

March 21, 2023

Mr. Kasey Emmick, Manager East Daviess County Water Association 9210 KY 144 Philpot, KY 42366-9743

Re: Wholesale Water Rate Increase

Dear Kasey:

We have prepared the required rate calculations for fiscal year 2023-2024, as per the terms of our contract. A copy of these calculations is enclosed, as well as a copy of the fiscal year 2021-2022 true-up calculations.

Based on these calculations, the rate charged to the East Daviess County Water Association will increase to a rate of \$3.15 per thousand gallons for the fiscal year beginning June 1, 2023.

The ultimate per unit cost to EDCWA is dependent upon annual water usage and the costs contractually allocated to your association. Future year calculations may result in fluctuations in the rate per thousand gallons. The formal calculation will continue to be prepared annually.

Please contact me with any questions, or if you need further information.

Sincerely,

Tim Dyos

Tim Lyons General Manager

Cc: Kentucky Public Service Commission L. Chapman, R. Evans, L. Holland, A. McLimore

Enclosures

Owensboro Municipal Utilities • P.O. Box 806 • Owensboro, KY 42302-0806 • 270-926-3200 • www.omu.org

NOTICE

Owensboro Municipal Utilities ("OMU") is providing notice that on March 22, 2023, it filed with the Public Service Commission to increase the wholesale rate it charges East Daviess County Water Association effective for water service rendered on and after June 1, 2023. The proposed rates are as follows:

	Current Rate	New Rate	<u> \$ Change</u>	<u>% Change</u>
East Daviess County WA	\$2.640 per 1,000 gallons	\$3.150 per 1,000 gallons	\$0.51 Increase	19.3% Increase

This filing may be examined at the offices of OMU located at 2070 Tamarack Road in Owensboro, Kentucky; telephone 270-926-3200.

This filing may also be examined at the offices of the Public Service Commission located at 211 Sower Boulevard in Frankfort, Kentucky, Monday – Friday from 8:00 am – 4:30 pm or on the PSC website at <u>http://psc.ky.gov</u>.

Comments regarding this filing may be submitted by mail to the Public Service Commission, Post Office Box 615, Frankfort KY 40602; or through its website at <u>http://psc.ky.gov</u>.

The new rates are the rates proposed by OMU in its filing but the Public Service Commission may order rates that differ from the proposed rates.

Intervention may be requested by submitting a timely written request for intervention by mail to the Public Service Commission, Post Office Box 615, Frankfort, KY 40602. The request for intervention must establish the grounds for the request including the status and interest of the party.

If the Public Service Commission does not receive a written request for intervention within thirty (30) days of the providing of this notice, the Public Service Commission may take final action on the filing.

1.000 1.001 1.002			FY 1991 Amount	FY 1991 Reference	Inflation Factor	Growth Factor	Calculated Growth Factor	FY 2022 Amount
1.003								
1.004							31	
1.005	Water System Demands and Usage						Years	
1.006								
1.007	System Annual Quantity	Mil. Gal.	4,846	+S10.050	0%	-0.57%	0.837	4,057
1.008								
1.009	District Annual Quantity							
1.010	Southeast Daviess	Mil. Gal.	532	+S10.039	0%	1.07%	1.393	741
1.011	West Daviess	Mil. Gal.	345	+S10.039	0%	0.68%	1.235	426
1.012	East Daviess	Mil. Gal.	154	+S10.039	0%	2.45%	2.117	326
1.013								
1.014	Maximum Day Quantity							
1.015	Southeast Daviess	mgd	1.990	+S10.040	0%	1.24%	1.465	2.916
1.016	West Daviess	mgd	1.378	+S10.040	0%	0.58%	1.198	1.651
1.017	East Daviess	mgd	0.612	+S10.040	0%	2.09%	1.900	1.163
1.018								
	System Maximum Day Quantity	mgd	16.91	+S10.045	0%	-0.50%	0.856	14.48
1.020								
1.021	Operation and Maintenance Expense							
1.022	Transmission and Dist Evennes	¢	260 521	(a)	E 770/	0.9/	F 602	1 524 254
1.023	Transmission and Dist. Expense	\$ \$	269,521	(a)	5.77%	0% 0%	5.693	1,534,251
1.024 1.025	Source of Supply Expense	Þ	121,068	(a)	7.49%	0%	9.380	1,135,650
1.025	Existing Treatment Plant Expense Chemicals	\$	198,132	(a)	-7.95%	-0.57%	0.063	12,536
1.020	Other	\$ \$	405,493	(a) (a)	-0.18%	-0.37 %	0.003	382,928
1.027	New Treatment Plant Expense	Ψ	400,490	(a)	-0.1070	070	0.344	502,520
1.020	Chemicals	\$	0		n/a	n/a	n/a	78,148
1.020	Other	\$	0		n/a	n/a	n/a	1,054,850
1.031	Expanded Treatment Plant Expense	Ψ	0		11/4	n/a	11/4	1,004,000
1.032	Chemicals	\$	0		n/a	n/a	n/a	440,191
1.033	Other	\$	0		n/a	n/a	n/a	1,025,743
1.034	Pumping Expense	Ţ						.,
1.035	Electric Power	\$	240,191	(a)	3.42%	-0.57%	2.392	574,642
1.036	Other-Existing Plant	\$	8,840	(a)	1.78%	0%	1.729	15,280
1.037	Other-New Plant	\$	0	.,	n/a	n/a	n/a	47,771
1.038	Other-Expanded Plant	\$	0		n/a	n/a	n/a	79,021
1.039								
1.040	Administrative Expenses	\$	689,980	(a)	2.45%	0%	2.115	1,459,541
1.041	Customer Accounting & Information	\$	176,825	(a)	4.22%	0%	3.605	637,412
1.042								
1.043	(a) FY 1991 financial statements.		2,110,050					8,477,964
1.044								
1.045								
1.046	Debt Service Payments							
1.047								
1.048	Existing Plant	\$	487,100					0
1.049	1999 Improvements	\$	0					0
1.050	2003 Improvements	\$	0					310,630
1.051	2009 Improvements	\$	0					408,637
1.052	2014 Improvements	\$ ¢	0 0					238,678
1.053	2015 Improvements	\$	0					221,161
1.054 1.055	Cavin Plant 2018 Improvements	\$ \$	0					831,852 2,513,368
1.055	2010 Improvements	φ	487,100					4,524,327
1.050			407,100					7,024,027
1.057								
1.000								

Owensboro Municipal Utilities ~ Black & Veatch Project: 17656.010

Schedule 2 Exhibit B-1 for FY 2022 Determine District Percentage Responsibility for Costs

Line		TRUE-UP CA	LCULATION						
2.000			Wholesale Customers						
2.001							OMU	Total	
2.002 2.003		Units	Southeast Daviess	West Daviess	East Daviess	Subtotal	Retail Customers	OMU System	
2.003		Onits	Daviess	Daviess	Daviess	Subiolai	Customers	Oystem	
2.005									
2.006 2.007	FY 2022 System Annual Quantity FY 2022 District Annual Quantity	Mil. gal. Mil. gal.	741	426	326	1,493	2,564 +S1.010, +S1		+S1.007
2.007	TT 2022 District Annual Quantity	wiii. gai.	741	420	020	1,400	101.010, 101		12
2.009	District Responsibility for Variable Expense	s	18.26%	10.50%	8.04%	36.80%	@ROUND(+S	S2.007/S2.0	06,4)
2.010 2.011									
	District Responsibility for Fixed Costs of Existing	g Facilities							
2.013									
	FY 1989 District Base Quantity FY 1989 Plant Usage (Base)	mgd mgd	2.378	1.939	0.594	4.911	+S10.010	17 54	+S10.021
	After June 1, 2018?	Yes						11.04	010.021
2.017	Percentages after June 1, 2018		13.56%	9.65%	4.09%	27.30%			
2.018 2.019	District Responsibility for Fixed Costs of Ex Percent	sting Facilities	13.56%	9.65%	4.09%	27 30%	@IF(S2 016=1		(+S2.014/S2.015,4),ROUND(+S2.018,4)
2.020			10.0070	0.0070		21.0070	Gii (02:010 1	10,1100112	
2.021		-	F						
2.022 2.023	District Responsibility for Fixed Costs of Existing	g Transmission	Facilities						
2.024	FY 2022 District Maximum Day Quantity		2.916	1.651	1.163	5.730	+S1.015, +S1	,	
2.025	FY 2022 System Maximum Day Quantity							14.48	+S1.019
2.026 2.027	District Responsibility for Fixed Costs of Ex	sting Transmis	sion Facilities	6					
2.028	Percent	3	20.14%	, 11.40%	8.03%	39.57%	@ROUND(+S	S2.024/S2.0	25,4)
2.029									
2.030 2.031	District Responsibility for Fixed Costs of New Fa	acilities							
2.032									
2.033 2.034	FY 2022 System Maximum Day Quantity less Base Year Plant Usage	mgd mgd						14.48 17.54	+S1.019 Contract
2.034	less base real Flatt Usage	mgu						17.54	Contract
2.036	New Plant Capacity	mgd						10.00	Input
2.037 2.038	FY 2022 New Plant Usage FY 2022 New Plant Usage	mgd mgd	(but not less	than zero)				(3.06) 0.00	+S2.033-S2.034 @IF(S2.037<0,0,+S2.037)
2.030	FY 2022 Reserve Capacity	mgd	(but not less	5 (ildi1 2010)				10.00	+\$2.036-\$2.038
2.040		-							
2.041 2.042	FY 2022 Maximum Day Quantity FY 1989 District Base Quantity	mgd mgd	2.916 2.378	1.651 1.939	1.163 0.594	5.730 4.911	+S2.024 +S10.010		
2.042	District Growth Quantity	mgd	0.538	(0.288)	0.569	4.511	+S2.041-S2.0)42	
2.044	But not less than zero	mgd	0.538	0.000	0.569		@IF(S2.043<	0,0,+S2.043	3)
2.045 2.046	District Growth Ratio		1.000	0.000	1.000		@IE(S2 038=0) @IF(S2 04	14=0,0,1),S2.044/S2.038
2.047	District Crown Hade		1.000	0.000	1.000		(02.000 C	5,@n (02.04	11 0,0,1,02.01102.000
2.048	Ratio District Growth Quantity / New Plant	Capacity							
2.049 2.050	Factor	percent	5.38%	0.00%	5.69%		@ROUND(S2	2.044/S2.03	6.4)
2.051		F					0		-, -,
2.052	Minimum District Deers analkility		40 750/	0.05%	4.00%	05.00%	(-)		
2.053 2.054	Minimum District Responsibility	percent	12.75%	8.25%	4.00%	25.00%	(a)		
2.055	District Responsibility for Fixed Costs of Ne	w Facilities							
2.056 2.057	Percent (a) Per Contracts.		12.75%	8.25%	5.69%	26.69%	@MAX(S2.05	50,S2.053)	
2.057	(a) Fer Contracts.								
2.059									
2.060 2.061	District Responsibility for Fixed Costs of Expand	ed Facilities							
2.061	FY 2022 System Maximum Day Quantity	mgd						14.48	+S1.019
2.063	less Base Year Plant Usage	mgd						17.54	Contract
2.064 2.065	New Plant Capacity	mgd						10.00	Input
2.066	FY 2022 Expanded Plant Usage	mgd						(3.06)	+S2.062-S2.063
2.067	FY 2022 Expanded Plant Usage	mgd	(but not less	s than zero)				0.00	@IF(S2.066<0,0,+S2.066)
2.068 2.069	FY 2022 Reserve Capacity	mgd						10.00	+S2.065-S2.067
2.070	FY 2022 Maximum Day Quantity	mgd	2.916	1.651	1.163	5.730	+S2.024		
2.071	FY 1989 District Base Quantity	mgd	2.378	1.939	0.594	4.911	+S10.010	71	
2.072 2.073	District Growth Quantity But not less than zero	mgd mgd	0.538 0.538	(0.288) 0.000	0.569 0.569		+S2.070-S2.0 @IF(S2.072<		2)
2.074									
2.075	District Growth Ratio		1.000	0.000	1.000		@IF(S2.067=0	0,@IF(S2.07	73=0,0,1),S2.073/S2.067
2.076 2.077	Ratio District Growth Quantity / Expanded F	Plant Capacity							
2.078		suparity							
2.079	Factor	percent	5.38%	0.00%	5.69%		@ROUND(S2	2.073/S2.06	5,4)
2.080 2.081									
2.081	Minimum District Responsibility	percent	15.61%	10.94%	7.07%	33.62%	(a)		
2.083		manale d E - 1999							
2.084 2.085	District Responsibility for Fixed Costs of Ex Percent	panded Facilitie	ns 15.61% ^R	ate Calculatio	n.xls 7.07%	33.62%	@MAX(S2.07	9.S2 (182)	
2.085	(a) Per Contracts.		10.0170	10.0770	1.0170	30.0Z /0		-,	

Owensboro Municipal Utilities ~ Black & Veatch Project: 17656.010

Line	Fiscal Year Ending May 31, 2022 TRUE-UP CALCULATION							
3.000								
3.001								
3.002	FY 2022 Annual Transmission & Distribution Expense	\$1,534,251	+S1.023	(a)				
3.003								
3.004	Beginning of year inch-feet of transmission and distribution	ition system						
3.005								
3.006	Distribution mains (less than 8 inch)	6,943,944						
3.007								
3.008	Transmission mains (8 inch & over)	5,331,132						
3.009								
3.010	Total	12,275,076						
3.011								
3.012	Transmission portion	43.43%						
3.013								
3.014	Calculated Transmission O&M Expense	\$666,325	@ROUND	0(S3.002*S3.012,0)				
3.015								
3.016	Net Distribution O&M Expense	\$867,926	+\$3.002-5	\$3.014				
3.017								
3.018								
3.019								
3.020								
3.021	(a) Total water trans. & dist. expense less mainte	nance of services,						
3.022	meters, hydrants and misc. plant.							
3.023								

Schedule 4
Exhibit D for FY 2022
Water Supply & Treatment O&M Expense

Analysis: Proforma Charges to Wholesale Customers Fiscal Year Ending May 31, 2022 TRUE-UP CALCULATION

Line			Ending May 31, 2022
4.000		FY 2022	
4.001 4.002		\$	
4.002		φ	
	Source of Supply Expense	1,135,650	+S1.024
4.004	Source of Supply Expense	1,100,000	131.024
	Water Treatment		
4.007	Existing Plant		
4.008	•	12,536	+S1.026
4.009		382,928	
4.010		,	
4.011	New Plant		
4.012	Chemicals	78,148	+S1.029
4.013	Other	1,054,850	+S1.030
4.014			
4.015	Expanded Plant		
4.016	Chemicals	440,191	+S1.032
4.017	Other	1,025,743	+S1.033
4.018			
	Pumping Expense		
4.020	Electric Power	574,642	
4.021	5	15,280	
4.022		47,771	
4.023	Other-Expanded Plant	79,021	+S1.038
4.024			
	Variable Expenses		
4.026	Electric Power	574,642	
4.027	8	12,536	
4.028	Chemicals-New and Expanded Plant	518,339	
4.029	Total Variable Expenses	1,105,517	@SUM(S4.026S4.028)
4.030			
4.031			
4.032			

4.032

Analysis: Proforma Charges to Wholesale Customers

Line	F	iscal Year E	Ending May 3	
5.000			FY 2022	
5.001				
5.002	Evisting Devenue Dende		\$	
5.003 5.004	Existing Revenue Bonds Annual P & I		0	+S1.048
5.005			Ŭ	
5.006	Allocation - Existing Revenue Bonds	(a)		
5.007	Water Supply & Treatment	66.28%	0	@ROUND(S5.004*S5.007,0)
5.008 5.009	Transmission Mains Total	33.72% 100.00%	0 0	@ROUND(S5.004*S5.008,0) +S5.007+S5.008
5.010			-	
	New Revenue Bonds			
5.012 5.013	Debt Service on Improvements - 1999 Bonds Annual P & I		0	+S1.049
5.013	Debt Service on Improvements - 2003 Bonds		0	101040
5.015	Annual P & I		310,630	+S1.050
5.016	Debt Service on Improvements - 2009 Bonds		400.007	. 04.054
5.017 5.018	Annual P & I Debt Service on Improvements - 2014 Bonds		408,637	+S1.051
5.019	Annual P & I		238,678	+S1.052
5.020	Debt Service on Improvements - 2015 Bonds			
5.021	Annual P & I		221,161	+S1.053
5.022 5.023	Debt Service on Cavin Project Annual P & I		831,852	+S1.054
5.024	Debt Service on Improvements - 2018 Bonds		001,002	
5.025	Annual P & I		2,513,368	+S1.055
5.026	Allocation 1000 Improvements	(h)		
5.027 5.028	Allocation - 1999 Improvements Water Supply & Treatment	(b) 42.25%	0	@ROUND(S5.013*S5.028,0)
5.029	Transmission Mains	57.75%	0	@ROUND(S5.013*S5.029,0)
5.030	Total	100.00%	0	+\$5.028+\$5.029
5.031	Allocation 2002 Improvements	(h)		
5.032 5.033	Allocation - 2003 Improvements Water Supply & Treatment	(b) 47.74%	148,295	@ROUND(S5.015*S5.033,0)
5.034	Transmission Mains	52.26%	162,335	@ROUND(S5.015*S5.034,0)
5.035	Total	100.00%	310,630	+\$5.033+\$5.034
5.036	Allocation 2000 Improvements	(0)		
5.037 5.038	Allocation - 2009 Improvements Water Supply & Treatment	(c) 58.51%	239,095	@ROUND(S5.017*S5.038,0)
5.039	Transmission Mains	4.74%	19,369	@ROUND(S5.017*S5.039,0)
5.040	Cavin Plant	13.68%	55,902	@ROUND(S5.017*S5.040,0)
5.041 5.042	Distribution/General Plant Total	23.07% 100.00%	94,273 408,639	@ROUND(S5.017*S5.041,0) +S5.038+S5.039+S5.040+S5.041
5.042	Total	100.00 /0	400,000	133.030133.033133.040133.041
5.044	Allocation - 2014 Improvements	(d)		
5.045	Water Supply & Treatment	37.74%	90,077	@ROUND(S5.019*S5.045,0)
5.046 5.047	Transmission Mains Cavin Plant	24.64% 8.80%	58,810 21,004	@ROUND(S5.019*S5.046,0) @ROUND(S5.019*S5.047,0)
5.048	Distribution/General Plant	28.82%	68,787	@ROUND(S5.019*S5.048,0)
5.049	Total	100.00%	238,678	+\$5.045+\$5.046+\$5.047+\$5.048
5.050		(-)		
5.051 5.052	Allocation - 2015 Improvements Water Supply & Treatment	(e) 44.00%	97,311	@ROUND(S5.021*S5.052,0)
5.053	Cavin Plant	0.00%	0	@ROUND(S5.021*S5.053,0)
5.054	Expanded Plant	56.00%	123,850	@ROUND(S5.021*S5.054,0)
5.055	Total	100.00%	221,161	+S5.052+S5.053+S5.054
5.056 5.057	Allocation - 2018 Improvements	(f)		
5.058	Water Supply & Treatment	6.13%	154,069	@ROUND(S5.025*S5.058,0)
5.059	Transmission Mains	2.79%	70,123	@ROUND(S5.025*S5.059,0)
5.060 5.061	Cavin Plant Expanded Plant	0.00% 88.93%	0	@ROUND(S5.025*S5.060,0) @ROUND(S5.025*S5.061,0)
5.061	Distribution/General Plant	2.15%	2,235,138 54,037	@ROUND(\$5.025*\$5.062,0)
5.063	Total	100.00%	2,513,367	+\$5.058+\$5.059+\$5.060+\$5.061+\$5.062
5.064				
5.065 5.066	Debt Service Summary Existing Treatment Facility		728,847	+\$5.007+\$5.028+\$5.033+\$5.038+\$5.045+\$5.052+\$5.058
5.067	New Treatment Facility		908,758	+S5.023+S5.040+S5.047+S5.053+S5.060
5.068	Transmission Facilities		310,637	+\$5.008+\$5.029+\$5.034+\$5.039+\$5.046+\$5.059
5.069	Expanded Treatment Facility		2,358,988	+\$5.054+\$5.061
5.070 5.071	Distribution/General Plant	-	217,097 4,524,327	+S5.041+S5.048+S5.062 +S5.066+S5.067+S5.068+S5.069+S5.070
5.071	(a) Exhibit E, Contract		7,027,021	· · · · · · · · · · · · · · · · · · ·
5.073	(b) Based on dollars spent on improvements,			
5.074	(c) Based on dollars spent on improvements,			
5.075	(d) Based on estimated dollars to be spent or (a) Based on estimated dollars to be spent or			

5.076 5.077 (e) Based on estimated dollars to be spent on improvements, per Water Financial model.
 (f) Based on estimated dollars to be spent on improvements, per Water Financial model.

Analysis: Proforma Charges to Wholesale Customers Fiscal Year Ending May 31, 2022 TRUE-UP CALCULATION

6.000 6.001		FY 2022	
6.001		\$	
6.003		Ψ	
	Administrative and General Expenses	1,459,541	+S1.040
6.005		, ,	
6.006	Basis of Allocation = Supervised Expenses (b)		
6.007	Existing Treatment Facility	1,533,858	+S4.004+S4.009+S4.021
6.008			
6.009	New Treatment Facility	1,102,621	+S4.013+S4.022
6.010			
6.011	Expanded Treatment Facility	1,104,764	+S4.017+S4.023
6.012			
6.013	Transmission System	666,325	+S3.014
6.014	Distribution Oracle	007.000	. 00.010
6.015 6.016	Distribution System	867,926	+S3.016
6.016	Customer Accounting & Information	637,412	+S1.041
6.017	Customer Accounting & mormation	037,412	+31.041
6.019	Total Above	5,912,906	@SUM(S6.007S6.017)
6.020		5,512,500	(30.00730.017)
	Allocation Of Admin. & Gen. Expense		
6.022	Existing Treatment Facility	378,617	@ROUND(+S6.004*S6.007/S6.019,0)
6.023			e(
6.024	New Treatment Facility	272,171	@ROUND(+S6.004*S6.009/S6.019,0)
6.025	,		
6.026	Expanded Treatment Facility	272,700	@ROUND(+S6.004*S6.011/S6.019,0)
6.027			
6.028	Transmission System	164,476	@ROUND(+S6.004*S6.013/S6.019,0)
6.029			
6.030	Distribution System	214,239	@ROUND(+S6.004*S6.015/S6.019,0)
6.031			
6.032	Customer Accounting & Information	157,339	@ROUND(+S6.004*S6.017/S6.019,0)
6.033			
6.034	Total Above	1,459,542	@SUM(S6.022S6.032)
6.035			
6.036	(b) Excludes expenses which vary with the quanti	ity of water produced.	

6.036 (b) Excludes expenses which vary with the quantity of water produced.

		UP CALCULATION	
7.000		FY 2022	
7.001 7.002		\$	
7.004	Existing Treatment Facility Fixed Costs Debt Service	728,847	+\$5.066
7.005	O&M Expense	1,533,858	+S4.004+S4.009+S4.02
7.007 7.008 7.009	Replacements & Improvements	154,265	+\$7.057
7.010	Admin. & General Expense	378,617	+S6.022
7.012 7.013	Total Existing Treatment Facility Fixed Costs	2,795,587	@SUM(S7.004S7.010)
7.014 7.015 7.016	New Treatment Facility Fixed Costs		
7.017	Debt Service	908,758	+\$5.067
7.019	O&M Expense	1,102,621	+S4.013+S4.022
7.021	Replacements & Improvements	313,111	+\$7.061
7.023 7.024	Admin. & General Expense	272,171	+S6.024
7.025	Total New Treatment Facility Fixed Costs	2,596,661	@SUM(S7.017S7.023)
	Transmission Facility Fixed Costs Debt Service	310,637	+S5.068
7.030	O&M Expense	666,325	+\$3.014
7.031	Replacements & Improvements	254,751	+\$7.065
7.033 7.034 7.035	Admin. & General Expense	164,476	+S6.028
.035 7.036 7.037	Total Transmission Facility Fixed Costs	1,396,189	@SUM(S7.028S7.034
7.038	Expanded Treatment Facility Fixed Costs		
7.040 7.041	Debt Service	2,358,988	+\$5.069
7.042	O&M Expense	1,104,764	+S4.017+S4.023
7.044	Replacements & Improvements	575,597	+\$7.069
7.046	Admin. & General Expense	272,700	+\$6.026
7.048	Total Expanded Treatment Facility Fixed Costs	4,312,049	@SUM(S7.040S7.046)
	Variable Expenses Total Amount	1,105,517	+S4.029
7.053	Plant Investment as of May 31, 2021:		
7.054 7.055	Existing Treatment Facilities Existing/Additions	(a) 10,729,378	1.25% 134,117
7.056 7.057	Cavin Project Improvements	(a) <u>1,611,825</u> 12,341,203	1.25% <u>20,148</u> 154,265
7.058	New Treatment Facilities	(-) 4 004 000	
7.059 7.060	Additions Cavin Project Improvements	(a) 1,831,368 (a) 23,217,545	1.25% 22,892 1.25% 290,219
.061		25,048,913	313,111
7.062 7.063	Transmission Facilities Existing/Additions	(a) 17,924,644	1.25% 224,058
.064	Cavin Project Improvements	(a) <u>2,455,475</u>	1.25% 30,693
7.065	Expanded Treatment Facilities	20,380,119	254,751
7.067	Additions	(a) 46,047,733	1.25% 575,597
7.068	Cavin Project Improvements	(a) 0 46,047,733	1 25% 0
7.069 7.070		46,047,733	575,597
7.071	(a) Contributions to R&R Fund for FY 2017 were 1.25%	of Plant Investment	t,
	excluding land. Distribution Plant and General Plan		1,297,724

Schedule 8	
Exhibit H for FY 2022	
Development of Charges to Districts	

Owensboro Municipal Utilities ~ Black & Veatch Project: 17656.010

Line			Ending May				
8.000			Who	lesale Custom	ners		
8.001		Total	Southoost	\\/oot			
8.002 8.003		System Costs	Southeast Daviess	West Daviess	East Daviess	Subtotal	
8.003							
8.005							
8.006	Existing Treatment Facility						
8.007	Total Costs	\$2,795,587	+S7.012				
8.008							
8.009	District Responsibility		40 500/	0.05%	4.000/	07.000/	. 62.040
8.010 8.011	Percent Amount		13.56% \$379,082	9.65% \$269,774	4.09% \$114,340	27.30% \$763,196	+S2.019 @ROUND(S8.007*S8.010,0)
8.012	Anoun		ψ070,002	φ205,774	ψ114,040	φ <i>1</i> 00,100	
8.013							
8.014	New Treatment Facility						
8.015	Total Costs	\$2,596,661	+S7.025				
8.016							
8.017	District Responsibility Percent		12.75%	8.25%	5.69%	26.69%	+S2.056
8.018 8.019	Amount		\$331,074	8.25% \$214,225	\$147,750	\$693,049	@ROUND(S8.015*S8.018,0)
8.020	Amount		\$331,074	φ214,220	ψ1 4 7,750	φ090,0 4 9	(are one (30.013 30.013,0)
8.021							
8.022							
8.023	Total Costs	\$1,396,189	+S7.036				
8.024							
8.025 8.026	District Responsibility Percent		20.14%	11.40%	8.03%	39.57%	+S2.028
8.020	Amount		\$281,192	\$159,166	\$112,114	\$552,472	@ROUND(S8.023*S8.026,0)
8.028	, unounc		<i>\\\</i> 201,102	<i>Q</i> 100,100	ψ112,114	<i>4002,112</i>	(enteente(co.ozo co.ozo,o)
8.029							
8.030	Expanded Treatment Facility						
8.031	Total Costs	\$4,312,049	+S7.048				
8.032							
8.033 8.034	District Responsibility Percent		15.61%	10.94%	7.07%	33.62%	+S2.085
8.035	Amount		\$673,111	\$471,738		\$1,449,711	@ROUND(S8.031*S8.034,0)
8.036				÷,		•••••	() · · · · · (· · · · · · · · · · · · ·
8.037							
8.038	•	A 4 405 547	07.054				
8.039	Total Costs	\$1,105,517	+S7.051				
8.040 8.041	District Responsibility						
8.042	Percent		18.26%	10.50%	8.04%	36.80%	+S2.009
8.043	Amount		\$201,867	\$116,079	\$88,884	\$406,830	@ROUND(S8.039*S8.042,0)
8.044							
8.045			SEDC	WDC	EDC		
8.046	Total Prior Year True-Up Adjustment		\$0 ©0	\$0 ©0	\$0 ©0	\$0 ©0	
8.047 8.048	Unrecovered True-Up Charges True-Up Adjustment This Period		<mark>\$0</mark> \$0	<mark>\$0</mark> \$0	<mark>\$0</mark> \$0	\$0 \$0	
8.049	Hue-op Aujustinent Hils Fenou		φυ	ψŬ	φυ	φυ	
	Total Charges to Districts for FY 2022		\$1,866,326	\$1,230,982	\$767,950	\$3,865,258	+\$8.011+\$8.019+\$8.027+\$8.035+\$8.043+\$8.048
8.051							
8.052							
	Effective Unit Charge		SEDC	WDC	EDC	¢0 504	
8.054 8.055	Existing Treatment Facility New Treatment Facility		\$0.522 \$0.456	\$0.645 \$0.513	\$0.357 \$0.462	\$0.521 \$0.473	@ROUND(+S8.011/(1000*S9.008),3) @ROUND(+S8.019/(1000*S9.008).3)
8.055	Transmission Facilities		\$0.456 \$0.387	\$0.513 \$0.381	\$0.462 \$0.350	\$0.473 \$0.377	@ROUND(+S8.027/(1000/S9.008),3)
8.057	Expanded Treatment Facility		\$0.927	\$1.129	\$0.953	\$0.990	@ROUND(+S8.035/(1000*S9.008),3)
8.058	Variable Expenses		\$0.278	\$0.278	\$0.278	\$0.278	@ROUND(+S8.043/(1000*S9.008),3)
8.059	Prior Year Trueup		\$0.000	\$0.000	\$0.000	\$0.000	@ROUND(+S8.048/(1000*S9.008),3)
8.060	and there are						
8.061 8.062	w/ true up w/o true up		\$2.571 \$2.571	\$2.945 \$2.945	\$2.400 \$2.400	\$2.640	@SUM(S8.054S8.059)
0.002	wouldeup		φ2.3/1	φ2.940	φ ∠.400		

LING	·		LOOLAHOI	•			
9.000			Wh	olesale Custor	ners		
9.001							
9.002			Southeast		East		
9.003			Daviess	Daviess	Daviess	Subtotal	
9.004							
9.005							
9.006	Sales, FY 1991	/lil. gal	521	338	151	1,010	+S10.027
9.007	Growth Factor		1.393	1.235	2.117		S1.010 through S1.012
9.008	Sales, FY 2022	/lil. gal	726	418	320	1,464	@ROUND(S9.006*S9.007,0)
9.009							
9.010	Total FY 2022 Charges		\$1,866,326	\$1,230,982	\$767,950	\$3,865,258	+S8.050
9.011							
9.012	Effective unit cost (per 1000 gallons)		\$2.571	\$2.945	\$2.400	\$2.640	@ROUND(+S9.010/(1000*S9.008),3)
9.013							
9.014	Rate Floor - set in first fiscal year of						
9.015	operation of New Treatment Facility		\$1.148	\$1.213	\$1.148	\$1.167	(Per Contracts)
9.016							
9.017	WATER RATES effective June 1, 2022		\$2.571	\$2.945	\$2.400	\$2.640	@MAX(+S9.012,+S9.015)
9.018							
9.019	Effective Rate Over (L	Jnder) Floor	\$1.423	\$1.732	\$1.252		
9.020							
9.021							
9.022	Current Rates (per 1000 gallons) - effective	6-1-21	\$2.770	\$3.160	\$2.160		
9.023	Increase (Decrease)		(\$0.199)	(\$0.215)	\$0.240		
9.024	Percent Increase (Decrease)		-7.2%	-6.8%	11.1%		
	· /						

3-14-2022

Analysis: Proforma Charges to Wholesale Customers Fiscal Year Ending May 31, 2022 TRUE-UP CALCULATION

Line		Fiscal Year E TRUE-UP CA								
10.000			Who	lesale Custo	omers			0.444	T . (1)	
10.001 10.002 10.003		 Units	Southeast Daviess	West Daviess		East Daviess	Subtotal	OMU Retail Customers	Total OMU System	
10.004 10.005 10.006	Data for Base Year FY 1989									
10.007 10.008	Average of 5 Maximum Day Demands Amount (a)	mgd	2.330	1.900	(c)	0.582	4.812			
10.009 10.010	Allowance for Transmission Losses Amount Adjusted for Losses	mgd	2% 2.378	2% 1.939)	2% 0.594	Estimated 4.911			
10.011 10.012	For Information Only									
10.013	Annual sales	Mil cf	67.08	45.89		21.02	(a)			
10.014	Annual sales	Mil. gal.	502	343		157	@ROUND(7	.48*S10.013,0)		
10.015	Average Day	mgd	1.38	0.94		0.43	+S10.014/36			
10.016 10.017 10.018	Ratio Max to Average Day		1.69	2.02		1.35	+S10.008/S	10.015		
10.019 10.020	Average of System 5 maximum day demar Allowance for filter wash water	ıds						mgd	17.90 2%	(a)
10.021 10.022	Adj. System 5 Maximum Day Demands (Ba	ase year plant us	sage)					mgd	17.54	@ROUND(+S10.019*(1-S10.020),2)
10.023 10.024	Input data for FY 1991 (a)									
10.025	Annual Sales	Million cf			(b)		135.0	399.2	534.2	
10.027	Annual Sales	Mil. gal.	521	338	(0)	151	1,010	2,986	3,996	
10.028 10.029	Average of 5 Maximum Day Demands	mgd	1.95	1.35	(c)	0.60		\$10.033*S10.027	7/365 3)	
10.029 10.030 10.031	For Information Only	mga	1.95	1.55		0.00	(COND)	10.033 310.021	(1305,5)	
10.032	Average Day	mgd	1.427	0.926		0.414	+S10.027/36	65		
10.033 10.034	Ratio Max to Average Day	-	1.37	1.46		1.45	+S10.029/S	10.032	1.41	<< Ave SE & W
10.035 10.036	Allowance for Transmission Losses		2%	2%)	2%	Estimated			
	Data Adjusted for Water Losses District Data: Annual Water Sales	Mil. gal.	532	345		154	@ROUND(+	-S10.027/(1-S10	.035).0)	
10.040 10.041	Average of 5 Maximum Day Demands	mgd	1.990	1.378		0.612	- ·	S10.029/(1-S10		
	Total System Data:									
10.043	Average of 5 Maximum Day Demands							mgd	17.26	
10.044 10.045	Filter wash water							mgd mgd	0.35 16.91	@ROUND(0.02*S10.043,2) +S10.043-S10.044
10.045 10.046 10.047	Adj. 5 Max. Day Demands							mgd	10.91	+310.043-310.044
10.048	Total treated water						(a)	Mil. gal.	4,944	@ROUND(660.9*7.48,0)
10.049	Filter wash water						. ,	Mil. gal.	98	@ROUND(13.1*7.48,0)
10.050	Treated water delivered to trans. system							Mil. gal.	4,846	+S10.048-S10.049
10.051										
10.052 10.053										
10.053	(a) Source: OMU staff tabulation dated 8-1	9-91		(b) Total wh	olesal	e less Sc	outheast Davie	ess and West Da	aviess	
10.055	May, 1991 Financial Statement			(c) Amount p						
10.056 10.057				ratios of t						
	(d) East Daviess est 5 day max day demand	Million	04.00				ا ا			
10.059	FY 1989 Annual Sales FY 1989 Annual Sales	Million cf	21.02	<< OMU m @ROUND			f district sales	•		
10.060 10.061	Average day demand	Mil. gal. mgd	157.2 0.431	@ROUND	`	,	,			
10.061	Estimated Max day ratio	ingu	1.35		(0.0.0	,50,500,0	<i>'</i>			
10.062 10.063 10.064	Est. East Daviess 5 day max day demand	(mgd)	0.582	@ROUND	(S10.0)61*S10.(062,3)			
10.065 10.066										

10.066 10.067

Fiscal Year	Rate Chg. %	Estimate Gals. (000)	Actual Gals. (000)	Rate/ Thous. Gals. \$	Collected From District \$	Actual Cost \$	Difference
FY 2007 FY 2008	0.00% 8.89%	312,000	311,340	\$1.148 \$1.250	\$357,418	\$397,486	(\$40,068)
FY 2008 FY 2009	8.80%	315,000 309,000	315,964 308,795	\$1.250 \$1.360	\$394,955 \$419,961	\$422,121 \$396,189	(\$27,166) \$23,772
FY 2010	0.00%	299,000	291,304	\$1.360	\$396,173	\$334,417	\$61,756
FY 2011	0.00%	305,000	302,172	\$1.360	\$410,953	\$352,677	\$58,276
FY 2012	0.00%	296,000	301,556	\$1.360	\$410,116	\$359,043	\$51,073
FY 2013	-11.76%	303,000	308,007	\$1.200	\$369,524	\$417,815	(\$48,291)
FY 2014	0.00%	296,000	296,754	\$1.200	\$356,105	\$359,745	(\$3,640)
FY 2015	6.67%	297,000	294,469	\$1.280	\$376,919	\$338,050	\$38,869
FY 2016	0.00%	295,000	292,417	\$1.280	\$374,295	\$350,695	\$23,600
FY 2017	0.00%	297,000	297,336	\$1.280	\$380,590	\$394,433	(\$13,843)
FY 2018	0.00%	309,000	317,367	\$1.280	\$406,230	\$413,412	(\$7,182)
FY 2019	11.02%	290,000	294,748	\$1.421	\$418,874	\$481,561	(\$62,687)
FY 2020	14.71%	302,000	302,523	\$1.630	\$493,112	\$580,966	(\$87,854)
FY 2021	19.02%	310,000	313,709	\$1.940	\$608,554	\$657,628	(\$49,074)
FY 2022	11.34%	315,000	318,777	\$2.160	\$688,559	\$767,950	(\$79,391)
Totals to Date		4,850,000	4,867,238		\$6,862,338	\$7,024,188	(\$161,850)

East Daviess County Water Association Historical Rate Analysis Summary Costs and Charges after Floor

Analysis: Proforma Charges to Wholesale Customers Fiscal Year Ending May 31, 2023 Estimate for FY 2024 Rate

1003 Value System Demands and Usage 32 1005 Water System Annual Quantity Mil. Gal. 4.846 +\$10.050 0% -0.32% 0.903 4.375 1006 District Annual Quantity Mil. Gal. 532 +\$10.039 0% 1.07% 1.408 749 1011 Southeast Daviess Mil. Gal. 545 +\$10.039 0% 1.07% 1.408 749 1011 Southeast Daviess Mil. Gal. 545 +\$10.039 0% 1.07% 1.408 749 1011 Southeast Daviess mgd 1.909 +\$10.040 0% 0.28% 1.343 1.850 1017 East Daviess mgd 1.611 +\$10.040 0% 2.43% 2.164 1.318 1018 System Maximum Day Quantity mgd 1.611 +\$10.045 0% -0.26% 0.921 15.57 1020 Chernicals \$ 1.98,122 (a) 5.70% 0% 5.896 1,589,102 1022	1.000 1.001 1.002			FY 1991 Amount	FY 1991 Reference	Inflation Factor	Growth Factor	Calculated Growth Factor	FY 2023 Amount
1.006 1.007 Valet: System Demands and Usage Vears 1.006 1.007 System Annual Quantity Nill. Gal. 4.846 +\$10.050 0% -0.32% 0.903 4.375 1.009 District Annual Quantity Nill. Gal. 532 +\$10.039 0% 1.07% 1.408 749 1.010 Southeast Daviess Mill. Gal. 345 +\$10.039 0% 0.77% 1.278 441 1.012 East Daviess Mill. Gal. 154 +\$10.040 0% 0.92% 1.343 1.850 1.016 West Daviess mgd 0.612 +\$10.040 0% 0.92% 1.343 1.850 1.016 West Daviess mgd 0.612 +\$10.040 0% 0.92% 1.343 1.850 1.010 Deeration and Maintenance Expense mgd 0.612 +\$10.040 0% 0.921 15.57 1.020 Deeration and Maintenance Expense 1.21,068 (a) 7.27% 0% 5.596 1,689,102 1.0	1.003								
1.007 System Annual Quantity Mil. Gal. 4.846 +\$10.050 0% -0.32% 0.903 4.375 1.009 District Annual Quantity 1009 532 +\$10.039 0% -0.77% 1.408 749 1.010 Southeast Daviess Mil. Gal. 455 +\$10.039 0% 0.77% 1.278 441 1.011 West Daviess Mil. Gal. 154 +\$10.039 0% 2.44% 2.162 333 1.016 Southeast Daviess mgd 1.990 +\$10.040 0% 1.56% 1.642 3.267 1.016 West Daviess mgd 0.612 +\$10.040 0% 2.43% 2.154 1.318 1.017 East Daviess mgd 0.612 +\$10.045 0% 0.26% 0.921 15.57 1.022 Detration and Maintenance Expense \$ 265,521 (a) 7.22% 0% 9.590 1.161,044 1.022 Chemicals \$ 102,054 0.37% <		Water Custom Demonds and Users							
1.007 System Annual Quantity Mil. Gal. 4.846 +\$10.050 0% -0.32% 0.903 4.375 1.009 District Annual Quantity 100 Southeast Daviess Mil. Gal. 552 +\$10.039 0% 1.07% 1.278 441 1.012 East Daviess Mil. Gal. 154 +\$10.039 0% 0.77% 1.278 441 1.012 East Daviess mgd 1.960 +\$10.040 0% 0.02% 1.343 1.850 1.016 West Daviess mgd 1.990 +\$10.040 0% 0.26% 0.921 1.557 1.016 West Daviess mgd 0.612 +\$10.040 0% 2.43% 2.154 1.318 1.018 System Maximum Day Quantity mgd 0.612 +\$10.040 0% 0.26% 0.921 1.557 1.020 Destration and Maintenance Expanse \$ 2.69.521 (a) 5.70% 0% 5.806 1.589,102 1.024 Source of Suppt Stepnene </td <td></td> <td>water System Demands and Usage</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>rears</td> <td></td>		water System Demands and Usage						rears	
1009 District Annual Quantity 100 Number of the second		System Annual Quantity	Mil Gal	4 846	+\$10.050	0%	-0 32%	0 903	4 375
1000 District Annual Quantity 1010 Southeast Daviess Mil. Gal. 352 +\$10.039 0% 0.77% 1.278 4.441 1012 East Daviess Mil. Gal. 354 +\$10.039 0% 2.44% 2.162 333 1013 Maximum Day Quantity 1.56% 1.642 3.267 1016 West Daviess mgd 1.978 +\$10.040 0% 1.26% 1.343 1.850 1017 East Daviess mgd 0.612 +\$10.040 0% 2.43% 2.154 1.318 1018 System Maximum Day Quantity mgd 16.91 +\$10.045 0% -0.26% 0.921 15.57 1020 Operation and Maintenance Expense \$ 121.068 (a) 5.70% 0% 5.896 1.589,102 1023 Transmission and Dist. Expense \$ 121.068 (a) 7.32% 0% 0.510 1.025,768 1024 Source of Suppt Spreense \$ 121.068		Gystem Annual Quantity	Will. Oal.	4,040	1010.000	070	-0.0270	0.000	4,070
1010 Southeast Daviess Mil. Gal. 532 +\$10.039 0% 1.07% 1.278 441 1011 Vest Daviess Mil. Gal. 154 +\$10.039 0% 2.44% 2.162 333 1014 Maximum Day Quantity 333 334 1.564 +\$10.040 0% 0.22% 1.543 1.850 1015 Southeast Daviess mgd 1.378 +\$10.040 0% 0.22% 1.541 1.318 1017 East Daviess mgd 0.612 +\$10.040 0% 0.22% 0.921 15.57 1020 Operation and Maintenance Expense 1.220 1.221 1.557 1.042 3.269,102 1.221 1.251 1.222 1.222 1.222 1.223 Tarsmission and Dist.Expense \$ 1.21,068 (a) 7.32% 0% 5.896 1.569,102 1.621 1.227 0.621 1.251 1.226 0.000 0 0 1.025 Chemicals \$ 1.98,102 (a) 7.32% 0% 0.596 1.161,044 1.025,768 <		District Annual Quantity							
1011 West Daviess Mil. Gal. 345 +\$10.039 0% 0.77% 1.278 4441 1012 East Daviess Mil. Gal. 154 +\$10.039 0% 2.44% 2.162 333 1014 Maximum Day Quantity mgd 1.970 +\$10.040 0% 1.56% 1.642 3.267 1016 West Daviess mgd 0.1378 +\$10.040 0% 0.92% 1.343 1.850 1017 East Daviess mgd 0.612 +\$10.040 0% 0.92% 1.343 1.850 1018 System Maximum Day Quantity mgd 16.91 +\$10.045 0% 0.92% 1.343 1.580 1018 System Maximum Day Quantity mgd 16.91 +\$10.045 0% 0.921 15.57 1020 Detertion and Maintenance Expense \$ 269.521 (a) 7.32% 0% 9.590 1.161.044 1024 Source of Supply Expense \$ 121.068 (a) 7.32% 0% 0.171 69.519 1026 Chemicals \$			Mil. Gal.	532	+S10.039	0%	1.07%	1.408	749
1013 maximum Day Quantity 1990 +\$10.040 0% 1.56% 1.642 3.267 1016 West Daviess mgd 1.378 +\$10.040 0% 0.52% 1.343 1.350 1017 East Daviess mgd 0.612 +\$10.040 0% 0.52% 1.343 1.350 1018 System Maximum Day Quantity mgd 16.91 +\$10.045 0% 0.42% 0.921 15.57 1020 Operation and Maintenance Expense 121,068 (a) 7.32% 0% 9.590 1.161,044 1025 Existing Treatment Plant Expense \$ 122,068 (a) -5.36% 0% 0.771 69,519 1026 Chemicals \$ 0 n/a n/a n/a 1,025,768 1031 Expanded Treatment Plant Expense \$ 0 n/a n/a n/a 1,025,768 1032 Chemicals \$ 0 n/a n/a n/a 1,025,768 1033 Chemicals \$ 0 n/a n/a 1,357,965									
1014 Maximum Day Quantity 1015 Southeast Daviess mgd 1.378 +\$10.040 0% 0.62% 1.343 1.850 1017 East Daviess mgd 0.612 +\$10.040 0% 2.43% 2.154 1.318 1018 System Maximum Day Quantity mgd 16.91 +\$10.045 0% 2.43% 2.154 1.318 1020 Operation and Maintenance Expense 10.91 +\$10.045 0% -0.26% 0.921 15.57 1022 Operation and Maintenance Expense \$ 269,521 (a) 5.70% 0% 5.896 1.589,102 1023 Transmission and Dist. Expense \$ 198,132 (a) 7.32% 0% 0.000 0 1024 Source of Supply Expense \$ 198,132 (a) #MUMit -0.32% 0.000 0 1025 Chemicals \$ 198,132 (a) #MUMit -0.32% 0.000 0 1026 Chemicals \$ 0 n/a n/a n/a 1.37,065 1033	1.012	East Daviess	Mil. Gal.	154	+S10.039	0%	2.44%	2.162	333
1015 Southeast Daviess mgd 1.990 +510.040 0% 1.65% 1.642 3.267 1016 West Daviess mgd 0.612 +S10.040 0% 0.92% 1.343 1.850 1017 East Daviess mgd 0.612 +S10.040 0% 0.92% 1.343 1.850 1019 System Maximum Day Quantity mgd 16.91 +S10.045 0% -0.26% 0.921 15.57 1020 Operation and Maintenance Expense 1.691 +S10.045 0% -0.26% 0.921 15.57 1022 Operation and Maintenance Expense \$ 269,521 (a) 5.70% 0% 5.896 1,691,02 1024 Source of Supply Expense \$ 121,068 (a) -5.36% 0% 0.171 69,519 1025 Chemicals \$ 0 n/a n/a n/a 102,5768 1030 Other \$ 0 n/a n/a n/a 132,5768 1033 Other \$ 0 n/a n/a n/a	1.013								
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1017 East Daviess mgd 0.612 +\$10.040 0% 2.43% 2.154 1.318 1019 System Maximum Day Quantity mgd 16.91 +\$10.045 0% -0.26% 0.921 15.57 1020 Operation and Maintenance Expense 2 2 15.97 1020 1023 Transmission and Dist. Expense \$ 269,521 (a) 5.70% 0% 5.896 1,589,102 1024 Source of Supply Expense \$ 121,068 (a) 7.32% 0/00 0 1026 Chemicals \$ 198,132 (a) #NUMt -0.32% 0.000 0 1028 New Treatment Plant Expense \$ 0 n/a n/a n/a 102,57.88 1030 Other \$ 0 n/a n/a n/a 1.22,57.88 1031 Expanded Treatment Plant Expense \$ 0 n/a n/a 1.32,57.88 1033 Other \$ 8.840 (a) 3.43% -0.32% 2.425 582,478 103	1.015	Southeast Daviess	mgd	1.990	+S10.040			1.642	3.267
1018 system Maximum Day Quantity mgd 16.91 +\$10.045 0% -0.26% 0.921 15.57 1020 Operation and Maintenance Expense 269,521 (a) 5.70% 0% 5.896 1,589,102 1022 Transmission and Dist. Expense \$ 126,068 (a) 7.32% 0% 9.590 1,161,044 1026 Chemicals \$ 198,132 (a) #NUMI -0.32% 0.000 0 1027 Other \$ 405,493 (a) -5.36% 0% 0.171 69,519 1028 New Treatment Plant Expense \$ 0 n/a n/a n/a 1,25,768 1031 Expanded Treatment Plant Expense \$ 0 n/a n/a 1,357,965 1033 Chemicals \$ 0 n/a n/a n/a 1,357,965 1034 Pumping Expense \$ 240,191 (a) 3,13% -0.32% 2,425 582,478 1036 Other-Exsting Plant \$ 0 n/a n/a n/a <t< td=""><td></td><td>West Daviess</td><td>mgd</td><td>1.378</td><td>+S10.040</td><td></td><td>0.92%</td><td>1.343</td><td>1.850</td></t<>		West Daviess	mgd	1.378	+S10.040		0.92%	1.343	1.850
1 019 System Maximum Day Quantity mgd 16.91 +\$10.045 0% -0.26% 0.921 15.57 1 020 Operation and Maintenance Expense 209,521 (a) 5.70% 0% 5.896 1.589,102 1 022 Transmission and Dist. Expense \$ 121,068 (a) 7.32% 0% 9.590 1,161,044 1 025 Existing Treatment Plant Expense \$ 198,132 (a) #NUMI -0.32% 0.000 0 1 026 Chemicals \$ 198,132 (a) #NUMI -0.32% 0.000 0 1 029 Chemicals \$ 0 n/a n/a n/a 132,676 1 030 Other \$ 0 n/a n/a n/a 1,25,768 1 031 Expanded Treatment Plant Expense \$ 0 n/a n/a 1,25,768 1 033 Other \$ 8,491 (a) 3,13% -0.32% 2,425 562,478 1 034 Pumping Expense \$ 0 n/a n/a n/a 1,45		East Daviess	mgd	0.612	+S10.040	0%	2.43%	2.154	1.318
1.020 Operation and Maintenance Expense 1.021 Operation and Maintenance Expense 1.022 Transmission and Dist. Expense \$ 269,521 (a) 5.70% 0% 5.896 1,689,102 1.024 Source of Supply Expense \$ 121,068 (a) 7.32% 0% 9.590 1,161,044 1.025 Existing Treatment Plant Expense \$ 198,132 (a) #NUMI -0.32% 0.000 0 1.026 Chemicals \$ 198,132 (a) #NUMI -0.32% 0.000 0 1.027 Other \$ 0 n/a n/a n/a 132,878 1.030 Other \$ 0 n/a n/a 1,25,768 1.033 Chemicals \$ 0 n/a n/a n/a 1,35,765 1.033 Chereicals \$ 0 n/a n/a n/a 1,35,765 1.033 Other-Assing Plant \$ 8,840 (a) 4									
1.021 Operation and Maintenance Expense 1.022 Transmission and Dist. Expense \$ 269,521 (a) 5.70% 0% 5.896 1,589,102 1.024 Source of Supply Expense \$ 121,068 (a) 7.32% 0% 9.590 1,161,044 1.025 Existing Treatment Plant Expense \$ 198,132 (a) #NUMI -0.32% 0.000 0 1.026 Chemicals \$ 198,132 (a) #NUMI -0.32% 0.000 0 1.027 Other \$ 405,493 (a) -5.36% 0% 0.171 69,519 1.028 New Treatment Plant Expense 0 n/a n/a n/a 104,326,768 1.030 Other \$ 0 n/a n/a n/a 1,43,1357,965 1.031 Expanded Treatment Plant Expense \$ 0 n/a n/a 1,357,965 1.033 Other Existing Plant \$ 8,840 (a) -4,86% 0% 0.203 1,794 1.035 Electric Power \$ 240		System Maximum Day Quantity	mgd	16.91	+S10.045	0%	-0.26%	0.921	15.57
1.022 Tansmission and Dist. Expense \$ 269,521 (a) 5.70% 0% 5.896 1,589,102 1.024 Source of Supply Expense \$ 121,068 (a) 7.32% 0% 9.590 1,161,044 1.025 Existing Treatment Plant Expense \$ 198,132 (a) #NUMI -0.32% 0.000 0 1.027 Other \$ 405,493 (a) -5.36% 0% 0.171 69,519 1.029 Chemicals \$ 0 n/a n/a n/a 1,32,878 1.030 Other \$ 0 n/a n/a n/a 1,025,768 1.031 Expanded Treatment Plant Expense \$ 0 n/a n/a n/a 1,357,965 1.032 Chemicals \$ 240,191 (a) 3.13% 0.32% 2.425 582,473 1.035 Electric Power \$ 240,191 (a) 3.13% 0.32% 2.425 582,473 1.036 Other-Existing Plant \$ 8,840 (a) 4.46% 0%		One section and Maintenance Function							
1.023 Transmission and Dist. Expense \$ 269,521 (a) 5.70% 0% 5,896 1,589,102 1.024 Source of Supply Expense \$ 121,068 (a) 7.32% 0% 9.590 1,161,044 1.025 Chemicals \$ 198,132 (a) #NUMI -0.32% 0.000 0 1.026 Chemicals \$ 198,132 (a) #NUMI -0.32% 0.000 0 1.027 Other \$ 405,493 (a) -5.36% 0% 0.171 68,519 1.028 New Treatment Plant Expense 0 n/a n/a n/a n/a 1,22,678 1.031 Expanded Treatment Plant Expense 0 n/a n/a n/a n/a 1,25,768 1.032 Chemicals \$ 0 n/a n/a n/a n/a 1,25,768 1.035 Electric Power \$ 240,191 (a) 3,13% -0.32% 2.425 582,478 1.036 Other-Existing Plant \$ 8,840 (a) -4.86%		Operation and Maintenance Expense							
1.024 Source of Supply Expense \$ 121,068 (a) 7.32% 0% 9.590 1,161,044 1.025 Existing Treatment Plant Expense \$ 198,132 (a) #NUMI -0.32% 0.000 0 1.027 Other \$ 405,493 (a) -5.36% 0% 0.171 65,519 1.029 Chemicals \$ 0 n/a n/a n/a 132,878 1.030 Other \$ 0 n/a n/a n/a 1,32,878 1.031 Expanded Treatment Plant Expense 0 n/a n/a n/a 1,32,678 1.032 Chemicals \$ 0 n/a n/a n/a 1,32,678 1.032 Chemicals \$ 0 n/a n/a n/a 1,32,678 1.033 Other Sitting Plant \$ 0 n/a n/a 1,357,965 1.036 Other-Existing Plant \$ 8,840 (a) 4.38% 0% 2.425 582,478 1.036 Other-Existing Plan		Transmission and Dist Expense	¢	260 521	(2)	5 70%	0%	5 806	1 580 102
1.025 Existing Treatment Plant Expense 198,132 (a) #NUMI -0.32% 0.000 0 1.026 Chemicals \$ 198,132 (a) #NUMI -0.32% 0.000 0 1.027 Other \$ 405,493 (a) -5.36% 0% 0.171 69,519 1.028 New Treatment Plant Expense \$ 0 n/a n/a n/a 132,878 1.030 Other \$ 0 n/a n/a n/a 1,227,768 1.031 Expanded Treatment Plant Expense \$ 0 n/a n/a n/a 1,227,768 1.032 Chemicals \$ 0 n/a n/a n/a 1,325,7965 1.033 Other \$ 240,191 (a) 3.13% -0.32% 2.425 582,478 1.035 Electric Power \$ 240,191 (a) 3.13% -0.32% 2.425 582,478 1.036 Other-Existing Plant \$ 8,840 (a) -4.86% 0% 0.00,544 1.040				,					
1.026 Chemicals \$ 198,132 (a) #NUMI -0.32% 0.000 0 1.027 Other \$ 405,493 (a) -5.36% 0% 0.171 69,519 1.029 Chemicals \$ 0 n/a n/a n/a n/a 132,878 1.030 Other \$ 0 n/a n/a n/a n/a 1,025,768 1.032 Chemicals \$ 0 n/a n/a n/a 1,357,965 1.032 Chemicals \$ 0 n/a n/a n/a 1,357,965 1.033 Other \$ 240,191 (a) 3.13% -0.32% 2.425 582,478 1.035 Electric Power \$ 240,191 (a) 3.13% -0.32% 2.425 582,478 1.036 Other-New Plant \$ 8,840 (a) -4.86% 0% 0.203 1,744 1.038 Other-New Plant \$ 0 n/a n/a n/a 100,544 1.039 Other-Expand			Ψ	121,000	(a)	1.5270	070	3.550	1,101,044
1.027 Other \$ 405,493 (a) -5.36% 0% 0.171 69,519 1.028 New Treatment Plant Expense \$ 0 n/a n/a n/a 132,878 1.030 Other \$ 0 n/a n/a n/a n/a 1,32,878 1.031 Expanded Treatment Plant Expense \$ 0 n/a n/a n/a 1,025,768 1.032 Chemicals \$ 0 n/a n/a n/a 536,363 1.033 Other \$ 0 n/a n/a n/a 1,357,965 1.035 Electric Power \$ 240,191 (a) 3,13% -0.32% 2.425 582,478 1.036 Other-Existing Plant \$ 8,840 (a) -4.86% 0% 0.203 1,794 1.037 Other-Existing Plant \$ 0 n/a n/a n/a 100,544 1.038 Other-Expanded Plant \$ 0 n/a n/a 100,544 1.044 Customer Accounting & Information <t< td=""><td></td><td>a 1</td><td>\$</td><td>198 132</td><td>(a)</td><td>#NUM!</td><td>-0.32%</td><td>0.000</td><td>0</td></t<>		a 1	\$	198 132	(a)	#NUM!	-0.32%	0.000	0
1.028 New Treatment Plant Expense Name n/a n/a n/a n/a n/a 1.02,768 1.030 Other \$ 0 n/a n/a <td></td> <td></td> <td></td> <td>,</td> <td></td> <td></td> <td></td> <td></td> <td></td>				,					
1.029 Chemicals \$ 0 n/a n/a n/a n/a 132,878 1.030 Other \$ 0 n/a n/a n/a n/a n/a 1,025,788 1.032 Chemicals \$ 0 n/a n/a n/a n/a 56,363 1.032 Chemicals \$ 0 n/a n/a n/a n/a 556,363 1.033 Other \$ 0 n/a n/a n/a 1,357,965 1.035 Electric Power \$ 240,191 (a) 3,13% -0.32% 2.425 582,478 1.036 Other-Existing Plant \$ 0 n/a n/a n/a 1,057,965 1.037 Other-Expanded Plant \$ 0 n/a n/a n/a 1,054 1.038 Other-Expanded Plant \$ 689,980 (a) 2.78% 0% 2.406 1,659,900 1.041 Customer Accounting & Information \$ 176,825 (a) 4.38% 0% 3.945 697,500			÷	100,100	(4)	0.0070	0,0	0	00,010
1.030 Other \$ 0 n/a n/a n/a n/a 1,025,768 1.031 Expanded Treatment Plant Expense 0 n/a n/a n/a 536,363 1.033 Other \$ 0 n/a n/a n/a n/a 536,363 1.033 Other \$ 0 n/a n/a n/a n/a 1,357,965 1.034 Pumping Expense \$ 240,191 (a) 3.13% -0.32% 2.425 582,478 1.036 Other-Existing Plant \$ 8,840 (a) -4.86% 0% 0.203 1,794 1.037 Other-Expended Plant \$ 0 n/a n/a n/a 545,589 1.039 Other-Expenses \$ 689,980 (a) 2.78% 0% 2.406 1,659,900 1.041 Customer Accounting & Information \$ 176,825 (a) 4.38% 0% 3.945 697,500 1.043 (a) FY 1991 financial statements. \$ 100 0 0 0 0 0 </td <td></td> <td></td> <td>\$</td> <td>0</td> <td></td> <td>n/a</td> <td>n/a</td> <td>n/a</td> <td>132.878</td>			\$	0		n/a	n/a	n/a	132.878
1.031 Expanded Treatment Plant Expense 1.032 Chemicals \$ 0 n/a n/a n/a 536,363 1.033 Other \$ 0 n/a 1.34 n/a 1,357,965 1.035 Electric Power \$ 240,191 (a) 3.13% -0.32% 2.425 582,478 1.036 Other-Existing Plant \$ 8,840 (a) -4.86% 0% 0.203 1.794 1.037 Other-New Plant \$ 0 n/a n/a n/a 54,588 1.038 Other-Expanded Plant \$ 0 n/a n/a n/a 100,544 1.039 Customer Accounting & Information \$ 176,825 (a) 4.38% 0% 2.406 1,659,900 1.041 Customer Accounting & Information \$ 176,825 (a) 4.38% 0% 3.945 697,500 1.044 									
1.032 Chemicals \$ 0 n/a n/a n/a n/a n/a 1,356,363 1.033 Other \$ 0 n/a n/a n/a n/a 1,357,965 1.035 Electric Power \$ 240,191 (a) 3,13% -0.32% 2.425 582,478 1.036 Other-Existing Plant \$ 8,840 (a) -4.86% 0% 0.203 1,794 1.037 Other-New Plant \$ 0 n/a n/a n/a n/a 1,455,888 1.038 Other-Expanded Plant \$ 0 n/a n/a n/a 1,054 1.041 Customer Accounting & Information \$ 176,825 (a) 4.38% 0% 3.945 697,500 1.042 (a) FY 1991 financial statements. 2,110,050	1.031	Expanded Treatment Plant Expense							
1.034 Pumping Expense 1.035 Electric Power \$ 240,191 (a) 3.13% -0.32% 2.425 582,478 1.036 Other-Existing Plant \$ 0,480 (a) -4.86% 0% 0.203 1,794 1.037 Other-New Plant \$ 0 n/a n/a n/a for and a	1.032		\$	0		n/a	n/a	n/a	536,363
1.035 Electric Power \$ 240,191 (a) 3.13% -0.32% 2.425 582,478 1.036 Other-Existing Plant \$ 8,840 (a) -4.86% 0% 0.203 1,794 1.037 Other-New Plant \$ 0 n/a n/a n/a st,588 1.038 Other-Expanded Plant \$ 0 n/a n/a n/a 54,588 1.039 Other-Expanded Plant \$ 0 n/a n/a n/a 54,588 1.041 Customer Accounting & Information \$ 176,825 (a) 4.38% 0% 3.945 697,500 1.042	1.033	Other	\$	0		n/a	n/a	n/a	1,357,965
1.036 Other-Existing Plant \$ 8,840 (a) -4.86% 0% 0.203 1,794 1.037 Other-New Plant \$ 0 n/a n/a n/a n/a 54,588 1.038 Other-Expanded Plant \$ 0 n/a n/a n/a 100,544 1.039	1.034	Pumping Expense							
1.037 Other-New Plant \$ 0 n/a n/a n/a n/a 103 1.038 Other-Expanded Plant \$ 0 n/a n/a n/a 100,544 1.039 1040 Administrative Expenses \$ 689,980 (a) 2.78% 0% 2.406 1,659,900 1.041 Customer Accounting & Information \$ 176,825 (a) 4.38% 0% 3.945 697,500 1.042 (a) FY 1991 financial statements. 2,110,050 8,969,443 04 1.044 1.045 2,110,050 8,969,443 0% 3.945 697,500 1.044 044 044 044 045 0 0 0 1.044 1.045 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0<									
1.038 Other-Expanded Plant \$ 0 n/a n/a n/a 100,544 1.039 Administrative Expenses \$ 689,980 (a) 2.78% 0% 2.406 1,659,900 1.041 Customer Accounting & Information \$ 176,825 (a) 4.38% 0% 3.945 697,500 1.042					(a)				
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1.040 Administrative Expenses \$ 689,980 (a) 2.78% 0% 2.406 1,659,900 1.041 Customer Accounting & Information \$ 176,825 (a) 4.38% 0% 3.945 697,500 1.042 .043 (a) FY 1991 financial statements. 2,110,050 8,969,443 1.044 .044 .044 .044 .044 .044 .044 1.044 .044 .045 .047 .041 .041 .041 .041 1.044 .045 .041 .041 .041 .041 .041 .041 .041 1.047 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .051 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 </td <td></td> <td>Other-Expanded Plant</td> <td>\$</td> <td>0</td> <td></td> <td>n/a</td> <td>n/a</td> <td>n/a</td> <td>100,544</td>		Other-Expanded Plant	\$	0		n/a	n/a	n/a	100,544
1.041 Customer Accounting & Information \$ 176,825 (a) 4.38% 0% 3.945 697,500 1.042 1.043 (a) FY 1991 financial statements. 2,110,050 8,969,443 1.044 1.044 2,110,050 8,969,443 1.044 1.044 1.044 0 1.044 1.044 1.044 1.044 0 0 0 1.045 1.046 Existing Plant \$ 487,100 0 1.048 Existing Plant \$ 487,100 0 0 1.050 2003 Improvements \$ 0 317,211 1.051 2009 Improvements \$ 0 407,000 1.052 2014 Improvements \$ 0 225,173 1.053 2015 Improvements \$ 0 212,902 1.054 Cavin Plant \$ 0 2487,100 1.056 487,100 447,0764 4,420,764 1.057 4420,764 4,420,764 4,420,764			•	000 000	(-)	0.700/	00/	0.400	4 050 000
1.042 2,110,050 1.043 (a) FY 1991 financial statements. 2,110,050 1.044 1.045 1.045 0 1.046 0 1.047 0 1.048 Existing Plant \$ 487,100 1.049 1999 Improvements \$ 0 1.050 2003 Improvements \$ 0 1.051 2009 Improvements \$ 0 1.052 2014 Improvements \$ 0 1.053 2015 Improvements \$ 0 1.054 Cavin Plant \$ 0 1.055 2018 Improvements \$ 0 1.055 2018 Improvements \$ 0 1.056 487,100 447,0764		•		,					
1.043 (a) FY 1991 financial statements. 2,110,050 1.044 1.045 1.046 Debt Service Payments 1.047 1.046 1.048 Existing Plant \$ 487,100 1.049 1999 Improvements \$ 0 1.050 2003 Improvements \$ 0 1.051 2009 Improvements \$ 0 1.052 2014 Improvements \$ 0 1.053 2015 Improvements \$ 0 1.054 Cavin Plant \$ 0 1.055 2018 Improvements \$ 0 1.056 487,100 487,100		Customer Accounting & Information	\$	176,825	(a)	4.38%	0%	3.945	697,500
1.044 1.045 1.046 Debt Service Payments 1.047 1.048 Existing Plant \$ 487,100 1.049 1999 Improvements \$ 0 1.050 2003 Improvements \$ 0 1.051 2009 Improvements \$ 0 1.052 2014 Improvements \$ 0 1.053 2015 Improvements \$ 0 1.054 Cavin Plant \$ 0 1.055 2018 Improvements \$ 0 1.056 487,100 447,004		(a) EV 1001 financial statements		2 110 050					8 060 113
1.045 1.046 Debt Service Payments 1.047 1.048 Existing Plant \$ 487,100 1.049 1999 Improvements \$ 0 1.050 2003 Improvements \$ 0 1.051 2009 Improvements \$ 0 1.052 2014 Improvements \$ 0 1.053 2015 Improvements \$ 0 1.054 Cavin Plant \$ 0 1.055 2018 Improvements \$ 0 1.056 487,100 447,004 1.057 487,100 4420,764		(a) i i 1991 illanciai statements.		2,110,030				:	0,303,443
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1.047 0 1.048 Existing Plant \$ 487,100 0 1.049 1999 Improvements \$ 0 0 1.050 2003 Improvements \$ 0 317,211 1.051 2009 Improvements \$ 0 407,000 1.052 2014 Improvements \$ 0 225,173 1.053 2015 Improvements \$ 0 212,902 1.054 Cavin Plant \$ 0 804,958 1.055 2018 Improvements \$ 0 2,453,520 1.056 487,100 4,420,764		Debt Service Payments							
1.048 Existing Plant \$ 487,100 0 1.049 1999 Improvements \$ 0 0 1.050 2003 Improvements \$ 0 317,211 1.051 2009 Improvements \$ 0 407,000 1.052 2014 Improvements \$ 0 225,173 1.053 2015 Improvements \$ 0 212,902 1.054 Cavin Plant \$ 0 804,958 1.055 2018 Improvements \$ 0 2,453,520 1.056		<u>Bobt corrido r dymonto</u>							
1.049 1999 Improvements \$ 0 0 1.050 2003 Improvements \$ 0 317,211 1.051 2009 Improvements \$ 0 407,000 1.052 2014 Improvements \$ 0 225,173 1.053 2015 Improvements \$ 0 212,902 1.054 Cavin Plant \$ 0 804,958 1.055 2018 Improvements \$ 0 2,453,520 1.056		Existing Plant	\$	487,100					0
1.050 2003 Improvements \$ 0 317,211 1.051 2009 Improvements \$ 0 407,000 1.052 2014 Improvements \$ 0 225,173 1.053 2015 Improvements \$ 0 212,902 1.054 Cavin Plant \$ 0 804,958 1.055 2018 Improvements \$ 0 2,453,520 1.056									
1.052 2014 Improvements \$ 0 225,173 1.053 2015 Improvements \$ 0 212,902 1.054 Cavin Plant \$ 0 804,958 1.055 2018 Improvements \$ 0 2,453,520 1.057 487,100 4420,764 4,420,764				0					317,211
1.052 2014 Improvements \$ 0 225,173 1.053 2015 Improvements \$ 0 212,902 1.054 Cavin Plant \$ 0 804,958 1.055 2018 Improvements \$ 0 2,453,520 1.057 487,100 4420,764 4,420,764									
1.053 2015 Improvements \$ 0 212,902 1.054 Cavin Plant \$ 0 804,958 1.055 2018 Improvements \$ 0 2,453,520 1.056	1.052	•	\$	0					
1.054 Cavin Plant \$ 0 804,958 1.055 2018 Improvements \$ 0 2,453,520 1.056	1.053		\$	0					
1.056 487,100 4,420,764 1.057 4,420,764 4,420,764			\$						
1.057		2018 Improvements	\$						
				487,100				:	4,420,764
1.058									
	1.058								

Line

3-21-2023

Schedule 2 Exhibit B-1 for FY 2023 Determine District Percentage Responsibility for Costs

Analysis: Proforma Charges to Wholesale Customers Fiscal Year Ending May 31, 2023 Estimate for FY 2024 Rate

			Ending May 31 FY 2024 Rate						
0			Whole	esale Custor	ners		0.444	Tabl	
1 2 3 4		Units	Southeast Daviess	West Daviess	East Daviess	Subtotal	OMU Retail Customers	Total OMU System	
	FY 2023 System Annual Quantity FY 2023 District Annual Quantity	Mil. gal. Mil. gal.	749	441	333	1,523	2,852 +S1.010, +S		+S1.007 012
;)	District Responsibility for Variable Expense	es	17.12%	10.08%	7.61%	34.81%	@ROUND(+	S2.007/S2.0	06,4)
)	inteint Dennen sikilite for Final Oanta of Friddie								
2 <u>D</u> 3	istrict Responsibility for Fixed Costs of Existin	ig Facilities							
5 F	Y 1989 District Base Quantity Y 1989 Plant Usage (Base) fter June 1, 2018?	mgd mgd Yes	2.378	1.939	0.594	4.911	+S10.010	17.54	+S10.021
7 3	Percentages after June 1, 2018 District Responsibility for Fixed Costs of E		13.56%	9.65%	4.09%	27.30%			
9 0	Percent	Alsting Facilities	13.56%	9.65%	4.09%	27.30%	@IF(S2.016=	No,ROUND	(+S2.014/S2.015,4),ROUND(+S2.0
	istrict Responsibility for Fixed Costs of Existin	ng Transmission	Facilities						
3 4 5 6	FY 2023 District Maximum Day Quantity FY 2023 System Maximum Day Quantity		3.267	1.850	1.318	6.435	+S1.015, +S)17 +S1.019
7 3	District Responsibility for Fixed Costs of E Percent	xisting Transmis	sion Facilities 20.98%	11.88%	8.46%	41.32%	@ROUND(+	S2.024/S2.0	25,4)
9) 1 <u>D</u>	istrict Responsibility for Fixed Costs of New F	acilities							
2 3	FY 2023 System Maximum Day Quantity							15.57	+S1.019
5 4 5	less Base Year Plant Usage	mgd mgd						17.54	Contract
6	New Plant Capacity	mgd						10.00	Input
7	FY 2023 New Plant Usage	mgd	(but not loca	than zora)				. ,	+S2.033-S2.034
8 9	FY 2023 New Plant Usage FY 2023 Reserve Capacity	mgd mgd	(but not less	than zero)				0.00 10.00	@IF(S2.037<0,0,+S2.037) +S2.036-S2.038
) 1	FY 2023 Maximum Day Quantity	mgd	3.267	1.850	1.318	6.435	+S2.024		
2	FY 1989 District Base Quantity	mgd	2.378	1.939	0.594	4.911	+S10.010		
3 4	District Growth Quantity But not less than zero	mgd mgd	0.889 0.889	(0.089) 0.000	0.724 0.724		+S2.041-S2. @IF(S2.043		3)
5 6	District Growth Ratio		1.000	0.000	1.000		@IF(S2.038=	:0,@IF(S2.04	44=0,0,1),S2.044/S2.038
7 8	Ratio District Growth Quantity / New Plant	Capacity							
9 0 1	Factor	percent	8.89%	0.00%	7.24%		@ROUND(S	2.044/S2.03	6,4)
2 3	Minimum District Responsibility	percent	12.75%	8.25%	4.00%	25.00%	(a)		
4 5 6	District Responsibility for Fixed Costs of N Percent	ew Facilities	12.75%	8.25%	7.24%	28.24%	@MAX(S2.0	50 S2 053)	
7 8	(a) Per Contracts.			0.2070		2012170	@	00,02.0007	
	istrict Responsibility for Fixed Costs of Expan	ded Facilities							
1 2 3	FY 2023 System Maximum Day Quantity less Base Year Plant Usage	mgd mgd						15.57 17.54	+S1.019 Contract
4 5	New Plant Capacity	mgd						10.00	Input
6	FY 2023 Expanded Plant Usage	mgd						(1.97)	•
7	FY 2023 Expanded Plant Usage	mgd	(but not less	than zero)				0.00	@IF(S2.066<0,0,+S2.066)
8 9	FY 2023 Reserve Capacity	mgd						10.00	+S2.065-S2.067
0	FY 2023 Maximum Day Quantity	mgd	3.267	1.850	1.318	6.435	+S2.024		
1	FY 1989 District Base Quantity	mgd	2.378	1.939	0.594	4.911	+S10.010	074	
2 3	District Growth Quantity But not less than zero	mgd mgd	0.889 0.889	(0.089) 0.000	0.724 0.724		+S2.070-S2. @IF(S2.072·		2)
4 5	District Growth Ratio		1.000	0.000	1.000				-) 73=0,0,1),S2.073/S2.067
6 7	Ratio District Growth Quantity / Expanded	Plant Capacitv					J (-=:007	,	,.,,,,
8 9	Factor	percent	8.89%	0.00%	7.24%		@ROUND(S	2.073/S2.06	5,4)
0		•					C		· •
1 2 3	Minimum District Responsibility	percent	15.61%	10.94%	7.07%	33.62%	(a)		
4	District Responsibility for Fixed Costs of E Percent	xpanded Faciliti	es 45 a tavRa	te Calculatio	on.xls 7.24%	33.79%	@MAX(S2.0	70.00.000)	

Owensboro Municipal Utilities ~ Black & Veatch Project: 17656.010

3-21-2023

	ission O&M Expense	Analysis: Proforma Charges to Wholesale Customers Fiscal Year Ending May 31, 2023				
Line		Estimate for FY 2024 Rate				
3.000						
3.001						
3.002	FY 2023 Annual Transmission & Distribution Exp	bense \$1	,589,102	+S1.023	(a)	
3.003						
3.004	Beginning of year inch-feet of transmission and of	distribution system	n			
3.005						
3.006	Distribution mains (less than 8 inch)	6	,950,590			
3.007		_				
3.008	Transmission mains (8 inch & over)	5	,334,994			
3.009						
3.010	Total	12	,285,584			
3.011	The second sector sector		40.400/			
3.012	Transmission portion		43.42%			
3.013 3.014	Coloulated Transmission ORM Evenence		\$689.988		(62 002*62 012 0)	
3.014	Calculated Transmission O&M Expense		\$009,900	@ROUND	(S3.002*S3.012,0)	
3.015	Net Distribution O&M Expense	c	\$899.114	+S3.002-S	3 01/	
3.017	Net Distribution Odim Expense	,	033,114	100.002-0	5.014	
3.018						
3.019						
3.020						
3.021	(a) Total water trans. & dist. expense less r	naintenance of se	rvices.			
3.022	meters, hydrants and misc. plant.		-,			
3.023	, ,					

Schedule 4
Exhibit D for FY 2023
Water Supply & Treatment O&M Expense

Analysis: Proforma Charges to Wholesale Customers Fiscal Year Ending May 31, 2023 Estimate for FY 2024 Rate

Line			Ending May 31, 2023 FY 2024 Rate
4.000		FY 2023	
4.001 4.002		\$	
4.003			
4.004	Source of Supply Expense	1,161,044	+S1.024
4.005			
4.006	Water Treatment		
4.007	8		
4.008		0	
4.009	Other	69,519	+S1.027
4.010			
4.011			
4.012		132,878	
4.013	Other	1,025,768	+S1.030
4.014			
4.015	Expanded Plant		
4.016	Chemicals	536,363	
4.017	Other	1,357,965	+S1.033
4.018			
	Pumping Expense		
4.020	Electric Power	582,478	
4.021	5	1,794	
4.022		54,588	
4.023	Other-Expanded Plant	100,544	+S1.038
4.024			
	Variable Expenses	500 470	. 0.1.000
4.026	Electric Power	582,478	
4.027	Chemicals-Existing Plant	0	
4.028	Chemicals-New and Expanded Plant	669,241	
4.029	Total Variable Expenses	1,251,719	@SUM(S4.026S4.028)
4.030			
4.031 4.032			
4.032			
4.033			

Rate Calculation.xls

5.004 5.005 5.006 5.007 5.008 5.009 5.010	Existing Revenue Bonds Annual P & I Allocation - Existing Revenue Bonds Water Supply & Treatment Transmission Mains Total New Revenue Bonds Debt Service on Improvements - 1999 Bonds Annual P & I Debt Service on Improvements - 2003 Bonds Annual P & I Debt Service on Improvements - 2009 Bonds Annual P & I Debt Service on Improvements - 2014 Bonds Annual P & I Debt Service on Improvements - 2015 Bonds Annual P & I Debt Service on Cavin Project Annual P & I Debt Service on Cavin Project Annual P & I Debt Service on Improvements - 2018 Bonds Annual P & I		FY 2023 \$ 0 0 0 0 317,211 407,000 225,173 212,902	+\$1.048 @ROUND(\$5.004*\$5.007,0) @ROUND(\$5.004*\$5.008,0) +\$5.007+\$5.008 +\$1.049 +\$1.050 +\$1.051 +\$1.051
.001 .002 .003 .004 .005 .006 .007 .008 .009 .010 .011 .012 .013 .014 .015 .016 .017 .018 .019 .021 .022 .023 .024 .025 .026 .027 .028 .029 .030 .031 .032 .0331 .034 .035	Annual P & I Allocation - Existing Revenue Bonds Water Supply & Treatment Transmission Mains Total New Revenue Bonds Debt Service on Improvements - 1999 Bonds Annual P & I Debt Service on Improvements - 2003 Bonds Annual P & I Debt Service on Improvements - 2009 Bonds Annual P & I Debt Service on Improvements - 2014 Bonds Annual P & I Debt Service on Improvements - 2015 Bonds Annual P & I Debt Service on Cavin Project Annual P & I Debt Service on Improvements - 2018 Bonds Annual P & I Debt Service on Improvements - 2018 Bonds Annual P & I	66.28% 33.72% 100.00%	\$ 0 0 0 0 317,211 407,000 225,173	@ROUND(S5.004*S5.007,0) @ROUND(S5.004*S5.008,0) +S5.007+S5.008 +S1.049 +S1.050 +S1.051
.003 I .004 .005 .006 .007 .008 .009 .001 I .003 .010 .011 I .013 .014 .015 .016 .017 .018 .019 .020 .021 .022 .023 .024 .025 .026 .027 .028 .030 .031 .033 .034 .035 .036	Annual P & I Allocation - Existing Revenue Bonds Water Supply & Treatment Transmission Mains Total New Revenue Bonds Debt Service on Improvements - 1999 Bonds Annual P & I Debt Service on Improvements - 2003 Bonds Annual P & I Debt Service on Improvements - 2009 Bonds Annual P & I Debt Service on Improvements - 2014 Bonds Annual P & I Debt Service on Improvements - 2015 Bonds Annual P & I Debt Service on Cavin Project Annual P & I Debt Service on Improvements - 2018 Bonds Annual P & I Debt Service on Improvements - 2018 Bonds Annual P & I	66.28% 33.72% 100.00%	0 0 0 317,211 407,000 225,173	@ROUND(S5.004*S5.007,0) @ROUND(S5.004*S5.008,0) +S5.007+S5.008 +S1.049 +S1.050 +S1.051
.004 .005 .006 .007 .008 .009 .0101 .012 .013 .014 .015 .016 .017 .018 .019 .010 .011 .012 .013 .014 .015 .016 .017 .018 .019 .020 .021 .022 .023 .024 .025 .026 .027 .028 .029 .0301 .032 .0331 .034 .035	Annual P & I Allocation - Existing Revenue Bonds Water Supply & Treatment Transmission Mains Total New Revenue Bonds Debt Service on Improvements - 1999 Bonds Annual P & I Debt Service on Improvements - 2003 Bonds Annual P & I Debt Service on Improvements - 2009 Bonds Annual P & I Debt Service on Improvements - 2014 Bonds Annual P & I Debt Service on Improvements - 2015 Bonds Annual P & I Debt Service on Cavin Project Annual P & I Debt Service on Improvements - 2018 Bonds Annual P & I Debt Service on Improvements - 2018 Bonds Annual P & I	66.28% 33.72% 100.00%	0 0 317,211 407,000 225,173	@ROUND(S5.004*S5.007,0) @ROUND(S5.004*S5.008,0) +S5.007+S5.008 +S1.049 +S1.050 +S1.051
.005 .006 .007 .008 .009 .009 .010 .011 .011 .012 .013 .014 .015 .016 .016 .017 .018 .019 .0201 .016 .017 .018 .018 .019 .0201 .022 .0223 .024 .0225 .026 .0227 .028 .0203 .0331 .0332 .0334 .0335 .036	Allocation - Existing Revenue Bonds Water Supply & Treatment Transmission Mains Total New Revenue Bonds Debt Service on Improvements - 1999 Bonds Annual P & I Debt Service on Improvements - 2003 Bonds Annual P & I Debt Service on Improvements - 2019 Bonds Annual P & I Debt Service on Improvements - 2014 Bonds Annual P & I Debt Service on Improvements - 2015 Bonds Annual P & I Debt Service on Cavin Project Annual P & I Debt Service on Improvements - 2018 Bonds Annual P & I Debt Service on Improvements - 2018 Bonds Annual P & I	66.28% 33.72% 100.00%	0 0 317,211 407,000 225,173	@ROUND(S5.004*S5.007,0) @ROUND(S5.004*S5.008,0) +S5.007+S5.008 +S1.049 +S1.050 +S1.051
.006 .007 .008 .009 .001 .011 .012 .013 .014 .015 .015 .016 .017 .018 .019 .022 .023 .024 .024 .025 .025 .026 .026 .023 .030 .031 .032 .033 .034 .035	Water Supply & Treatment Transmission Mains Total New Revenue Bonds Debt Service on Improvements - 1999 Bonds Annual P & I Debt Service on Improvements - 2003 Bonds Annual P & I Debt Service on Improvements - 2019 Bonds Annual P & I Debt Service on Improvements - 2014 Bonds Annual P & I Debt Service on Improvements - 2015 Bonds Annual P & I Debt Service on Cavin Project Annual P & I Debt Service on Improvements - 2018 Bonds Annual P & I Debt Service on Improvements - 2018 Bonds Annual P & I	66.28% 33.72% 100.00%	0 0 317,211 407,000 225,173	@ROUND(\$5.004*\$5.008,0) +\$5.007+\$5.008 +\$1.049 +\$1.050 +\$1.051
.008 .009 .0010 .011 .0111 .011 .0112 .013 .0114 .011 .0112 .013 .0114 .011 .0112 .013 .0114 .011 .0115 .016 .0116 .0117 .0118 .0119 .0202 .0221 .0224 .0224 .0225 .0226 .0227 .0238 .0331 .034 .0332 .034 .0355 .0366	Transmission Mains Total New Revenue Bonds Debt Service on Improvements - 1999 Bonds Annual P & I Debt Service on Improvements - 2003 Bonds Annual P & I Debt Service on Improvements - 2009 Bonds Annual P & I Debt Service on Improvements - 2014 Bonds Annual P & I Debt Service on Improvements - 2015 Bonds Annual P & I Debt Service on Cavin Project Annual P & I Debt Service on Improvements - 2018 Bonds Annual P & I Debt Service on Improvements - 2018 Bonds Annual P & I	33.72% 100.00%	0 0 317,211 407,000 225,173	@ROUND(\$5.004*\$5.008,0) +\$5.007+\$5.008 +\$1.049 +\$1.050 +\$1.051
.009 .010 .011 1 .012 .013 .013 .014 .015 .016 .016 .017 .018 .016 .017 .018 .018 .017 .018 .016 .017 .018 .018 .019 .020 .021 .022 .023 .024 .025 .025 .026 .027 .028 .029 .030 .033 .034 .035 .036	Total New Revenue Bonds Debt Service on Improvements - 1999 Bonds Annual P & I Debt Service on Improvements - 2003 Bonds Annual P & I Debt Service on Improvements - 2019 Bonds Annual P & I Debt Service on Improvements - 2014 Bonds Annual P & I Debt Service on Improvements - 2015 Bonds Annual P & I Debt Service on Cavin Project Annual P & I Debt Service on Improvements - 2018 Bonds Annual P & I Debt Service on Improvements - 2018 Bonds Annual P & I	100.00%	0 317,211 407,000 225,173	+S5.007+S5.008 +S1.049 +S1.050 +S1.051
.010 .011 .011 .013 .013 .013 .014 .015 .015 .016 .017 .018 .019 .020 .021 .022 .022 .023 .024 .025 .025 .026 .027 .028 .030 .031 .033 .034 .035 .036	New Revenue Bonds Debt Service on Improvements - 1999 Bonds Annual P & I Debt Service on Improvements - 2003 Bonds Annual P & I Debt Service on Improvements - 2009 Bonds Annual P & I Debt Service on Improvements - 2014 Bonds Annual P & I Debt Service on Improvements - 2015 Bonds Annual P & I Debt Service on Cavin Project Annual P & I Debt Service on Improvements - 2018 Bonds Annual P & I Debt Service on Improvements - 2018 Bonds Annual P & I		0 317,211 407,000 225,173	+S1.049 +S1.050 +S1.051
.011 I .012 .013 .014 .015 .015 .016 .017 .018 .018 .019 .020 .021 .022 .023 .024 .025 .026 .027 .028 .030 .0301 .032 .0331 .033 .034 .035 .035 .036	Debt Service on Improvements - 1999 Bonds Annual P & I Debt Service on Improvements - 2003 Bonds Annual P & I Debt Service on Improvements - 2009 Bonds Annual P & I Debt Service on Improvements - 2014 Bonds Annual P & I Debt Service on Improvements - 2015 Bonds Annual P & I Debt Service on Cavin Project Annual P & I Debt Service on Improvements - 2018 Bonds Annual P & I Debt Service on Improvements - 2018 Bonds Annual P & I		317,211 407,000 225,173	+S1.050 +S1.051
.013 .014 .014 .015 .016 .017 .018 .019 .020 .020 .021 .022 .023 .024 .025 .026 .027 .028 .030 .031 .032 .033 .034 .035 .036 .036	Annual P & I Debt Service on Improvements - 2003 Bonds Annual P & I Debt Service on Improvements - 2009 Bonds Annual P & I Debt Service on Improvements - 2014 Bonds Annual P & I Debt Service on Improvements - 2015 Bonds Annual P & I Debt Service on Cavin Project Annual P & I Debt Service on Improvements - 2018 Bonds Annual P & I Debt Service on Improvements - 2018 Bonds Annual P & I		317,211 407,000 225,173	+S1.050 +S1.051
.014 .015 .016 .017 .018 .020 .021 .022 .023 .024 .025 .026 .024 .025 .026 .024 .023 .024 .023 .024 .023 .024 .023 .024 .023 .024 .023 .024 .033 .033 .034 .035 .035	Debt Service on Improvements - 2003 Bonds Annual P & I Debt Service on Improvements - 2009 Bonds Annual P & I Debt Service on Improvements - 2014 Bonds Annual P & I Debt Service on Improvements - 2015 Bonds Annual P & I Debt Service on Cavin Project Annual P & I Debt Service on Improvements - 2018 Bonds Annual P & I Debt Service on Improvements - 2018 Bonds Annual P & I		317,211 407,000 225,173	+S1.050 +S1.051
.015 .016 .017 .018 .019 .020 .021 .022 .023 .024 .025 .026 .027 .028 .029 .030 .031 .032 .033 .034 .035	Annual P & I Debt Service on Improvements - 2009 Bonds Annual P & I Debt Service on Improvements - 2014 Bonds Annual P & I Debt Service on Improvements - 2015 Bonds Annual P & I Debt Service on Cavin Project Annual P & I Debt Service on Improvements - 2018 Bonds Annual P & I Debt Service on Improvements - 2018 Bonds Annual P & I		407,000 225,173	+S1.051
.016 .017 .018 .029 .021 .022 .023 .024 .025 .026 .026 .027 .028 .029 .030 .031 .033 .034 .035 .036	Debt Service on Improvements - 2009 Bonds Annual P & I Debt Service on Improvements - 2014 Bonds Annual P & I Debt Service on Improvements - 2015 Bonds Annual P & I Debt Service on Cavin Project Annual P & I Debt Service on Improvements - 2018 Bonds Annual P & I Allocation - 1999 Improvements		407,000 225,173	+S1.051
.018 .019 .020 .021 .022 .023 .024 .025 .026 .026 .027 .028 .029 .030 .031 .032 .033 .034 .035 .036	Debt Service on Improvements - 2014 Bonds Annual P & I Debt Service on Improvements - 2015 Bonds Annual P & I Debt Service on Cavin Project Annual P & I Debt Service on Improvements - 2018 Bonds Annual P & I Allocation - 1999 Improvements		225,173	
.019 .020 .021 .022 .023 .024 .025 .026 .027 .028 .029 .030 .031 .032 .033 .034 .035 .036	Annual P & I Debt Service on Improvements - 2015 Bonds Annual P & I Debt Service on Cavin Project Annual P & I Debt Service on Improvements - 2018 Bonds Annual P & I Allocation - 1999 Improvements			+S1.052
.020 .021 .022 .023 .024 .025 .026 .027 .028 .029 .030 .031 .032 .033 .034 .035 .036	Debt Service on Improvements - 2015 Bonds Annual P & I Debt Service on Cavin Project Annual P & I Debt Service on Improvements - 2018 Bonds Annual P & I Allocation - 1999 Improvements			+S1.052
.021 .022 .023 .024 .025 .026 .027 .028 .029 .030 .031 .032 .033 .034 .035 .036	Annual P & I Debt Service on Cavin Project Annual P & I Debt Service on Improvements - 2018 Bonds Annual P & I Allocation - 1999 Improvements		212,902	
.022 .023 .024 .025 .026 .027 .028 .029 .030 .031 .032 .033 .034 .035 .036	Debt Service on Cavin Project Annual P & I Debt Service on Improvements - 2018 Bonds Annual P & I Allocation - 1999 Improvements			+S1.053
.024 .025 .026 .027 .028 .029 .030 .031 .032 .033 .034 .035 .036	Debt Service on Improvements - 2018 Bonds Annual P & I Allocation - 1999 Improvements			
0.025 0.026 0.027 0.028 0.029 0.030 0.031 0.032 0.033 0.034 0.035 0.036	Annual P & I Allocation - 1999 Improvements		804,958	+S1.054
0.026 0.027 0.028 0.029 0.030 0.031 0.032 0.033 0.034 0.035 0.036	Allocation - 1999 Improvements		2,453,520	+\$1.055
0.027 0.028 0.029 0.030 0.031 0.032 0.033 0.034 0.035 0.036	•		2,403,020	+S1.055
0.029 0.030 0.031 0.032 0.033 0.034 0.035 0.036		(b)		
.030 .031 .032 .033 .034 .035 .036	Water Supply & Treatment	42.25%	0	@ROUND(S5.013*S5.028,0)
.031 .032 .033 .034 .035 .036	Transmission Mains	57.75%	0	@ROUND(S5.013*S5.029,0)
.032 .033 .034 .035 .036	Total	100.00%	0	+S5.028+S5.029
.034 .035 .036	Allocation - 2003 Improvements	(b)		
.035 .036	Water Supply & Treatment	47.74%	151,437	@ROUND(S5.015*S5.033,0)
.036	Transmission Mains	52.26%	165,774	@ROUND(S5.015*S5.034,0)
	Total	100.00%	317,211	+\$5.033+\$5.034
	Allocation - 2009 Improvements	(c)		
.038	Water Supply & Treatment	58.51%	238,137	@ROUND(S5.017*S5.038,0)
.039	Transmission Mains	4.74%	19,292	@ROUND(S5.017*S5.039,0)
.040	Cavin Plant	13.68%	55,678	@ROUND(S5.017*S5.040,0)
.041 .042	Distribution/General Plant Total	23.07% 100.00%	93,895 407,002	@ROUND(S5.017*S5.041,0) +S5.038+S5.039+S5.040+S5.041
.042	i otai	100.0070	407,002	100.000100.000100.040100.041
.044	Allocation - 2014 Improvements	(d)		
.045	Water Supply & Treatment	37.74%	84,980	@ROUND(S5.019*S5.045,0)
0.046	Transmission Mains Cavin Plant	24.64%	55,483	@ROUND(S5.019*S5.046,0) @ROUND(S5.019*S5.047.0)
047 048	Distribution/General Plant	8.80% 28.82%	19,815 64,895	@ROUND(S5.019*S5.047,0) @ROUND(S5.019*S5.048,0)
.049	Total	100.00%	225,173	+\$5.045+\$5.046+\$5.047+\$5.048
.050				
.051	Allocation - 2015 Improvements	(e)	00.077	
0.052 0.053	Water Supply & Treatment Cavin Plant	44.00% 0.00%	93,677 0	@ROUND(S5.021*S5.052,0) @ROUND(S5.021*S5.053,0)
.054	Expanded Plant	56.00%	119,225	@ROUND(\$5.021*\$5.054,0)
.055	Total	100.00%	212,902	+\$5.052+\$5.053+\$5.054
.056		15		
0.057	Allocation - 2018 Improvements	(f)	150 404	
.058 .059	Water Supply & Treatment Transmission Mains	6.13% 2.79%	150,401 68,453	@ROUND(S5.025*S5.058,0) @ROUND(S5.025*S5.059,0)
.060	Cavin Plant	0.00%	00,400	@ROUND(S5.025*S5.060,0)
.061	Expanded Plant	88.93%	2,181,915	@ROUND(S5.025*S5.061,0)
.062	Distribution/General Plant	2.15%	52,751	@ROUND(\$5.025*\$5.062,0)
.063 .064	Total	100.00%	2,453,520	+\$5.058+\$5.059+\$5.060+\$5.061+\$5.062
	Debt Service Summary			
.066	Existing Treatment Facility		718,632	+\$5.007+\$5.028+\$5.033+\$5.038+\$5.045+\$5.052+\$5.
.067	New Treatment Facility		880,451	+\$5.023+\$5.040+\$5.047+\$5.053+\$5.060
.068	Transmission Facilities		309,002	+S5.008+S5.029+S5.034+S5.039+S5.046+S5.059
.069 .070	Expanded Treatment Facility Distribution/General Plant		2,301,140 211,541	+S5.054+S5.061 +S5.041+S5.048+S5.062
5.070 5.071	Stoributor, Conordi Franc	-	4,420,766	+\$5.066+\$5.067+\$5.068+\$5.069+\$5.070
.072	(a) Exhibit E, Contract			
.073	(b) Based on dollars spent on improvements,			
.074 .075	 (b) Based on dollars spent on improvements, (c) Based on dollars spent on improvements, 	ner Water C		

(c) based on estimated dollars to be spent on improvements, per Water Financial model.
 (c) Based on estimated dollars to be spent on improvements, per Water Financial model.
 (f) Based on estimated dollars to be spent on improvements, per Water Financial model.

Owensboro Municipal Utilities ~ Black & Veatch Project: 17656.010

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Analysis: Proforma Charges to Wholesale Customers
Fiscal Year Ending May 31, 2023
Estimate for FY 2024 Rate

6.000 6.001		FY 2023	
6.001		\$	
6.003		Ψ	
6.004	Administrative and General Expenses	1,659,900	+S1.040
6.005		,,	
6.006	Basis of Allocation = Supervised Expenses (b)		
6.007	Existing Treatment Facility	1,232,357	+S4.004+S4.009+S4.021
6.008			
6.009	New Treatment Facility	1,080,356	+S4.013+S4.022
6.010			
6.011	Expanded Treatment Facility	1,458,509	+S4.017+S4.023
6.012			
6.013	Transmission System	689,988	+S3.014
6.014			
6.015	Distribution System	899,114	+S3.016
6.016	Quatanza Accounting 8 Information	007 500	.01.044
6.017 6.018	Customer Accounting & Information	697,500	+S1.041
6.018	Total Above	6,057,824	@SUM(S6.007S6.017)
6.020	Total Above	0,037,024	@30M(30.00730.017)
6.021	Allocation Of Admin. & Gen. Expense		
6.022	Existing Treatment Facility	337,677	@ROUND(+S6.004*S6.007/S6.019,0)
6.023	Existing mountain admity	001,011	
6.024	New Treatment Facility	296,028	@ROUND(+S6.004*S6.009/S6.019,0)
6.025	·····		e(
6.026	Expanded Treatment Facility	399,645	@ROUND(+S6.004*S6.011/S6.019,0)
6.027			
6.028	Transmission System	189,063	@ROUND(+S6.004*S6.013/S6.019,0)
6.029	-		
6.030	Distribution System	246,366	@ROUND(+S6.004*S6.015/S6.019,0)
6.031			
6.032	Customer Accounting & Information	191,121	@ROUND(+S6.004*S6.017/S6.019,0)
6.033			
6.034	Total Above	1,659,900	@SUM(S6.022S6.032)
6.035			
6.036	(b) Excludes expenses which vary with the quantity of	t water produced	

6.036 (b) Excludes expenses which vary with the quantity of water produced.

Analysis: Proforma Charges to Wholesale Customers Fiscal Year Ending May 31, 2023 Estimate for FY 2024 Rate

Line	Estille	ate for FY 2024 Rat	B
7.000		FY 2023	
7.001 7.002		\$	
7.004	Existing Treatment Facility Fixed Costs Debt Service	718,632	+\$5.066
7.005	O&M Expense	1,232,357	+\$4.004+\$4.009+\$4.02
7.007	Replacements & Improvements	151,590	+\$7.057
7.009 7.010 7.011	Admin. & General Expense	337,677	+S6.022
7.012 7.013	Total Existing Treatment Facility Fixed Costs	2,440,256	@SUM(S7.004S7.010)
	New Treatment Facility Fixed Costs		
7.016 7.017 7.018	Debt Service	880,451	+\$5.067
7.018	O&M Expense	1,080,356	+S4.013+S4.022
7.020	Replacements & Improvements	304,682	+S7.061
7.022 7.023 7.024	•	296,028	+S6.024
7.024	Total New Treatment Facility Fixed Costs	2,561,517	@SUM(S7.017S7.023)
7.027 7.028	Transmission Facility Fixed Costs Debt Service	309,002	+S5.068
7.029	O&M Expense	689,988	+\$3.014
7.031	Replacements & Improvements	248,516	+\$7.065
7.033 7.034 7.035	Admin. & General Expense	189,063	+S6.028
7.035 7.036 7.037	Total Transmission Facility Fixed Costs	1,436,569	@SUM(S7.028S7.034)
7.038	Expanded Treatment Facility Fixed Costs		
7.040 7.041	Debt Service	2,301,140	+\$5.069
7.042	O&M Expense	1,458,509	+\$4.017+\$4.023
7.044	Replacements & Improvements	577,610	+\$7.069
7.046	Admin. & General Expense	399,645	+S6.026
7.048	Total Expanded Treatment Facility Fixed Costs	4,736,904	@SUM(S7.040S7.046)
	Variable Expenses Total Amount	1,251,719	+S4.029
7.053 7.054	Plant Investment as of May 31, 2022: Existing Treatment Facilities		
7.055 7.056 7.057	Existing/Additions Cavin Project Improvements	(a) 10,515,390 (a) <u>1,611,825</u> 12,127,215	1.25% 131,442 1.25% 20,148 151,590
7.058 7.059	New Treatment Facilities Additions	(a) 1,157,023	1.25% 14,463
7.060 7.061	Cavin Project Improvements	(a) <u>23,217,545</u> 24,374,568	1.25% <u>290,219</u> 304,682
7.062	Transmission Facilities	(.) 47 (05 05-	4.05%
7.063 7.064	Existing/Additions Cavin Project Improvements	(a) 17,425,867 (a) 2,455,475	1.25% 217,823 1.25% 30,693
7.065	Expanded Treatment Excilition	19,881,342	248,516
7.066	Expanded Treatment Facilities Additions	(a) 46,208,801	1.25% 577,610
7.067	Cavin Project Improvements		1 25% 0
7.069		(a) 0 46,208,801	577,610
7.070	(a) Contributions to R&R Fund for FY 2017 were 1.25%	of Plant Investment	ł
7.072	excluding land. Distribution Plant and General Plan		1,282,398
.073	Water District cost allocations.		.,,000

Schedule 8	
Exhibit H for FY 2023	
Development of Charges to Districts	

Owensboro Municipal Utilities ~ Black & Veatch Project: 17656.010

3-21-2023

Analysis: Proforma Charges to Wholesale Customers Fiscal Year Ending May 31, 2023 Estimate for FY 2024 Rate

Line			Ending May				
8.000			Who	olesale Custo	mers		
8.001		Total					
8.002 8.003		System Costs	Southeast Daviess	West Daviess	East Daviess	Subtotal	
8.003			Daviess	Daviess	Daviess	Subiolai	
8.005							
	Existing Treatment Facility						
8.007	Total Costs	\$2,440,256	+S7.012				
8.008							
8.009	District Responsibility						
8.010	Percent		13.56%	9.65%		27.30%	+S2.019
8.011	Amount		\$330,899	\$235,485	\$99,806	\$666,190	@ROUND(S8.007*S8.010,0)
8.012 8.013							
	New Treatment Facility						
8.015	Total Costs	\$2,561,517	+S7.025				
8.016							
8.017	District Responsibility						
8.018	Percent		12.75%	8.25%	7.24%	28.24%	+S2.056
8.019	Amount		\$326,593	\$211,325	\$185,454	\$723,372	@ROUND(S8.015*S8.018,0)
8.020 8.021							
	Transmission Facilities						
8.023	Total Costs	\$1,436,569	+S7.036				
8.024		. , ,					
8.025	District Responsibility						
8.026	Percent		20.98%	11.88%	8.46%	41.32%	+S2.028
8.027	Amount		\$301,392	\$170,664	\$121,534	\$593,590	@ROUND(S8.023*S8.026,0)
8.028 8.029							
	Expanded Treatment Facility						
8.031	Total Costs	\$4,736,904	+S7.048				
8.032		\$ 1,1 00,001	01.010				
8.033	District Responsibility						
8.034	Percent		15.61%	10.94%		33.79%	+S2.085
8.035	Amount		\$739,431	\$518,217	\$342,952	\$1,600,600	@ROUND(S8.031*S8.034,0)
8.036							
8.037 8.038	Variable Expenses						
8.039	Total Costs	\$1,251,719	+S7.051				
8.040		¢1,201,110	01.001				
8.041	District Responsibility						
8.042	Percent		17.12%	10.08%	7.61%	34.81%	+S2.009
8.043	Amount		\$214,294	\$126,173	\$95,256	\$435,723	@ROUND(S8.039*S8.042,0)
8.044			0500	MDC	500		
8.045	Total Prior Year True-Up Adjustment		SEDC \$91,598	WDC \$53,370	EDC \$161,850	\$306,818	
	Unrecovered True-Up Charges		\$28,626	\$49,680	\$20,048	\$98,354	
8.048	True-Up Adjustment This Period		\$120,224	\$103,050	\$181,898	\$405,172	
8.049			. ,		. ,		
8.050	Total Charges to Districts for FY 2023		\$2,032,833	\$1,364,914	\$1,026,900	\$4,424,647	+\$8.011+\$8.019+\$8.027+\$8.035+\$8.043+\$8.048
8.051							
8.052	F (1) 1 1 1 1 1						
	Effective Unit Charge		SEDC \$0.451	WDC \$0.545	EDC \$0.306	¢0 447	@ROUND(+S8.011/(1000*S9.008),3)
8.054 8.055	Existing Treatment Facility New Treatment Facility		\$0.451 \$0.445	\$0.545 \$0.489	\$0.306 \$0.569	\$0.447 \$0.485	@ROUND(+S8.019/(1000/S9.008),3)
8.056	Transmission Facilities		\$0.443	\$0.395	\$0.373	\$0.398	@ROUND(+S8.027/(1000*S9.008),3)
8.057	Expanded Treatment Facility		\$1.007	\$1.200	\$1.052	\$1.073	@ROUND(+S8.035/(1000*S9.008),3)
8.058	Variable Expenses		\$0.292	\$0.292	\$0.292	\$0.292	@ROUND(+S8.043/(1000*S9.008),3)
8.059	Prior Year Trueup		\$0.164	\$0.239	\$0.558	\$0.272	@ROUND(+S8.048/(1000*S9.008),3)
8.060							
8.061	w/ true up		\$2.770	\$3.160	\$3.150	\$2.965	@SUM(S8.054S8.059)
8.062	w/o true up		\$2.606	\$2.921	\$2.592		

Analysis: Proforma Charges to Wholesale Customers Fiscal Year Ending May 31, 2023 Estimate for FY 2024 Rate

	_						
9.000		Wh	olesale Custo	omers			
9.001							
9.002			Southeast	West	East		
9.003			Daviess	Daviess	Daviess	Subtotal	
9.004							
9.005							
9.006	Sales, FY 1991 M	il. gal	521	338	151	1,010	+S10.027
9.007	Growth Factor		1.408	1.278	2.162		S1.010 through S1.012
9.008	Sales, FY 2023 M	il. gal	734	432	326	1,492	@ROUND(S9.006*S9.007,0)
9.009							
9.010	Total FY 2023 Charges		\$2,032,833	\$1,364,914	\$1,026,900	\$4,424,647	+\$8.050
9.011							
9.012	Effective unit cost (per 1000 gallons)		\$2.770	\$3.160	\$3.150	\$2.966	@ROUND(+S9.010/(1000*S9.008),3)
9.013							
9.014	Rate Floor - set in first fiscal year of						
9.015	operation of New Treatment Facility		\$1.148	\$1.213	\$1.148	\$1.167	(Per Contracts)
9.016							
9.017	WATER RATES effective June 1, 2023		\$2.770	\$3.160	\$3.150	\$2.966	@MAX(+S9.012,+S9.015)
9.018							
9.019	Effective Rate Over (U	nder) Floor	\$1.622	\$1.947	\$2.002		
9.020							
9.021							
9.022	Current Rates (per 1000 gallons) - effective	6-1-22	\$2.770	\$3.160	\$2.160		
9.023	Increase (Decrease)		\$0.000	\$0.000	\$0.990		
9.024	Percent Increase (Decrease)		0.0%	0.0%	45.8%		

Analysis: Proforma Charges to Wholesale Customers Fiscal Year Ending May 31, 2023 Estimate for FY 2024 Rate

Line		Fiscal Year Ending May 31, 2023 Estimate for FY 2024 Rate								
10.000			Wholesale Customers					0.411	T . (.)	
10.001 10.002			Southeast	West		East		OMU Retail	Total OMU	
10.002		Units	Daviess	Daviess		Daviess	Subtotal	Customers	System	
10.004									-,	
10.005	Data for Base Year FY 1989									
10.006										
10.007	Average of 5 Maximum Day Demands				(c)					
10.008 10.009	Amount (a) Allowance for Transmission Losses	mgd	2.330 2%	1.900 2%		0.582 2%	4.812 Estimated			
10.009	Amount Adjusted for Losses	mgd	2.378	1.939		0.594	4.911			
10.011	A mount regulated for Ecococ	iligu	2.070	1.000		0.001	4.011			
10.012	For Information Only									
10.013	Annual sales	Mil cf	67.08	45.89		21.02	(a)			
10.014	Annual sales	Mil. gal.	502	343		157		7.48*S10.013,0)		
10.015 10.016	Average Day Ratio Max to Average Day	mgd	1.38 1.69	0.94 2.02		0.43 1.35	+S10.014/36 +S10.008/S			
10.010	Nalio Max to Average Day		1.03	2.02		1.55	1010.000/0	10.015		
10.018										
10.019	Average of System 5 maximum day demand	ds						mgd	17.90	(a)
10.020	Allowance for filter wash water								2%	
10.021 10.022	Adj. System 5 Maximum Day Demands (Ba	se year plant	usage)					mgd	17.54	@ROUND(+S10.019*(1-S10.020),2)
10.023										
10.024										
10.025	Input data for FY 1991 (a)									
10.026 10.027	Annual Sales Annual Sales	Million cf	521	338	(b)	151	135.0 1,010	399.2 2,986	534.2 3,996	
10.027	Allilual Sales	Mil. gal.	521		(c)	151	1,010	2,900	3,990	
10.029	Average of 5 Maximum Day Demands	mgd	1.95	1.35	(0)	0.60	@ROUND(S	S10.033*S10.027	7/365,3)	
10.030										
10.031	For Information Only		4 407	0.000		0.444	. 0.40, 0.07/0/			
10.032 10.033	Average Day Ratio Max to Average Day	mgd	1.427 1.37	0.926 1.46		0.414 1.45	+S10.027/36 +S10.029/S		1 / 1	<< Ave SE & W
10.033	Nalio Max to Average Day		1.57	1.40		1.45	1010.023/0	10.032	1.41	AVE SE & W
10.035	Allowance for Transmission Losses		2%	2%		2%	Estimated			
10.036										
	Data Adjusted for Water Losses District Data:									
10.039	Annual Water Sales	Mil. gal.	532	345		154	@ROUND(+	S10.027/(1-S10	.035).0)	
10.040	Average of 5 Maximum Day Demands	mgd	1.990	1.378		0.612	. .	-S10.029/(1-S10		
10.041										
10.042 10.043	Total System Data: Average of 5 Maximum Day Demands							mad	17.26	(2)
10.043	Filter wash water							mgd mgd	0.35	(a) @ROUND(0.02*S10.043,2)
10.045	Adj. 5 Max. Day Demands							mgd	16.91	+\$10.043-\$10.044
10.046								•		
10.047	T to the state of the state						(.)		4.044	
10.048 10.049	Total treated water Filter wash water							Mil. gal. Mil. gal.	4,944 98	@ROUND(660.9*7.48,0) @ROUND(13.1*7.48,0)
10.049	Treated water delivered to trans. system							Mil. gal.	4,846	+S10.048-S10.049
10.051	,							5	,	
10.052										
10.053	(a) Courses ONU atoff to building data d 0.40	01		(h) Tatal		0-				
10.054 10.055										
10.056	way, 1991 1 mandal Statement			ratios of th						
10.057										
	(d) East Daviess est 5 day max day demand									
10.059	FY 1989 Annual Sales	Million cf	21.02							
10.060 10.061	FY 1989 Annual Sales Average day demand	Mil. gal. mgd	157.2 0.431	@ROUND(
10.062	Estimated Max day ratio	94	1.35		5.0.0		~,			
10.063	Est. East Daviess 5 day max day demand (mgd)	0.582	@ROUND(S10.0)61*S10.(062,3)			
10.064										
10.065 10.066										
10.000										

10.067