
7	401	Sewer Expense	701.000	Sewer - O&M - Operations Labor and Expense (KY, Bluegra)	518,408	383,260	901,668
8			701.100	Sewer - O&M - Testing Expense (KY, Bluegra)	82,424	55,418	137,842
9			701.200	Sewer - O&M - Sludge Removal (KY, Bluegra)	800	20,000	20,800
10			703.000	Sewer - O&M - Fuel & Power for Pumping and Treatment (KY, Bluegra)	101,872	135,341	237,213
11			704.000	Sewer - O&M - Chemicals (KY, Bluegra)	79,944	7,408	87,351
12			705.000	Sewer - O&M - Miscellaneous Supplies (KY, Bluegra)	8,231	5,000	13,231
13			711.000	Sewer - O&M - Maintenance Structures and Improvements (KY, Bluegra)	21,598	6,322	27,920
14			712.000	Sewer - O&M - Maintenance of Collection Sewer System (KY, Bluegra)	15,181	10,627	25,808
15			714.000	Sewer - O&M - Maintenance of Treatment & Disposal Plant (KY, Bluegra)	14,585	18,855	33,440
16			713.001	Sewer - O&M - Maintenance of Pumping System (KY, Bluegra)	33,773	-8,933	24,840
17				Total	876,815	633,299	1,510,113
18							
19	401	Allocated Expenses	903.100	Sewer Cust Record Collect (Billing) (KY, Bluegra)	50,960	10,590	61,549
20			903.280	Sewer Cust Record Collect (Bank Fees) (KY, Bluegra)	11,895	(1,131)	10,764
21			922.000	Sewer Administrative Expenses Transferred (KY, Bluegra)	201,671	91,805	293,476
22			923.400	Sewer OutsideService (Legal Fees) (KY, Bluegra)	4,934	0	4,934
23			923.500	Sewer OutsideService (Audit/Accounting) (KY, Bluegra)	2,000	0	2,000
24			923.600	Sewer OutsideService (Manage Consult) (KY, Bluegra)	55,219	(11,660)	43,559
25			923.900	Sewer Outside Services (IT) (KY, Bluegra)	6,585	16,023	22,608
26			924.400	Sewer Property Insurance Commercial (KY, Bluegra)	150,984	3,827	154,811
27			928.100	Sewer Regulatory Expense DNR (KY, Bluegra)	7,197	0	7,197
28			928.200	Sewer Regulatory Expense PSC (KY, Bluegra)	841	0	841
29			904.000	Sewer Uncollectible Accounts (KY, Bluegra)	5,433	3,466	8,899
30				Total	497,718	112,921	610,639
31							
32	403	Depreciation	403	Depreciation of UPIS net of CIAC	124,792	173,776	298,568
33				Total	124,792	173,776	298,568
34							
35	406 & 407	Amortization			0	0	0
36				Total	0	0	0
37							
38	408	General Taxes	408.160	Taxes Sewer Property (KY, Bluegra)	3,358	14,263	17,622
39				Total	3,358	14,263	17,622
40							
41		Operating Income			(\$795,950)	(\$454,453)	(\$1,250,403)
42							
43	Breakdown by Major Account Group						
44	400	Sum Operating Revenues			706,733	479,806	1,186,539
45	401	Sum Operating Expenses			1,374,532	746,220	2,120,752
46	403	Sum Depreciation Expense			124,792	173,776	298,568
47	407	Sum Amortization Expense			0	0	0
48	408	Sum Taxes Other Than income			3,358	14,263	17,622
49				Operating Income Summary	(\$795,950)	(\$454,453)	(\$1,250,403)
50							
51							

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

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	\$706,733	\$479,798	\$1,186,531	See D-2
2						
3	401	Operating Expenses	1,374,532	746,220	2,120,752	See D-2
4						
5	403	Depreciation Expense	124,792	173,776	298,568	See D-2
6						
7	407	Amortization Expense	0	0	0	See D-2
8						
9	408	Taxes Other Than Income	3,358	14,263	17,622	See D-2
10						
11		Utility Operating Income	<u>(\$795,950)</u>	<u>(\$454,461)</u>	<u>(\$1,250,411)</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	400	Operating Revenues						
2		Sewer Revenues						
3		Sewer Revenues	\$706,733	\$479,798	\$1,186,531	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	401	Operating Expense						
6		O&M:						
7		Sewer - O&M - Operations Labor and Expense (KY, Bluegra)	518,408	383,260	901,668	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)	82,424	55,418	137,842	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)	800	20,000	20,800	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)	101,872	135,341	237,213	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)	79,944	7,408	87,351	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)	8,231	5,000	13,231	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)	21,598	6,322	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)	15,181	10,627	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)	14,585	18,855	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)	33,773	(8,933)	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)	50,960	10,590	61,549	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)	11,895	(1,131)	10,764	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)	201,671	91,805	293,476	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)	4,934	0	4,934	W/P - CE4	Work Papers/[BGUOC 2020 Rate Case - Schedule CE4.xlsx]Exhibit	Allocation of expense from sewer to water expenses.
21		Sewer OutsideService (Audit/Accounting) (KY, Bluegra)	2,000	0	2,000	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 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. Group	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
22		Sewer OutsideService (Manage Consult) (KY, Bluegra)	55,219	(11,660)	43,559	W/P - CE4	Work Papers/[BGUOC 2020 Rate Case - Schedule CE4.xlsx]Exhibit	Allocation of expense from sewer to water expenses.
23		Sewer Outside Services (IT) (KY, Bluegra)	6,585	16,023	22,608	W/P - CE4	Work Papers/[BGUOC 2020 Rate Case - Schedule CE4.xlsx]Exhibit	Allocation of expense from sewer to water expenses.
24		Sewer Property Insurance Commercial (KY, Bluegra)	150,984	3,827	154,811	W/P - CE5	Work Papers/[BGUOC 2020 Rate Case - Schedule CE5.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.
25		Sewer Regulatory Expense DNR (KY, Bluegra)	7,197	0	7,197	W/P - CE6	Work Papers/[BGUOC 2020 Rate Case - Schedule CE6.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.
26		Sewer Regulatory Expense PSC (KY, Bluegra)	841	0	841	W/P - CE6	Work Papers/[BGUOC 2020 Rate Case - Schedule CE6.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.
27		Sewer Uncollectible Accounts (KY, Bluegra)	5,433	3,466	8,899	W/P - CE7	Work Papers/[BGUOC 2020 Rate Case - Schedule CE7.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.
28		Total O & M Expense (Sum of Lines 28 through 51):	1,374,532	746,220	2,120,752			
29								
30		Other Expenses						
31	403	Depreciation	124,792	173,776	298,568			Additions to UPIS made prior to and during forecast year.
32	406	Amortization of UPAA	0	0	0			
33	407	Amortization Expense	0	0	0			
34	408	General taxes						
35		Taxes Sewer Property (KY, Bluegra)	3,358	14,263	17,622	W/P - CE1	Work Papers/[BGUOC 2020 Rate Case - Schedule CE1.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. Additional taxes for additions to net UPIS.
36		Total Other Expense (Sum of Lines 31 through 35)	128,151	188,039	316,190			
37								
38		Total Expenses (Line 28 + Line 36):	1,502,683	934,259	2,436,942			
39								
40		Utility Operating Income (Line 3 - Line 38):	(\$795,950)	(\$454,461)	(\$1,250,411)			
41								

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

Exhibit 21, Schedule E

Data: Base Period Forecast Period
Version: Original Updated Revised

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	\$706,733	\$479,798	\$1,186,531	\$2,330,167	\$3,516,698
3							
4	401	Operating Expense (Direct and Allocated)	1,374,533	746,220	2,120,753	10,588	2,131,340
5							
6	403	Depreciation - Net of CIAC	124,792	173,776	298,568	0	298,568
7							
8	406 & 407	Amortization	0	0	0	0	0
9							
10	408	General Taxes	3,358	14,263	17,622	0	17,622
11							
12		Pre-Tax Income	(\$795,951)	(\$454,461)	(\$1,250,412)	\$2,319,580	\$1,069,168
13							
14	Calculation of State Income Taxes						
15		Tax Rate	5%		5%		5%
16	409	Total Current Taxes	0		0		53,458
17							
18	Calculation of Federal Income Taxes						
19		Tax Rate	21%		21%		21%
20	409	Total Current Taxes	0		0		213,299
21							
22							

Bluegrass Water Utility Operating Company, LLC
Case 2020-00290
Jurisdictional Operating Income Summary for the Base and Forecasted Periods

Exhibit 21, Schedule C-1
 Work Papers/[BGUOC 2020 Rate Case - Income Statement (Water).xlsx]Inc Statment - SCH C.1
 Witness: B. Thies

Data: Base Period Forecast Period
 Version: Original Updated Revised

Line No.	Major Acct. Group	Description	Supporting Schedule Reference	Base Period Ended 12/31/2020	Adjustment for Forecast at Present Rates	Forecast Year Ended 4/30/2022 At Present Rates	Adjustment for Proposed Rates	Forecast Year at Proposed Rates	Forecast Adjustment Workpaper	Forecast Adjustment Workpaper Location
1		Operating Revenues								
2	400	Water Revenues	Exh 21 C-2	\$49,555	\$42,567	\$92,122	\$344,423	\$436,545	W/P - WR1	Work Papers/[BGUOC 2020 Rate Case - Schedule WR1.xlsx]Exhibit
3	Total	Total Revenues (Sum Lines 2-3)		<u>\$49,555</u>	<u>\$42,567</u>	<u>\$92,122</u>	<u>\$344,423</u>	<u>\$436,545</u>		
4										
5	401	Operating Expenses								
6		O&M:								
7		Water - Contract Operations	Exh 21 C-2	\$91,533	\$52,515	\$144,048	0	\$144,048	W/P - WE1	Work Papers/[BGUOC 2020 Rate Case - Schedule WE1.xlsx]Exhibit
8		Water - Other Operations	Exh 21 C-2	13,549	11,301	24,850	0	24,850	W/P - WE2	Work Papers/[BGUOC 2020 Rate Case - Schedule WE2.xlsx]Exhibit
9		Water - Maintenance	Exh 21 C-2	3,052	0	3,052	0	3,052	W/P - WE3	Work Papers/[BGUOC 2020 Rate Case - Schedule WE3.xlsx]Exhibit
10		Customer Billing Expense	Exh 21 C-2	5,869	5,524	11,393	0	11,393	W/P - CE2	Work Papers/[BGUOC 2020 Rate Case - Schedule CE2.xlsx]Exhibit
11		Uncollectible Accounts	Exh 21 C-2	330	361	691	1,182	1,873	W/P - CE7	Work Papers/[BGUOC 2020 Rate Case - Schedule CE7.xlsx]Exhibit
12		Allocated Overhead	Exh 21 C-2	18,752	23,733	42,485	0	42,485	W/P - CE3	Work Papers/[BGUOC 2020 Rate Case - Schedule CE3.xlsx]Exhibit
13		Administrative Servcies	Exh 21 C-2	9,601	4,820	14,421	0	14,421	W/P - CE4	Work Papers/[BGUOC 2020 Rate Case - Schedule CE4.xlsx]Exhibit
14		Property Insurance	Exh 21 C-2	9,705	4,824	14,529	0	14,529	W/P - CE5	Work Papers/[BGUOC 2020 Rate Case - Schedule CE5.xlsx]Exhibit
15		Regulatory Expense	Exh 21 C-2	0	0	0	315	315	W/P - CE6	Work Papers/[BGUOC 2020 Rate Case - Schedule CE6.xlsx]Exhibit
16	Total	Total O&M Expenses (Sum of Lines 7-15):		<u>\$152,391</u>	<u>\$103,077</u>	<u>\$255,468</u>	<u>\$1,498</u>	<u>\$256,966</u>		
17										
18		Other Expenses								
19	403	Depreciation - Net of CIAC Amort	Exh 21 C-2	5,549	23,129	28,677	0	28,677	Exhibit 21, Sch B 3.1	Work Papers/Rate Base/[BGUOC 2020 Rate Case - Rate Base (Water).xlsx]Dep - B3.1
20	406	Amortization of UPAA	Exh 21 C-2	0	0	0	0	0	0	
21	407	Amortization Expense	Exh 21 C-2	0	0	0	0	0	0	
22		State Income Tax	Exh 21 C-2	0	0	0	0	0	0	
23	409	Current State Income Tax	Exh 21 C-2	0	0	0	7,807	7,807	0	
24	410	Deferred State Income Tax	Exh 21 C-2	0	0	0	0	0	0	
25		Federal Tax	Exh 21 C-2	0	0	0	0	0	0	
26	409	Current Federal Income Tax	Exh 21 C-2	0	0	0	31,151	31,151	0	
27	410	Deferred Federal Income Tax	Exh 21 C-2	0	0	0	0	0	0	
28	412	Investment Tax Credits	Exh 21 C-2	0	0	0	0	0	0	
29	408	General Taxes	Exh 21 C-2	46	46	92	0	92	W/P - CE1	Work Papers/[BGUOC 2020 Rate Case - Schedule CE1.xlsx]Exhibit
30	Total	Total Other Expense (Sum of Lines 19 - 29):		<u>\$5,595</u>	<u>\$23,175</u>	<u>\$28,769</u>	<u>\$38,959</u>	<u>\$67,728</u>		
31										
32	Total	Total Expenses (Line 16 + Line 30):		<u>\$157,985</u>	<u>\$126,252</u>	<u>\$284,237</u>	<u>\$40,456</u>	<u>\$324,694</u>		
33										
34		Utility Operating Income (Line 3 - Line 32):		<u>(\$108,430)</u>	<u>(\$83,685)</u>	<u>(\$192,115)</u>	<u>\$303,967</u>	<u>\$111,852</u>		
35										

Bluegrass Water Utility Operating Company, LLC
Case 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 (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)	\$51,828	\$40,294	\$92,122
3			470.000	Late Fees Water (KY, Bluegra)	(\$2,273)	\$2,273	\$0
4							
5				Total	49,555	42,567	92,122
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)	1,359	0	1,359
9			615.100	Water - O&M - Purchased Power - Pumping (KY, Bluegra)	5,486	3,341	8,826
10			635.300	Water - O&M - Contractual Services - Water Testing - Treatment Ops (KY,	6,704	7,960	14,664
11			636.200	Water - O&M - Contractual Services - Other Pumping Maint	0	0	0
12			636.400	Water - O&M - Contractual Services - Other Treatment Maint	70	0	70
13			636.600	Water - O&M - Contractual Services - Other Trans & Distr Maint	2,450	0	2,450
14			620.600	Water - O&M - Materials & Supplies - Trans & Distr Maint	532	0	532
15				Total	108,134	63,816	171,950
16							
17	401	Allocated Water Expense					
18			903.101	Water Cust Record Collect (Billing) (KY, Bluegra)	4,945	5,097	10,042
19			903.281	Water Cust Record Collect (Bank Fees) (KY, Bluegra)	924	427	1,351
20			670.000	Water Bad Debt Expense (KY, Bluegra)	330	361	691
21			922.100	Water Administrative Expenses Transferred (KY, Bluegra)	18,752	23,733	42,485
22			633.000	Water Contractual Services (Legal Fees) (KY, Bluegra)	1,942	0	1,942
23			634.000	Water Contractual Services (Manage Consult) (KY, Bluegra)	6,765	1,450	8,215
24			634.100	Water Contractual Services (IT) (KY, Bluegra)	894	3,370	4,264
25			657.000	Water Property Insurance Gen Liab (KY, Bluegra)	9,705	4,824	14,529
26			667.100	Water Regulatory Expense DNR (KY, Bluegra)	0	0	0
27			667.200	Water Regulatory Expense PSC (KY, Bluegra)	0	0	0
28				Total	44,257	39,261	83,518
29							
30							
31	403	Depreciation - Net of CIAC Amort	403	Depreciation of UPIS net of CIAC	5,549	23,129	28,677
32				Total	5,549	23,129	28,677
33							
34	406 & 407	Amortization			0	0	0
35				Total	0	0	0
36							
37							
38	408	General Taxes	408.161	Taxes Water Property (KY, Bluegra)	46	46	92
39				Total	46	46	92
40							
41		Operating Income			(\$108,430)	(\$83,685)	(\$192,115)
42							
43	Breakdown by Major Account Group						
44	400	Sum Operating Revenues			49,555	42,567	92,122
45	401	Sum Operating Expenses			152,391	103,077	255,468
46	403	Sum Depreciation Expense			5,549	23,129	28,677
47	407	Sum Amortization Expense			0	0	0
48	408	Sum Taxes Other Than income			46	46	92
49				Operating Income Summary	(\$108,430)	(\$83,685)	(\$192,115)
50							

Bluegrass Water Utility Operating Company, LLC

Case 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	\$49,555	\$42,567	\$92,122	See D-2
2						
3	401	Operating Expenses	152,391	103,077	255,468	See D-2
4						
5	403	Depreciation Expense	5,549	23,129	28,677	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>(\$108,430)</u>	<u>(\$83,685)</u>	<u>(\$192,115)</u>	
13						
14						
15						
16						
17						
18						
19						

Bluegrass Water Utility Operating Company, LLC
Case 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	400	Operating Revenues						
2		Water Revenues						
3		Water Revenues	\$49,555	\$42,567	\$92,122	W/P - WR1	Work Papers/[BGUOC 2020 Rate Case - Schedule WR1.xlsx]Exhibit	Annualize revenue for systems acquired during base year.
4								
5	401	Operating Expense						
6		O&M:						
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)	1,359	0	1,359	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)	5,486	3,341	8,826	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 - Water Testing - Treatment Ops (KY, Bluegra)	6,704	7,960	14,664	W/P - WE2	Work Papers/[BGUOC 2020 Rate Case - Schedule WE2.xlsx]Exhibit	Annualize expense for systems acquired during base year.
11		Water - O&M - Contractual Services - Other Pumping Maint	0	0	0	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 Treatment Maint	70	0	70	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 - Contractual Services - Other Trans & Distr Maint	2,450	0	2,450	W/P - WE3	Work Papers/[BGUOC 2020 Rate Case - Schedule WE3.xlsx]Exhibit	Annualize expense for systems acquired during base year.
14		Water - O&M - Materials & Supplies - Trans & Distr Maint	532	0	532	W/P - WE3	Work Papers/[BGUOC 2020 Rate Case - Schedule WE3.xlsx]Exhibit	Annualize expense for systems acquired during base year.
15		Water Cust Record Collect (Billing) (KY, Bluegra)	4,945	5,097	10,042	W/P - CE2	Work Papers/[BGUOC 2020 Rate Case - Schedule CE2.xlsx]Exhibit	Annualize expense for systems acquired during base year.
16		Water Cust Record Collect (Bank Fees) (KY, Bluegra)	924	427	1,351	W/P - CE2	Work Papers/[BGUOC 2020 Rate Case - Schedule CE2.xlsx]Exhibit	Annualize expense for systems acquired during base year.
17		Water Bad Debt Expense (KY, Bluegra)	330	361	691	W/P - CE7	Work Papers/[BGUOC 2020 Rate Case - Schedule CE7.xlsx]Exhibit	Annualize expense for systems acquired during base year.
18		Water Administrative Expenses Transferred (KY, Bluegra)	18,752	23,733	42,485	W/P - CE3	Work Papers/[BGUOC 2020 Rate Case - Schedule CE3.xlsx]Exhibit	Annualize expense for systems acquired during base year.
19		Water Contractual Services (Legal Fees) (KY, Bluegra)	1,942	0	1,942	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 (Manage Consult) (KY, Bluegra)	6,765	1,450	8,215	W/P - CE4	Work Papers/[BGUOC 2020 Rate Case - Schedule CE4.xlsx]Exhibit	Allocation of expense from sewer to water expenses.
21		Water Contractual Services (IT) (KY, Bluegra)	894	3,370	4,264	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 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
22		Water Property Insurance Gen Liab (KY, Bluegra)	9,705	4,824	14,529	W/P - CE5	Work Papers/[BGUOC 2020 Rate Case - Schedule CE5.xlsx]Exhibit	Annualize expense for systems acquired during base year.
23		Water Regulatory Expense DNR (KY, Bluegra)	0	0	0	W/P - CE6	Work Papers/[BGUOC 2020 Rate Case - Schedule CE6.xlsx]Exhibit	
24		Water Regulatory Expense PSC (KY, Bluegra)	0	0	0	W/P - CE6	Work Papers/[BGUOC 2020 Rate Case - Schedule CE6.xlsx]Exhibit	
25	Total O & M Expense (Sum of Lines 7 through 24):		152,391	103,077	255,468			
26	Other Expenses							
28	403	Depreciation	5,549	23,129	28,677			Additions to UPIS made prior to and during forecast year.
29	406	Amortization of UPAA	0	0	0			
30	407	Amortization Expense	0	0	0			
31	408	Taxes Water Property (KY, Bluegra)	46	46	92	W/P - CE1	Work Papers/[BGUOC 2020 Rate Case - Schedule CE1.xlsx]Exhibit	The Property Tax adjustment is based on net UPIS to property taxes paid. Regulatory Assessment Fees are based on recent rates multiplied by forecasted revenues at present rates.
32	Total Other Expense (Sum of Lines 28 through 31):		5,595	23,175	28,769			
33	Total Expenses (Line 25 + Line 32):		157,985	126,252	284,237			
34	Utility Operating Income (Line 3 - Line 34):		(\$108,430)	(\$83,685)	(\$192,115)			

Bluegrass Water Utility Operating Company, LLC

Case 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 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	\$49,555	\$42,567	\$92,122	\$344,423	\$436,545
3							
4	401	Operating Expense (Direct and Allocated)	152,391	103,077	255,468	1,498	256,966
5							
6	403	Depreciation - Net of CIAC Amort	5,549	23,129	28,677	0	28,677
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	(\$108,430)	(\$83,685)	(\$192,115)	\$342,926	\$150,810
13							
14	Calculation of State Income Taxes						
15		Tax Rate	5%		5%		5%
16	409	Total Current Taxes	0		0		7,541
17							
18	Calculation of Federal Income Taxes						
19		Tax Rate	21%		21%		21%
20	409	Total Current Taxes	0		0		30,087
21							
22							

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

Data: Base Period Forecast Period
Version: Original Updated Revised

Exhibit 21, Schedule N

#VALUE!

Witness: B. Thies

Type of Charge	Service Area	Current Rates (per month)	Proposed Rates (per month)	Change Requested	
				\$	%
Total Monthly Sewer – Single Residential per unit					
	Airview Estates	\$41.36	\$95.46	\$54.10	130.8%
	Brocklyn Subdivision- Single Family	\$40.00	\$95.46	\$55.46	138.7%
	Fox Run Estates	\$55.85	\$95.46	\$39.61	70.9%
	Great Oaks Subdivision	\$28.84	\$95.46	\$66.62	231.0%
	Golden Acres Subdivision	\$39.57	\$95.46	\$55.89	141.3%
	Kingswood Development	\$38.84	\$95.46	\$56.62	145.8%
	Lake Columbia Estates	\$50.32	\$95.46	\$45.14	89.7%
	Longview and Homestead Subdivisions	\$30.00	\$95.46	\$65.46	218.2%
	Persimmon Ridge Subdivision	\$35.00	\$95.46	\$60.46	172.8%
	City of River Bluff and environs	\$58.16	\$95.46	\$37.30	64.1%
	Timberland Subdivision	\$34.71	\$95.46	\$60.75	175.0%
	Arcadia Pines Subdivision	\$25.00	\$95.46	\$70.46	281.9%
	Carriage Park Subdivision	\$16.00	\$95.46	\$79.46	496.7%
	Marshall Ridge Subdivision	\$15.00	\$95.46	\$80.46	536.4%
	Randview Subdivision	\$25.00	\$95.46	\$70.46	281.9%
	I-75 & Delaplain Road interchange area (Scott County)	\$12.50	\$95.46	\$82.96	663.7%
	Herrington Haven and Woodland Estates	\$49.66	\$95.46	\$45.80	92.2%
	Springcrest Sewer (Jessamine County)	\$27.43	\$95.46	\$68.03	248.0%
	Woodland Acres	\$19.47	\$95.46	\$75.99	390.3%
Total Monthly Sewer – Mulit Residential per unit					
	Brocklyn Subdivision – Multi Family	\$30.40	\$71.60	\$41.20	135.5%
	Randview Subdivision - Duplex	\$25.00	\$72.11	\$47.11	188.4%
Total Monthly Sewer Bill – Commercial					
Flat Rate	Persimmon Ridge Subdivision ¹	\$35.00 per residential equivalent of 12,000 gallons	\$238.66	\$205.36	616.6%
	Randview Subdivision	\$25.00	\$240.36	\$215.36	861.4%
Total Monthly Sewer – Industrial/Commercial (Metered)					
	I-75 & Delaplain Road interchange area (Scott County)	\$755.33	\$2,179.28	\$1,423.95	188.5%
Total Monthly Water Bill - Residential					
	Center Ridge	\$22.79	\$108.27	\$85.48	375.1%

¹ Persimmon Ridge Current Average Bill is \$35/month

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	Total Capital	100.00%			10.65%
8					
9					
10					