



October 1, 2018

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 made the required rate calculations for the fiscal year 2018-2019 interim rate, pursuant to Section 8.10 of our contract. This new rate includes the Debt Service for the Expanded Treatment Facility. A copy of these calculations is enclosed, as well as a copy of the fiscal year 2017-2018 true-up calculations.

Based on these calculations, the rate charged to the East Daviess County Water Association will increase to a rate of \$1.570 per thousand gallons, effective December 1, 2018.

The ultimate per unit cost to EDCWA is dependent upon annual water usage and the costs contractually allocated to your district. 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,

A handwritten signature in black ink, appearing to read "Kevin D. Frizzell". The signature is written in a cursive, somewhat stylized script.

Kevin D. Frizzell  
Interim General Manager

Cc: Kentucky Public Service Commission  
L. Holland, B. Howton, T. Lyons, J. Potts

Enclosures

## NOTICE

Owensboro Municipal Utilities (“OMU”) has filed a proposed rate schedule which will adjust the rate for water service provided as follows:

	<u>Current Rate</u>	<u>Proposed Rate</u>	<u>% Difference</u>
Southeast Daviess County Water District	\$1.665 per 1000 gallons	\$1.850 per 1000 gallons	11.11% increase
West Daviess County Water District	\$1.640 per 1000 gallons	\$2.200 per 1000 gallons	34.15% increase
East Daviess County Water Association	\$1.280 per 1000 gallons	\$1.570 per 1000 gallons	22.66% increase

The proposed effective date is December 1, 2018.

The rates contained in this notice are the rates proposed by OMU. However, the Public Service Commission may order rates to be charged that differ from the proposed rates contained in this notice.

Any corporation, association, or person with a substantial interest in the matter may, by written request, within thirty (30) days after publication or mailing of this notice of the proposed rate changes request to intervene. Intervention may be granted beyond the thirty (30) day period for good cause shown.

Any person who has been granted intervention by the Public Service Commission may obtain copies of the rate application and any other filings made by OMU by contacting the Interim General Manager, Kevin D. Frizzell, at the offices of OMU, 2070 Tamarack Road in Owensboro, Kentucky; telephone 270-926-3200.

Any person may examine the rate application and other filings made by OMU by visiting the offices of OMU at 2070 Tamarack Road in Owensboro, or by contacting the Public Service Commission at 211 Sower Boulevard in Frankfort, Kentucky; telephone 502-564-3940; [psc.ky.gov](http://psc.ky.gov).

Analysis: Proforma Charges to Wholesale Customers  
**Fiscal Year Ending May 31, 2018**  
**FY 2019 Interim Rate**

Line			FY 1991 Amount	FY 1991 Reference	Inflation Factor	Growth Factor	Calculated Growth Factor	FY 2018 Amount
1.000							28	
1.001							Years	
1.002								
1.003								
1.004								
1.005	<u>Water System Demands and Usage</u>							
1.006								
1.007	System Annual Quantity	Mil. Gal.	4,846	+\$10.050	0%	-0.31%	0.918	4,448
1.008								
1.009	District Annual Quantity							
1.010	Southeast Daviess	Mil. Gal.	532	+\$10.039	0%	0.98%	1.316	700
1.011	West Daviess	Mil. Gal.	345	+\$10.039	0%	0.94%	1.299	448
1.012	East Daviess	Mil. Gal.	154	+\$10.039	0%	2.68%	2.097	323
1.013								
1.014	Maximum Day Quantity							
1.015	Southeast Daviess	mgd	1.990	+\$10.040	0%	1.09%	1.354	2,694
1.016	West Daviess	mgd	1.378	+\$10.040	0%	0.90%	1.284	1,769
1.017	East Daviess	mgd	0.612	+\$10.040	0%	2.21%	1.846	1,130
1.018								
1.019	System Maximum Day Quantity	mgd	16.91	+\$10.045	0%	-0.30%	0.920	15.55
1.020								
1.021	<u>Operation and Maintenance Expense</u>							
1.022								
1.023	Transmission and Dist. Expense	\$	269,521	(a)	5.36%	0%	4.312	1,162,060
1.024	Source of Supply Expense	\$	121,068	(a)	6.92%	0%	6.504	787,381
1.025	Existing Treatment Plant Expense							
1.026	Chemicals	\$	198,132	(a)	1.32%	-0.31%	1.325	262,551
1.027	Other	\$	405,493	(a)	3.04%	0%	2.310	936,669
1.028	New Treatment Plant Expense							
1.029	Chemicals	\$	0		n/a	n/a	n/a	216,317
1.030	Other	\$	0		n/a	n/a	n/a	756,748
1.031	Expanded Treatment Plant Expense							
1.032	Chemicals	\$	0		n/a	n/a	n/a	0
1.033	Other	\$	0		n/a	n/a	n/a	0
1.034	Pumping Expense							
1.035	Electric Power	\$	240,191	(a)	4.12%	-0.31%	2.852	684,914
1.036	Other-Existing Plant	\$	8,840	(a)	8.11%	0%	8.878	78,479
1.037	Other-New Plant	\$	0		n/a	n/a	n/a	70,409
1.038	Other-Expanded Plant	\$	0		n/a	n/a	n/a	0
1.039								
1.040	Administrative Expenses	\$	689,980	(a)	2.93%	0%	2.247	1,550,507
1.041	Customer Accounting & Information	\$	176,825	(a)	5.49%	0%	4.469	790,278
1.042								
1.043	(a) FY 1991 financial statements.		<u>2,110,050</u>					<u>7,296,315</u>
1.044								
1.045								
1.046	<u>Debt Service Payments</u>							
1.047								
1.048	Existing Plant	\$	487,100					0
1.049	1999 Improvements	\$	0					51,116
1.050	2003 Improvements	\$	0					311,979
1.051	2009 Improvements	\$	0					204,031
1.052	2014 Improvements	\$	0					247,558
1.053	2015 Improvements	\$	0					217,257
1.054	Cavin Plant	\$	0					997,137
1.055	2018 Improvements	\$	0					939,170
1.056			<u>487,100</u>					<u>2,968,247</u>
1.057								
1.058								

Exhibit B-1 for FY 2018

Determine District Percentage Responsibility for Costs

Analysis: Proforma Charges to Wholesale Customers

Fiscal Year Ending May 31, 2018

FY 2019 Interim Rate

Line		Units	Wholesale Customers			Subtotal	OMU Retail Customers	Total OMU System	
			Southeast Davieess	West Davieess	East Davieess				
2.000									
2.001									
2.002									
2.003									
2.004									
2.005									
2.006	FY 2018 System Annual Quantity	Mil. gal.					2,977	4,448	+S1.007
2.007	FY 2018 District Annual Quantity	Mil. gal.	700	448	323	1,471	+S1.010, +S1.011, +S1.012		
2.008									
2.009	District Responsibility for Variable Expenses		15.74%	10.07%	7.26%	33.07%	@ROUND(+S2.007/S2.006,4)		
2.010									
2.011									
2.012	<u>District Responsibility for Fixed Costs of Existing Facilities</u>								
2.013									
2.014	FY 1989 District Base Quantity	mgd	2.378	1.939	0.594	4.911	+S10.010		
2.015	FY 1989 Plant Usage (Base)	mgd						17.54	+S10.021
2.016	After June 1, 2018?	Yes							
2.017	Percentages after June 1, 2018		13.56%	9.65%	4.09%	27.30%			
2.018	District Responsibility for Fixed Costs of Existing Facilities								
2.019	Percent		13.56%	9.65%	4.09%	27.30%	@IF(S2.016=No,ROUND(+S2.014/S2.015,4),ROUND(+S2.018,4)		
2.020									
2.021									
2.022	<u>District Responsibility for Fixed Costs of Existing Transmission Facilities</u>								
2.023									
2.024	FY 2018 District Maximum Day Quantity		2.694	1.769	1.130	5.593	+S1.015, +S1.016, +S1.017		
2.025	FY 2018 System Maximum Day Quantity							15.55	+S1.019
2.026									
2.027	District Responsibility for Fixed Costs of Existing Transmission Facilities								
2.028	Percent		17.32%	11.38%	7.27%	35.97%	@ROUND(+S2.024/S2.025,4)		
2.029									
2.030									
2.031	<u>District Responsibility for Fixed Costs of New Facilities</u>								
2.032									
2.033	FY 2018 System Maximum Day Quantity	mgd						15.55	+S1.019
2.034	less Base Year Plant Usage	mgd						17.54	Contract
2.035									
2.036	New Plant Capacity	mgd						10.00	Input
2.037	FY 2018 New Plant Usage	mgd						(1.99)	+S2.033-S2.034
2.038	FY 2018 New Plant Usage	mgd	(but not less than zero)					0.00	@IF(S2.037<0,0,+S2.037)
2.039	FY 2018 Reserve Capacity	mgd						10.00	+S2.036-S2.038
2.040									
2.041	FY 2018 Maximum Day Quantity	mgd	2.694	1.769	1.130	5.593	+S2.024		
2.042	FY 1989 District Base Quantity	mgd	2.378	1.939	0.594	4.911	+S10.010		
2.043	District Growth Quantity	mgd	0.316	(0.170)	0.536		+S2.041-S2.042		
2.044	But not less than zero	mgd	0.316	0.000	0.536		@IF(S2.043<0,0,+S2.043)		
2.045									
2.046	District Growth Ratio		1.000	0.000	1.000		@IF(S2.038=0,@IF(S2.044=0,0,1),S2.044/S2.038		
2.047									
2.048	Ratio District Growth Quantity / New Plant Capacity								
2.049									
2.050	Factor	percent	3.16%	0.00%	5.36%		@ROUND(S2.044/S2.036,4)		
2.051									
2.052									
2.053	Minimum District Responsibility	percent	12.75%	8.25%	4.00%	25.00%	(a)		
2.054									
2.055	District Responsibility for Fixed Costs of New Facilities								
2.056	Percent		12.75%	8.25%	5.36%	26.36%	@MAX(S2.050,S2.053)		
2.057	(a) Per Contracts.								
2.058									
2.059									
2.060	<u>District Responsibility for Fixed Costs of Expanded Facilities</u>								
2.061									
2.062	FY 2018 System Maximum Day Quantity	mgd						15.55	+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 2018 Expanded Plant Usage	mgd						(1.99)	+S2.062-S2.063
2.067	FY 2018 Expanded Plant Usage	mgd	(but not less than zero)					0.00	@IF(S2.066<0,0,+S2.066)
2.068	FY 2018 Reserve Capacity	mgd						10.00	+S2.065-S2.067
2.069									
2.070	FY 2018 Maximum Day Quantity	mgd	2.694	1.769	1.130	5.593	+S2.024		
2.071	FY 1989 District Base Quantity	mgd	2.378	1.939	0.594	4.911	+S10.010		
2.072	District Growth Quantity	mgd	0.316	(0.170)	0.536		+S2.070-S2.071		
2.073	But not less than zero	mgd	0.316	0.000	0.536		@IF(S2.072<0,0,+S2.072)		
2.074									
2.075	District Growth Ratio		1.000	0.000	1.000		@IF(S2.067=0,@IF(S2.073=0,0,1),S2.073/S2.067		
2.076									
2.077	Ratio District Growth Quantity / Expanded Plant Capacity								
2.078									
2.079	Factor	percent	3.16%	0.00%	5.36%		@ROUND(S2.073/S2.065,4)		
2.080									
2.081									
2.082	Minimum District Responsibility	percent	15.61%	10.94%	7.07%	33.62%	(a)		
2.083									
2.084	District Responsibility for Fixed Costs of Expanded Facilities								
2.085	Percent		15.61%	10.94%	7.07%	33.62%	@MAX(S2.079,S2.082)		
2.086	(a) Per Contracts.								

Analysis: Proforma Charges to Wholesale Customers  
**Fiscal Year Ending May 31, 2018**  
**FY 2019 Interim Rate**

Line				
3.000				
3.001				
3.002	FY 2018 Annual Transmission & Distribution Expense	\$1,162,060	+S1.023	(a)
3.003				
3.004	Beginning of year inch-feet of transmission and distribution system			
3.005				
3.006	Distribution mains (less than 8 inch)	6,861,278		
3.007				
3.008	Transmission mains ( 8 inch & over)	5,294,404		
3.009				
3.010	Total	12,155,682		
3.011				
3.012	Transmission portion	43.55%		
3.013				
3.014	Calculated Transmission O&M Expense	\$506,077	@ROUND(S3.002*S3.012,0)	
3.015				
3.016	Net Distribution O&M Expense	\$655,983	+S3.002-S3.014	
3.017				
3.018				
3.019				
3.020				
3.021	(a) Total water trans. & dist. expense less maintenance of services,			
3.022	meters, hydrants and misc. plant.			
3.023				

Analysis: Proforma Charges to Wholesale Customers  
**Fiscal Year Ending May 31, 2018**  
**FY 2019 Interim Rate**

Line	FY 2018	
-----	-----	
4.000		
4.001		
4.002	\$	
4.003		
4.004 Source of Supply Expense	787,381	+S1.024
4.005		
4.006 Water Treatment		
4.007 Existing Plant		
4.008 Chemicals	262,551	+S1.026
4.009 Other	936,689	+S1.027
4.010		
4.011 New Plant		
4.012 Chemicals	216,317	+S1.029
4.013 Other	756,748	+S1.030
4.014		
4.015 Expanded Plant		
4.016 Chemicals	0	+S1.032
4.017 Other	0	+S1.033
4.018		
4.019 Pumping Expense		
4.020 Electric Power	684,914	+S1.035
4.021 Other-Existing Plant	78,479	+S1.036
4.022 Other-New Plant	70,409	+S1.037
4.023 Other-Expanded Plant	0	+S1.038
4.024		
4.025 Variable Expenses		
4.026 Electric Power	684,914	+S4.020
4.027 Chemicals-Existing Plant	262,551	+S4.008
4.028 Chemicals-New and Expanded Plant	216,317	+S4.012
4.029 Total Variable Expenses	1,163,782	@SUM(S4.026..S4.028)
4.030		
4.031		
4.032		
4.033		

Analysis: Proforma Charges to Wholesale Customers  
**Fiscal Year Ending May 31, 2018**  
**FY 2019 Interim Rate**

Line				
5.000			FY 2018	
5.001			-----	
5.002			\$	
5.003	Existing Revenue Bonds			
5.004	Annual P & I		0	+S1.048
5.005				
5.006	Allocation - Existing Revenue Bonds	(a)		
5.007	Water Supply & Treatment	66.28%	0	@ROUND(\$5.004*\$5.007,0)
5.008	Transmission Mains	33.72%	0	@ROUND(\$5.004*\$5.008,0)
5.009	Total	100.00%	0	+\$5.007+\$5.008
5.010				
5.011	New Revenue Bonds			
5.012	Debt Service on Improvements - 1999 Bonds			
5.013	Annual P & I		51,116	+S1.049
5.014	Debt Service on Improvements - 2003 Bonds			
5.015	Annual P & I		311,979	+S1.050
5.016	Debt Service on Improvements - 2009 Bonds			
5.017	Annual P & I		204,031	+S1.051
5.018	Debt Service on Improvements - 2014 Bonds			
5.019	Annual P & I		247,558	+S1.052
5.020	Debt Service on Improvements - 2015 Bonds			
5.021	Annual P & I		217,257	+S1.053
5.022	Debt Service on Cavin Project			
5.023	Annual P & I		997,137	+S1.054
5.024	Debt Service on Improvements - 2018 Bonds			
5.025	Annual P & I		939,170	+S1.055
5.026				
5.027	Allocation - 1999 Improvements	(b)		
5.028	Water Supply & Treatment	42.25%	21,596	@ROUND(\$5.013*\$5.028,0)
5.029	Transmission Mains	57.75%	29,519	@ROUND(\$5.013*\$5.029,0)
5.030	Total	100.00%	51,115	+\$5.028+\$5.029
5.031				
5.032	Allocation - 2003 Improvements	(b)		
5.033	Water Supply & Treatment	47.74%	148,939	@ROUND(\$5.015*\$5.033,0)
5.034	Transmission Mains	52.26%	163,040	@ROUND(\$5.015*\$5.034,0)
5.035	Total	100.00%	311,979	+\$5.033+\$5.034
5.036				
5.037	Allocation - 2009 Improvements	(c)		
5.038	Water Supply & Treatment	58.51%	119,379	@ROUND(\$5.017*\$5.038,0)
5.039	Transmission Mains	4.74%	9,671	@ROUND(\$5.017*\$5.039,0)
5.040	Cavin Plant	13.68%	27,911	@ROUND(\$5.017*\$5.040,0)
5.041	Distribution/General Plant	23.07%	47,070	@ROUND(\$5.017*\$5.041,0)
5.042	Total	100.00%	204,031	+\$5.038+\$5.039+\$5.040+\$5.041
5.043				
5.044	Allocation - 2014 Improvements	(d)		
5.045	Water Supply & Treatment	27.26%	67,484	@ROUND(\$5.019*\$5.045,0)
5.046	Transmission Mains	26.53%	65,677	@ROUND(\$5.019*\$5.046,0)
5.047	Cavin Plant	11.89%	29,435	@ROUND(\$5.019*\$5.047,0)
5.048	Distribution/General Plant	34.32%	84,962	@ROUND(\$5.019*\$5.048,0)
5.049	Total	100.00%	247,558	+\$5.045+\$5.046+\$5.047+\$5.048
5.050				
5.051	Allocation - 2015 Improvements	(e)		
5.052	Water Supply & Treatment	44.00%	95,593	@ROUND(\$5.021*\$5.052,0)
5.053	Cavin Plant	0.00%	0	@ROUND(\$5.021*\$5.053,0)
5.054	Expanded Plant	56.00%	121,664	@ROUND(\$5.021*\$5.054,0)
5.055	Total	100.00%	217,257	+\$5.052+\$5.053+\$5.054
5.056				
5.057	Allocation - 2018 Improvements	(f)		
5.058	Water Supply & Treatment	6.13%	57,571	@ROUND(\$5.025*\$5.058,0)
5.059	Transmission Mains	2.79%	26,203	@ROUND(\$5.025*\$5.059,0)
5.060	Cavin Plant	0.00%	0	@ROUND(\$5.025*\$5.060,0)
5.061	Expanded Plant	88.93%	835,204	@ROUND(\$5.025*\$5.061,0)
5.062	Distribution/General Plant	2.15%	20,192	@ROUND(\$5.025*\$5.062,0)
5.063	Total	100.00%	939,170	+\$5.058+\$5.059+\$5.060+\$5.061+\$5.062
5.064				
5.065	Debt Service Summary			
5.066	Existing Treatment Facility		510,562	+\$5.007+\$5.028+\$5.033+\$5.038+\$5.045+\$5.052+\$5.058
5.067	New Treatment Facility		1,054,483	+\$5.023+\$5.040+\$5.047+\$5.053+\$5.060
5.068	Transmission Facilities		294,110	+\$5.008+\$5.029+\$5.034+\$5.039+\$5.046+\$5.059
5.069	Expanded Treatment Facility		956,868	+\$5.054+\$5.061
5.070	Distribution/General Plant		152,224	+\$5.041+\$5.048+\$5.062
5.071			2,968,247	+\$5.066+\$5.067+\$5.068+\$5.069+\$5.070
5.072	(a) Exhibit E, Contract			
5.073	(b) Based on dollars spent on improvements, per Water Construction Fund schedule.			
5.074	(c) Based on dollars spent on improvements, per Water Construction Fund schedule.			
5.075	(d) Based on estimated dollars to be spent on improvements, per Water Financial model.			
5.076	(e) Based on estimated dollars to be spent on improvements, per Water Financial model.			
5.077	(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, 2018**  
**FY 2019 Interim Rate**

Line		FY 2018	
-----			
6.000		FY 2018	
6.001		-----	
6.002		\$	
6.003			
6.004	Administrative and General Expenses	1,550,507	+\$1.040
6.005			
6.006	Basis of Allocation = Supervised Expenses (b)		
6.007	Existing Treatment Facility	1,802,530	+\$4.004+\$4.009+\$4.021
6.008			
6.009	New Treatment Facility	827,158	+\$4.013+\$4.022
6.010			
6.011	Expanded Treatment Facility	0	+\$4.017+\$4.023
6.012			
6.013	Transmission System	506,077	+\$3.014
6.014			
6.015	Distribution System	655,983	+\$3.016
6.016			
6.017	Customer Accounting & Information	790,278	+\$1.041
6.018			
6.019	Total Above	<u>4,582,026</u>	@SUM(\$6.007..\$6.017)
6.020			
6.021	Allocation Of Admin. & Gen. Expense		
6.022	Existing Treatment Facility	609,956	@ROUND(+\$6.004*\$6.007/\$6.019,0)
6.023			
6.024	New Treatment Facility	279,901	@ROUND(+\$6.004*\$6.009/\$6.019,0)
6.025			
6.026	Expanded Treatment Facility	0	@ROUND(+\$6.004*\$6.011/\$6.019,0)
6.027			
6.028	Transmission System	171,251	@ROUND(+\$6.004*\$6.013/\$6.019,0)
6.029			
6.030	Distribution System	221,977	@ROUND(+\$6.004*\$6.015/\$6.019,0)
6.031			
6.032	Customer Accounting & Information	267,421	@ROUND(+\$6.004*\$6.017/\$6.019,0)
6.033			
6.034	Total Above	<u>1,550,506</u>	@SUM(\$6.022..\$6.032)
6.035			
6.036	(b) Excludes expenses which vary with the quantity of water produced.		



Analysis: Proforma Charges to Wholesale Customers  
**Fiscal Year Ending May 31, 2018**  
**FY 2019 Interim Rate**

Line				
7.000			FY 2018	
7.001			-----	
7.002			\$	
7.003	Existing Treatment Facility Fixed Costs			
7.004	Debt Service	510,562	+S5.066	
7.005				
7.006	O&M Expense	1,802,530	+S4.004+S4.009+S4.021	
7.007				
7.008	Replacements & Improvements	139,950	+S7.057	
7.009				
7.010	Admin. & General Expense	<u>609,956</u>	+S6.022	
7.011				
7.012	Total Existing Treatment Facility Fixed Costs	3,062,998	@SUM(S7.004..S7.010)	
7.013				
7.014				
7.015	New Treatment Facility Fixed Costs			
7.016				
7.017	Debt Service	1,054,483	+S5.067	
7.018				
7.019	O&M Expense	827,158	+S4.013+S4.022	
7.020				
7.021	Replacements & Improvements	308,545	+S7.061	
7.022				
7.023	Admin. & General Expense	<u>279,901</u>	+S6.024	
7.024				
7.025	Total New Treatment Facility Fixed Costs	2,470,087	@SUM(S7.017..S7.023)	
7.026				
7.027	Transmission Facility Fixed Costs			
7.028	Debt Service	294,110	+S5.068	
7.029				
7.030	O&M Expense	506,077	+S3.014	
7.031				
7.032	Replacements & Improvements	227,860	+S7.065	
7.033				
7.034	Admin. & General Expense	<u>171,251</u>	+S6.028	
7.035				
7.036	Total Transmission Facility Fixed Costs	1,199,298	@SUM(S7.028..S7.034)	
7.037				
7.038	Expanded Treatment Facility Fixed Costs			
7.039				
7.040	Debt Service	956,868	+S5.069	
7.041				
7.042	O&M Expense	0	+S4.017+S4.023	
7.043				
7.044	Replacements & Improvements	0	+S7.069	
7.045				
7.046	Admin. & General Expense	<u>0</u>	+S6.026	
7.047				
7.048	Total Expanded Treatment Facility Fixed Costs	956,868	@SUM(S7.040..S7.046)	
7.049				
7.050	Variable Expenses			
7.051	Total Amount	1,163,782	+S4.029	
7.052				
7.053	<b>Plant Investment as of May 31, 2017:</b>			
7.054	Existing Treatment Facilities			
7.055	Existing/Additions	(a) <u>9,584,144</u>	1.25%	119,802
7.056	Cavin Project Improvements	(a) <u>1,611,825</u>	1.25%	20,148
7.057		<u>11,195,969</u>		<u>139,950</u>
7.058	New Treatment Facilities			
7.059	Additions	(a) <u>1,466,041</u>	1.25%	18,326
7.060	Cavin Project Improvements	(a) <u>23,217,545</u>	1.25%	290,219
7.061		<u>24,683,586</u>		<u>308,545</u>
7.062	Transmission Facilities			
7.063	Existing/Additions	(a) <u>15,773,353</u>	1.25%	197,167
7.064	Cavin Project Improvements	(a) <u>2,455,475</u>	1.25%	30,693
7.065		<u>18,228,828</u>		<u>227,860</u>
7.066	Expanded Treatment Facilities			
7.067	Additions	(a) <u>0</u>	1.25%	0
7.068	Cavin Project Improvements	(a) <u>0</u>	1.25%	0
7.069		<u>0</u>		<u>0</u>
7.070				
7.071	(a) Contributions to R&R Fund for FY 2017 were 1.25% of Plant Investment,			
7.072	excluding land. Distribution Plant and General Plant are excluded from			<u>676,355</u>
7.073	Water District cost allocations.			

Analysis: Proforma Charges to Wholesale Customers  
**Fiscal Year Ending May 31, 2018**  
**FY 2019 Interim Rate**

Line	Description	Wholesale Customers				
		Total System Costs	Southeast Daviess	West Daviess	East Daviess	Subtotal
8.000						
8.001						
8.002						
8.003						
8.004						
8.005						
8.006	Existing Treatment Facility					
8.007	Total Costs	\$3,062,998	+S7.012			
8.008						
8.009	District Responsibility					
8.010	Percent		13.56%	9.65%	4.09%	27.30%
8.011	Amount		\$415,342	\$295,579	\$125,277	\$836,198
8.012						@ROUND(\$8.007*\$8.010,0)
8.013						
8.014	New Treatment Facility					
8.015	Total Costs	\$2,470,087	+S7.025			
8.016						
8.017	District Responsibility					
8.018	Percent		12.75%	8.25%	5.36%	26.36%
8.019	Amount		\$314,936	\$203,782	\$132,397	\$651,115
8.020						@ROUND(\$8.015*\$8.018,0)
8.021						
8.022	Transmission Facilities					
8.023	Total Costs	\$1,199,298	+S7.036			
8.024						
8.025	District Responsibility					
8.026	Percent		17.32%	11.38%	7.27%	35.97%
8.027	Amount		\$207,718	\$136,480	\$87,189	\$431,387
8.028						@ROUND(\$8.023*\$8.026,0)
8.029						
8.030	Expanded Treatment Facility					
8.031	Total Costs	\$956,868	+S7.048			
8.032						
8.033	District Responsibility					
8.034	Percent		15.61%	10.94%	7.07%	33.62%
8.035	Amount		\$149,367	\$104,681	\$67,651	\$321,699
8.036						@ROUND(\$8.031*\$8.034,0)
8.037						
8.038	Variable Expenses					
8.039	Total Costs	\$1,163,782	+S7.051			
8.040						
8.041	District Responsibility					
8.042	Percent		15.74%	10.07%	7.26%	33.07%
8.043	Amount		\$183,179	\$117,193	\$84,491	\$384,863
8.044						@ROUND(\$8.039*\$8.042,0)
8.045						
8.046	Total Prior Year True-Up Adjustment		<b>SEDC</b>	<b>WDC</b>	<b>EDC</b>	
8.047	Unrecovered True-Up Charges		(\$71,343)	\$110,698	(\$117,156)	(\$77,801)
8.048	True-Up Adjustment This Period		\$0	\$0	\$26,000	\$26,000
8.049			(\$71,343)	\$110,698	(\$91,156)	(\$51,801)
8.050	Total Charges to Districts for FY 2018	\$1,199,199	\$968,413	\$405,849	\$2,573,461	+S8.011+S8.019+S8.027+S8.035+S8.043+S8.048
8.051						
8.052						
8.053	Effective Unit Charge		<b>SEDC</b>	<b>WDC</b>	<b>EDC</b>	
8.054	Existing Treatment Facility		\$0.605	\$0.672	\$0.395	\$0.580
8.055	New Treatment Facility		\$0.459	\$0.463	\$0.418	\$0.451
8.056	Transmission Facilities		\$0.303	\$0.310	\$0.275	\$0.299
8.057	Expanded Treatment Facility		\$0.218	\$0.238	\$0.213	\$0.223
8.058	Variable Expenses		\$0.267	\$0.266	\$0.267	\$0.267
8.059	Prior Year Trueup		(\$0.104)	\$0.252	(\$0.288)	(\$0.036)
8.060						@ROUND(+S8.011/(1000*\$9.008),3)
8.061	<b>w/ true up</b>		<b>\$1.748</b>	<b>\$2.201</b>	<b>\$1.280</b>	\$1.783
8.062	<b>w/o true up</b>		<b>\$1.852</b>	<b>\$1.949</b>	<b>\$1.568</b>	@SUM(\$8.054..\$8.059)

Analysis: Proforma Charges to Wholesale Customers  
**Fiscal Year Ending May 31, 2018**  
**FY 2019 Interim Rate**

Line	Wholesale Customers						
	-----	-----	-----	-----	-----	-----	
		Southeast Davieess	West Davieess	East Davieess	Subtotal		
		-----	-----	-----	-----		
9.000							
9.001							
9.002							
9.003							
9.004							
9.005							
9.006	Sales, FY 1991	Mil. gal	521	338	151	1,010	+S10.027
9.007	Growth Factor		1.316	1.299	2.097		S1.010 through S1.012
9.008	Sales, FY 2018	Mil. gal	686	440	317	1,443	@ROUND(S9.006*S9.007,0)
9.009							
9.010	Total FY 2018 Charges		\$1,199,199	\$968,413	\$405,849	\$2,573,461	+S8.050
9.011							
9.012	Effective unit cost (per 1000 gallons)		\$1.748	\$2.201	\$1.280	\$1.783	@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	\$1.168	(Per Contracts)
9.016							
9.017	<b>WATER RATES effective June 1, 2018</b>		<b>\$1.748</b>	<b>\$2.201</b>	<b>\$1.280</b>	\$1.783	@MAX(+S9.012,+S9.015)
9.018							
9.019	Effective Rate Over (Under) Floor		\$0.600	\$0.988	\$0.132		
9.020							
9.021							
9.022	<b>Current Rates (per 1000 gallons) - effective 6-1-2018</b>		<b>\$1.665</b>	<b>\$1.640</b>	<b>\$1.280</b>		
9.023	Increase (Decrease)		\$0.083	\$0.561	\$0.000		
9.024	Percent Increase (Decrease)		5.0%	34.2%	0.0%		

Analysis: Proforma Charges to Wholesale Customers  
**Fiscal Year Ending May 31, 2018**  
**FY 2019 Interim Rate**

Line		Wholesale Customers				Subtotal	OMU Retail Customers	Total OMU System	
		Southeast Daviness	West Daviness	East Daviness					
10.000									
10.001									
10.002									
10.003		Units							
10.004									
10.005	Data for Base Year FY 1989								
10.006									
10.007	Average of 5 Maximum Day Demands			(c)					
10.008	Amount (a)	mgd	2.330	1.900	0.582	4.812			
10.009	Allowance for Transmission Losses		2%	2%	2%	Estimated			
10.010	Amount Adjusted for Losses	mgd	2.378	1.939	0.594	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	+S10.014/365			
10.016	Ratio Max to Average Day		1.69	2.02	1.35	+S10.008/S10.015			
10.017									
10.018									
10.019	Average of System 5 maximum day demands					mgd	17.90	(a)	
10.020	Allowance for filter wash water						2%		
10.021	Adj. System 5 Maximum Day Demands (Base year plant usage)					mgd	17.54	@ROUND(+S10.019*(1-S10.020),2)	
10.022									
10.023									
10.024									
10.025	Input data for FY 1991 (a)								
10.026	Annual Sales	Million cf		(b)		135.0	399.2	534.2	
10.027	Annual Sales	Mil. gal.	521	338	151	1,010	2,986	3,996	
10.028				(c)					
10.029	Average of 5 Maximum Day Demands	mgd	1.95	1.35	0.60	@ROUND(S10.033*S10.027/365,3)			
10.030									
10.031	For Information Only								
10.032	Average Day	mgd	1.427	0.926	0.414	+S10.027/365			
10.033	Ratio Max to Average Day		1.37	1.46	1.45	+S10.029/S10.032		1.41 << Ave SE & W	
10.034									
10.035	Allowance for Transmission Losses		2%	2%	2%	Estimated			
10.036									
10.037	Data Adjusted for Water Losses								
10.038	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	@ROUND(+S10.029/(1-S10.035),3)			
10.041									
10.042	Total System Data:								
10.043	Average of 5 Maximum Day Demands					mgd	17.26	(a)	
10.044	Filter wash water					mgd	0.35	@ROUND(0.02*S10.043,2)	
10.045	Adj. 5 Max. Day Demands					mgd	16.91	+S10.043-S10.044	
10.046									
10.047									
10.048	Total treated water				(a)	Mil. gal.	4,944	@ROUND(660.9*7.48,0)	
10.049	Filter wash water				(a)	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									
10.054	(a) Source: OMU staff tabulation dated 8-19-91								(b) Total wholesale less Southeast Daviness and West Daviness.
10.055	May, 1991 Financial Statement								(c) Amount per Districts' attorney.
10.056									ratios of the other districts.
10.057									
10.058	(d) East Daviness est 5 day max day demand								
10.059	FY 1989 Annual Sales	Million cf	21.02	<< OMU monthly listing of district sales					
10.060	FY 1989 Annual Sales	Mil. gal.	157.2	@ROUND(S10.059*7.48,1)					
10.061	Average day demand	mgd	0.431	@ROUND(S10.060/365,3)					
10.062	Estimated Max day ratio		1.35						
10.063	Est. East Daviness 5 day max day demand (mgd)		0.582	@ROUND(S10.061*S10.062,3)					
10.064									
10.065									
10.066									
10.067									

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

<b>Fiscal Year</b>	<b>Rate Chg. %</b>	<b>Estimate Gals. (000)</b>	<b>Actual Gals. (000)</b>	<b>Rate/ Thous. Gals. \$</b>	<b>Collected From District \$</b>	<b>Actual Cost \$</b>	<b>Difference</b>
FY 2007	0.00%	312,000	311,340	\$1.148	\$357,418	\$397,486	(\$40,068)
FY 2008	8.89%	315,000	315,964	\$1.250	\$394,955	\$422,121	(\$27,166)
FY 2009	8.80%	309,000	308,795	\$1.360	\$419,961	\$396,189	\$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)
<b>Totals to Date</b>		<b>3,633,000</b>	<b>3,637,481</b>		<b>\$4,653,239</b>	<b>\$4,536,083</b>	<b>\$117,156</b>

Analysis: Proforma Charges to Wholesale Customers  
**Fiscal Year Ending May 31, 2018**  
**TRUE-UP CALCULATION**

Line			FY 1991 Amount	FY 1991 Reference	Inflation Factor	Growth Factor	Calculated Growth Factor	FY 2018 Amount
1.000							27	
1.001							Years	
1.002								
1.003								
1.004								
1.005	<u>Water System Demands and Usage</u>							
1.006								
1.007	System Annual Quantity	Mil. Gal.	4,846	+S10.050	0%	-0.32%	0.918	4,448
1.008								
1.009	District Annual Quantity							
1.010	Southeast Daviess	Mil. Gal.	532	+S10.039	0%	1.02%	1.316	700
1.011	West Daviess	Mil. Gal.	345	+S10.039	0%	0.97%	1.299	448
1.012	East Daviess	Mil. Gal.	154	+S10.039	0%	2.78%	2.097	323
1.013								
1.014	Maximum Day Quantity							
1.015	Southeast Daviess	mgd	1,990	+S10.040	0%	1.13%	1.354	2,694
1.016	West Daviess	mgd	1,378	+S10.040	0%	0.93%	1.284	1,769
1.017	East Daviess	mgd	0,612	+S10.040	0%	2.30%	1.846	1,130
1.018								
1.019	System Maximum Day Quantity	mgd	16.91	+S10.045	0%	-0.31%	0.920	15.55
1.020								
1.021	<u>Operation and Maintenance Expense</u>							
1.022								
1.023	Transmission and Dist. Expense	\$	269,521	(a)	5.56%	0%	4.312	1,162,060
1.024	Source of Supply Expense	\$	121,068	(a)	7.18%	0%	6.504	787,381
1.025	Existing Treatment Plant Expense							
1.026	Chemicals	\$	198,132	(a)	1.37%	-0.32%	1.325	262,551
1.027	Other	\$	405,493	(a)	3.15%	0%	2.310	936,669
1.028	New Treatment Plant Expense							
1.029	Chemicals	\$	0		n/a	n/a	n/a	216,317
1.030	Other	\$	0		n/a	n/a	n/a	756,748
1.031	Pumping Expense							
1.032	Electric Power	\$	240,191	(a)	4.28%	-0.32%	2.852	684,914
1.033	Other-Existing Plant	\$	8,840	(a)	8.42%	0%	8.878	78,479
1.034	Other-New Plant	\$	0		n/a	n/a	n/a	70,409
1.035								
1.036	Administrative Expenses	\$	689,980	(a)	3.04%	0%	2.247	1,550,507
1.037	Customer Accounting & Information	\$	176,825	(a)	5.70%	0%	4.469	790,278
1.038								
1.039	(a) FY 1991 financial statements.		<u>2,110,050</u>					<u>7,296,315</u>
1.040								
1.041								
1.042	<u>Debt Service Payments</u>							
1.043								
1.044	Existing Plant	\$	487,100					0
1.045	1999 Improvements	\$	0					51,116
1.046	2003 Improvements	\$	0					311,979
1.047	2009 Improvements	\$	0					296,644
1.048	2014 Improvements	\$	0					247,558
1.049	2015 Improvements	\$	0					217,257
1.050	Cavin Plant	\$	0					997,137
1.051			<u>487,100</u>					<u>2,121,691</u>
1.052								
1.053								

Determine District Percentage Responsibility for Costs

Analysis: Proforma Charges to Wholesale Customers

Fiscal Year Ending May 31, 2018

TRUE-UP CALCULATION

Line	Units	Wholesale Customers			Subtotal	OMU Retail Customers	Total OMU System
		Southeast Daviess	West Daviess	East Daviess			
2.000							
2.001							
2.002							
2.003							
2.004							
2.005							
2.006	FY 2018 System Annual Quantity	Mil. gal.				2,977	4,448 +\$1.007
2.007	FY 2018 District Annual Quantity	Mil. gal.	700	448	323	1,471	+\$1.010, +\$1.011, +\$1.012
2.008							
2.009	District Responsibility for Variable Expenses		15.74%	10.07%	7.26%	33.07%	@ROUND(+S2.007/S2.006,4)
2.010							
2.011							
2.012	<u>District Responsibility for Fixed Costs of Existing Facilities</u>						
2.013							
2.014	FY 1989 District Base Quantity	mgd	2.378	1.939	0.594	4.911	+\$10.010
2.015	FY 1989 Plant Usage (Base)	mgd					17.54 +\$10.021
2.016	District Responsibility for Fixed Costs of Existing Facilities						
2.017	Percent		13.56%	11.05%	3.39%	28.00%	@ROUND(+S2.014/S2.015,4)
2.018							
2.019							
2.020	<u>District Responsibility for Fixed Costs of Existing Transmission Facilities</u>						
2.021							
2.022	FY 2018 District Maximum Day Quantity		2.694	1.769	1.130	5.593	+\$1.015, +\$1.016, +\$1.017
2.023	FY 2018 System Maximum Day Quantity						15.55 +\$1.019
2.024							
2.025	District Responsibility for Fixed Costs of Existing Transmission Facilities						
2.026	Percent		17.32%	11.38%	7.27%	35.97%	@ROUND(+S2.022/S2.023,4)
2.027							
2.028							
2.029	<u>District Responsibility for Fixed Costs of New Facilities</u>						
2.030							
2.031	FY 2018 System Maximum Day Quantity	mgd					15.55 +\$1.019
2.032	less Base Year Plant Usage	mgd					17.54 Contract
2.033							
2.034	New Plant Capacity	mgd					10.00 Input
2.035	FY 2018 New Plant Usage	mgd					(1.99) +\$2.031-S2.032
2.036	FY 2018 New Plant Usage	mgd	(but not less than zero)				0.00 @IF(S2.035<0.0,+S2.035)
2.037	FY 2018 Reserve Capacity	mgd					10.00 +\$2.034-S2.036
2.038							
2.039	FY 2018 Maximum Day Quantity	mgd	2.694	1.769	1.130	5.593	+\$2.022
2.040	FY 1989 District Base Quantity	mgd	2.378	1.939	0.594	4.911	+\$10.010
2.041	District Growth Quantity	mgd	0.316	(0.170)	0.536		+\$2.039-S2.040
2.042	But not less than zero	mgd	0.316	0.000	0.536		@IF(S2.041<0.0,+S2.041)
2.043							
2.044	District Growth Ratio		1.000	0.000	1.000		@IF(S2.036=0,@IF(S2.042=0,0,1),S2.042/S2.036)
2.045							
2.046	Ratio District Growth Quantity / New Plant Capacity						
2.047							
2.048	Factor	percent	3.16%	0.00%	5.36%		@ROUND(S2.042/S2.034,4)
2.049							
2.050							
2.051	Minimum District Responsibility	percent	12.75%	8.25%	4.00%	25.00%	(a)
2.052							
2.053	District Responsibility for Fixed Costs of New Facilities						
2.054	Percent		12.75%	8.25%	5.36%	26.36%	@MAX(S2.048,S2.051)
2.055	(a) Per Contracts.						
2.056							

Analysis: Proforma Charges to Wholesale Customers  
**Fiscal Year Ending May 31, 2018**  
**TRUE-UP CALCULATION**

Line				
3.000				
3.001				
3.002	FY 2018 Annual Transmission & Distribution Expense	\$1,162,060	+S1.023	(a)
3.003				
3.004	Beginning of year inch-feet of transmission and distribution system			
3.005				
3.006	Distribution mains (less than 8 inch)	6,861,278		
3.007				
3.008	Transmission mains ( 8 inch & over)	5,294,404		
3.009				
3.010	Total	12,155,682		
3.011				
3.012	Transmission portion	43.55%		
3.013				
3.014	Calculated Transmission O&M Expense	\$506,077	@ROUND(S3.002*S3.012,0)	
3.015				
3.016	Net Distribution O&M Expense	\$655,983	+S3.002-S3.014	
3.017				
3.018				
3.019				
3.020				
3.021	(a) Total water trans. & dist. expense less maintenance of services,			
3.022	meters, hydrants and misc. plant.			
3.023				
3.024				



Analysis: Proforma Charges to Wholesale Customers  
**Fiscal Year Ending May 31, 2018**  
**TRUE-UP CALCULATION**

Line		FY 2018	
-----			
4.000			
4.001			
4.002		\$	
4.003			
4.004	Source of Supply Expense	787,381	+S1.024
4.005			
4.006	Water Treatment		
4.007	Existing Plant		
4.008	Chemicals	262,551	+S1.026
4.009	Other	936,669	+S1.027
4.010			
4.011	New Plant		
4.012	Chemicals	216,317	+S1.029
4.013	Other	756,748	+S1.030
4.014			
4.015	Pumping Expense		
4.016	Electric Power	684,914	+S1.032
4.017	Other-Existing Plant	78,479	+S1.033
4.018	Other-New Plant	70,409	+S1.034
4.019			
4.020	Variable Expenses		
4.021	Electric Power	684,914	+S4.016
4.022	Chemicals-Existing Plant	262,551	+S4.008
4.023	Chemicals-New Plant	216,317	+S4.012
4.024	Total Variable Expenses	1,163,782	@SUM(S4.021..S4.023)
4.025			
4.026			
4.027			
4.028			

Analysis: Proforma Charges to Wholesale Customers  
**Fiscal Year Ending May 31, 2018**  
**TRUE-UP CALCULATION**

Line				
5.000				FY 2018
5.001				-----
5.002				\$
5.003	Existing Revenue Bonds			
5.004	Annual P & I		0	+S1.044
5.005				
5.006	Allocation - Existing Revenue Bonds	(a)		
5.007	Water Supply & Treatment	66.28%	0	@ROUND(\$5.004*\$5.007,0)
5.008	Transmission Mains	33.72%	0	@ROUND(\$5.004*\$5.008,0)
5.009	Total	100.00%	0	+S5.007+S5.008
5.010				
5.011	New Revenue Bonds			
5.012	Debt Service on Improvements - 1999 Bonds			
5.013	Annual P & I		51,116	+S1.045
5.014	Debt Service on Improvements - 2003 Bonds			
5.015	Annual P & I		311,979	+S1.046
5.016	Debt Service on Improvements - 2009 Bonds			
5.017	Annual P & I		296,644	+S1.047
5.018	Debt Service on Improvements - 2014 Bonds			
5.019	Annual P & I		247,558	+S1.048
5.020	Debt Service on Improvements - 2015 Bonds			
5.021	Annual P & I		217,257	+S1.050
5.022	Debt Service on Cavin Project			
5.023	Annual P & I		997,137	+S1.050
5.024				
5.025	Allocation - 1999 Improvements	(b)		
5.026	Water Supply & Treatment	42.25%	21,596	@ROUND(\$5.013*\$5.026,0)
5.027	Transmission Mains	57.75%	29,519	@ROUND(\$5.013*\$5.027,0)
5.028	Total	100.00%	51,115	+S5.026+S5.027
5.029				
5.030	Allocation - 2003 Improvements	(b)		
5.031	Water Supply & Treatment	47.74%	148,939	@ROUND(\$5.015*\$5.031,0)
5.032	Transmission Mains	52.26%	163,040	@ROUND(\$5.015*\$5.032,0)
5.033	Total	100.00%	311,979	+S5.031+S5.032
5.034				
5.035	Allocation - 2009 Improvements	(c)		
5.036	Water Supply & Treatment	58.51%	173,568	@ROUND(\$5.017*\$5.036,0)
5.037	Transmission Mains	4.74%	14,061	@ROUND(\$5.017*\$5.037,0)
5.038	Cavin Plant	13.68%	40,581	@ROUND(\$5.017*\$5.038,0)
5.039	Distribution/General Plant	23.07%	68,436	@ROUND(\$5.017*\$5.039,0)
5.040	Total	100.00%	296,646	+S5.036+S5.037+S5.038+S5.039
5.041				
5.042	Allocation - 2014 Improvements	(d)		
5.043	Water Supply & Treatment	27.26%	67,484	@ROUND(\$5.019*\$5.043,0)
5.044	Transmission Mains	26.53%	65,677	@ROUND(\$5.019*\$5.044,0)
5.045	Cavin Plant	11.89%	29,435	@ROUND(\$5.019*\$5.045,0)
5.046	Distribution/General Plant	34.32%	84,962	@ROUND(\$5.019*\$5.046,0)
5.047	Total	100.00%	247,558	+S5.043+S5.044+S5.045+S5.046
5.048				
5.049	Allocation - 2015 Improvements	(e)		
5.050	Water Supply & Treatment	44.00%	95,593	@ROUND(\$5.036*\$5.050,0)
5.051	Cavin Plant	56.00%	121,664	@ROUND(\$5.036*\$5.051,0)
5.052	Total	100.00%	217,257	+S5.050+S5.051
5.053				
5.054	Debt Service Summary			
5.055	Existing Treatment Facility		507,180	+S5.007+S5.026+S5.031+S5.036+S5.043+S5.050
5.056	New Treatment Facility		1,188,817	+S5.023+S5.038+S5.045+S5.051
5.057	Transmission Facilities		272,297	+S5.008+S5.027+S5.032+S5.037+S5.044
5.058	Distribution/General Plant		153,398	+S5.039+S5.046
5.059			2,121,692	+S5.055+S5.056+S5.057+S5.058
5.060	(a) Exhibit E, Contract			
5.061	(b) Based on dollars spent on improvements, per Water Construction Fund schedule.			
5.062	(c) Based on dollars spent on improvements, per Water Construction Fund schedule.			
5.063	(d) Based on estimated dollars to be spent on improvements, per Water Financial model.			

Analysis: Proforma Charges to Wholesale Customers  
**Fiscal Year Ending May 31, 2018**  
**TRUE-UP CALCULATION**

Line		FY 2018	
-----		-----	
6.000			
6.001			
6.002		\$	
6.003			
6.004	Administrative and General Expenses	1,550,507	+S1.036
6.005			
6.006	Basis of Allocation = Supervised Expenses (b)		
6.007	Existing Treatment Facility	1,802,530	+S4.004+S4.009+S4.017
6.008			
6.009	New Treatment Facility	827,158	+S4.013+S4.018
6.010			
6.011	Transmission System	506,077	+S3.014
6.012			
6.013	Distribution System	655,983	+S3.016
6.014			
6.015	Customer Accounting & Information	790,278	+S1.037
6.016			
6.017	Total Above	<u>4,582,026</u>	@SUM(S6.007..S6.015)
6.018			
6.019	Allocation Of Admin. & Gen. Expense		
6.020	Existing Treatment Facility	609,956	@ROUND(+S6.004*S6.007/S6.017,0)
6.021			
6.022	New Treatment Facility	279,901	@ROUND(+S6.004*S6.009/S6.017,0)
6.023			
6.024	Transmission System	171,251	@ROUND(+S6.004*S6.011/S6.017,0)
6.025			
6.026	Distribution System	221,977	@ROUND(+S6.004*S6.013/S6.017,0)
6.027			
6.028	Customer Accounting & Information	267,421	@ROUND(+S6.004*S6.015/S6.017,0)
6.029			
6.030	Total Above	<u>1,550,506</u>	@SUM(S6.020..S6.028)
6.031			
6.032	(b) Excludes expenses which vary with the quantity of water produced.		

Analysis: Proforma Charges to Wholesale Customers  
**Fiscal Year Ending May 31, 2018**  
**TRUE-UP CALCULATION**

Line				
7.000			FY 2018	
7.001			-----	
7.002			\$	
7.003	Existing Treatment Facility Fixed Costs			
7.004	Debt Service	507,180	+S5.055	
7.005				
7.006	O&M Expense	1,802,530	+S4.004+S4.009+S4.017	
7.007				
7.008	Replacements & Improvements	139,950	+S7.045	
7.009				
7.010	Admin. & General Expense	<u>609,956</u>	+S6.020	
7.011				
7.012	Total Existing Treatment Facility Fixed Costs	3,059,616	@SUM(S7.004..S7.010)	
7.013				
7.014				
7.015	New Treatment Facility Fixed Costs			
7.016				
7.017	Debt Service	1,188,817	+S5.056	
7.018				
7.019	O&M Expense	827,158	+S4.013+S4.018	
7.020				
7.021	Replacements & Improvements	308,545	+S7.049	
7.022				
7.023	Admin. & General Expense	<u>279,901</u>	+S6.022	
7.024				
7.025	Total New Treatment Facility Fixed Costs	2,604,421	@SUM(S7.017..S7.023)	
7.026				
7.027	Transmission Facility Fixed Costs			
7.028	Debt Service	272,297	+S5.057	
7.029				
7.030	O&M Expense	506,077	+S3.014	
7.031				
7.032	Replacements & Improvements	227,860	+S7.053	
7.033				
7.034	Admin. & General Expense	<u>171,251</u>	+S6.024	
7.035				
7.036	Total Transmission Facility Fixed Costs	1,177,485	@SUM(S7.028..S7.034)	
7.037				
7.038	Variable Expenses			
7.039	Total Amount	1,163,782	+S4.024	
7.040				
7.041	<b>Plant Investment as of May 31, 2017:</b>			
7.042	Existing Treatment Facilities			
7.043	Existing/Additions	(a) <u>9,584,144</u>	1.25%	119,802
7.044	Cavin Project Improvements	(a) <u>1,611,825</u>	1.25%	<u>20,148</u>
7.045		11,195,969		139,950
7.046	New Treatment Facilities			
7.047	Additions	(a) <u>1,466,041</u>	1.25%	18,326
7.048	Cavin Project	(a) <u>23,217,545</u>	1.25%	<u>290,219</u>
7.049		24,683,586		308,545
7.050	Transmission Facilities			
7.051	Existing/Additions	(a) <u>15,773,353</u>	1.25%	197,167
7.052	Cavin Project Improvements	(a) <u>2,455,475</u>	1.25%	<u>30,693</u>
7.053		18,228,828		227,860
7.054				
7.055	(a) Contributions to R&R Fund for FY 2017 were 1.25% of Plant Investment,			
7.056	excluding land. Distribution Plant and General Plant are excluded from			<u>676,355</u>
7.057	Water District cost allocations.			

Analysis: Proforma Charges to Wholesale Customers  
**Fiscal Year Ending May 31, 2018**  
**TRUE-UP CALCULATION**

Line	Total System Costs	Wholesale Customers			Subtotal	
		Southeast Daviess	West Daviess	East Daviess		
8.000						
8.001						
8.002						
8.003						
8.004						
8.005						
8.006						Existing Treatment Facility
8.007	\$3,059,616	+S7.012				Total Costs
8.008						
8.009						District Responsibility
8.010						Percent
8.011		\$414,884	\$338,088	\$103,721	\$856,693	Amount
8.012						@ROUND(S8.007*S8.010,0)
8.013						
8.014						New Treatment Facility
8.015	\$2,604,421	+S7.025				Total Costs
8.016						
8.017						District Responsibility
8.018						Percent
8.019		\$332,064	\$214,865	\$139,597	\$686,526	Amount
8.020						@ROUND(S8.015*S8.018,0)
8.021						
8.022						Transmission Facilities
8.023	\$1,177,485	+S7.036				Total Costs
8.024						
8.025						District Responsibility
8.026						Percent
8.027		\$203,940	\$133,998	\$85,603	\$423,541	Amount
8.028						@ROUND(S8.023*S8.026,0)
8.029						
8.030						Variable Expenses
8.031	\$1,163,782	+S7.039				Total Costs
8.032						
8.033						District Responsibility
8.034						Percent
8.035		\$183,179	\$117,193	\$84,491	\$384,863	Amount
8.036						@ROUND(S8.031*S8.034,0)
8.037						
8.038		\$0	\$0	\$0	\$0	Total Prior Year True-Up Adjustment
8.039		\$0	\$0	\$0	\$0	Unrecovered True-Up Charges
8.040		\$0	\$0	\$0	\$0	True-Up Adjustment This Period
8.041						
8.042	\$1,134,067	\$804,144	\$413,412	\$2,351,623	+S8.011+S8.019+S8.027+S8.035+S8.038	Total Charges to Districts for FY 2018
8.043						
8.044						
8.045						Effective Unit Charge
8.046		\$0.605	\$0.770	\$0.327	\$0.594	Existing Treatment Facility
8.047		\$0.484	\$0.489	\$0.440	\$0.476	New Treatment Facility
8.048		\$0.297	\$0.305	\$0.270	\$0.294	Transmission Facilities
8.049		\$0.267	\$0.267	\$0.267	\$0.267	Variable Expenses
8.050		\$0.000	\$0.000	\$0.000	\$0.000	Prior Year Trueup
8.051						
8.052		\$1.653	\$1.832	\$1.304	\$1.631	@SUM(S8.044..S8.049)
8.053						

Analysis: Proforma Charges to Wholesale Customers  
**Fiscal Year Ending May 31, 2018**  
**TRUE-UP CALCULATION**

Line	Wholesale Customers						
		Southeast Daviness	West Daviness	East Daviness	Subtotal		
9.000							
9.001							
9.002							
9.003							
9.004							
9.005							
9.006	Sales, FY 1991	Mil. gal	521	338	151	1,010	+S10.027
9.007	Growth Factor		1,316	1,299	2,097		S1.010 through S1.012
9.008	Sales, FY 2018	Mil. gal	686	439	317	1,442	@ROUND(S9.006*S9.007,0)
9.009							
9.010	Total FY 2018 Charges		\$1,134,067	\$804,144	\$413,412	\$2,351,623	+S8.040
9.011							
9.012	Effective unit cost (per 1000 gallons)		\$1.653	\$1.832	\$1.304	\$1.631	@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	\$1.168	(Per Contracts)
9.016							
9.017	<b>WATER RATES effective June 1, 2018</b>		<b>\$1.653</b>	<b>\$1.832</b>	<b>\$1.304</b>	\$1.631	@MAX(+S9.012,+S9.015)
9.018							
9.019	Effective Rate Over (Under) Floor		\$0.505	\$0.619	\$0.156		
9.020							
9.021							
9.022	<b>Current Rates (per 1000 gallons) - effective 6-1-2014</b>		<b>\$1.540</b>	<b>\$1.640</b>	<b>\$1.280</b>		
9.023	Increase (Decrease)		\$0.113	\$0.192	\$0.024		
9.024	Percent Increase (Decrease)		7.3%	11.7%	1.9%		
9.025							

Analysis: Proforma Charges to Wholesale Customers  
**Fiscal Year Ending May 31, 2018**  
**TRUE-UP CALCULATION**

Line		Wholesale Customers			Subtotal	OMU Retail Customers	Total OMU System
		Southeast Davieess	West Davieess	East Davieess			
10.000							
10.001							
10.002							
10.003	Units						
10.004							
10.005	Data for Base Year FY 1989						
10.006							
10.007	Average of 5 Maximum Day Demands			(c)			
10.008	Amount (a)	mgd	2.330	1.900	0.582	4.812	
10.009	Allowance for Transmission Losses		2%	2%	2%	Estimated	
10.010	Amount Adjusted for Losses	mgd	2.378	1.939	0.594	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	+S10.014/365	
10.016	Ratio Max to Average Day		1.69	2.02	1.35	+S10.008/S10.015	
10.017							
10.018							
10.019	Average of System 5 maximum day demands				mgd	17.90 (a)	
10.020	Allowance for filter wash water					2%	
10.021	Adj. System 5 Maximum Day Demands (Base year plant usage)				mgd	17.54 @ROUND(+S10.019*(1-S10.020),2)	
10.022							
10.023							
10.024							
10.025	Input data for FY 1991 (a)						
10.026	Annual Sales	Million cf		(b)	135.0	399.2	
10.027	Annual Sales	Mil. gal.	521	338	151	1,010	
10.028				(c)		2,986	
10.029	Average of 5 Maximum Day Demands	mgd	1.95	1.35	0.60	@ROUND(S10.033*S10.027/365,3)	
10.030							
10.031	For Information Only						
10.032	Average Day	mgd	1.427	0.926	0.414	+S10.027/365	
10.033	Ratio Max to Average Day		1.37	1.46	1.45	+S10.029/S10.032	
10.034						1.41 << Ave SE & W	
10.035	Allowance for Transmission Losses		2%	2%	2%	Estimated	
10.036							
10.037	Data Adjusted for Water Losses						
10.038	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	@ROUND(+S10.029/(1-S10.035),3)	
10.041							
10.042	Total System Data:						
10.043	Average of 5 Maximum Day Demands				mgd	17.26 (a)	
10.044	Filter wash water				mgd	0.35 @ROUND(0.02*S10.043,2)	
10.045	Adj. 5 Max. Day Demands				mgd	16.91 +S10.043-S10.044	
10.046							
10.047							
10.048	Total treated water			(a)	Mil. gal.	4,944 @ROUND(660.9*7.48,0)	
10.049	Filter wash water			(a)	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							
10.054	(a) Source: OMU staff tabulation dated 8-19-91			(b) Total wholesale less Southeast Davieess and West Davieess.			
10.055	May, 1991 Financial Statement			(c) Amount per Districts' attorney.			
10.056				ratios of the other districts.			
10.057							
10.058	(d) East Davieess est 5 day max day demand						
10.059	FY 1989 Annual Sales	Million cf	21.02	<< OMU monthly listing of district sales			
10.060	FY 1989 Annual Sales	Mil. gal.	157.2	@ROUND(S10.059*7.48,1)			
10.061	Average day demand	mgd	0.431	@ROUND(S10.060/365,3)			
10.062	Estimated Max day ratio		1.35				
10.063	Est. East Davieess 5 day max day demand (mgd)		0.582	@ROUND(S10.061*S10.062,3)			
10.064							
10.065							
10.066							
10.067							