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PUBLIC SERVICE COMMISSION

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

THE APPLICATION OF THE GREEN-TAYLOR)
WATER DISTRICT FOR THE ISSUANCE OF A)
CERTIFICATE OF PUBLIC CONVENIENCE AND)
NECESSITY TO CONSTRUCT AND FINANCE A) Case No. 2018-00368
WATER SYSTEM IMPROVEMENTS PROJECT)
PURSUANT TO KRS 278.020, KRS 278.300 AND)
807 KAR 5:001)

Response to Commission Staff's Request for Information

The Green-Taylor Water District (the "District"), by counsel, hereby files its Response to the Commission Staff's Request for Information, dated November 29, 2018, as follows:

Q 1. Refer to the application, page 9, which references the District's intention to create a Capital Improvement Plan for future projects. State whether the District has ever completed a Capital Improvement Plan. If so, provide to the Commission a copy of each Capital Improvement Plan with its respective date of creation.

WITNESS: Josh Pedigo, General Manager, Green-Taylor Water District

RESPONSE 1:

The District completed Capital Improvement Plans in August, 2017 and February, 2018. With the help of a tool, C.I.P. Plan to Pay, developed by the University of North Carolina's Environmental Finance Center, the District has looked at the practicality of projects over the past two years. However, through this process, the District has realized that they need to do more indepth planning to ensure the viability both financially and operationally of the District's current assets moving forward. The District's August, 2017 and February, 2018 Plan to Pay: Capital Improvement Plans are attached hereto as **Exhibit "A"**.

Q 2. Refer to the Kentucky Infrastructure Authority ("KIA") Federally Assisted Drinking Water Revolving Fund Conditional Commitment Letter, dated September 28, 2018, Attachment A, Project Review. On page 3, KIA states, "The project will qualify for a 1.75 percent interest rate based on their status as a regional provider and the project's intent to address an Agreed Order." Identify the Agreed Order that KIA is referring to and how the proposed Project addresses that Agreed Order.

WITNESS: Josh Pedigo, General Manager, Green-Taylor Water District

RESPONSE 2:

The Commonwealth of Kentucky Energy and Environmental Cabinet, Division of Enforcement ("Cabinet") issued Agreed Order #150193 on February 2, 2016 between the Cabinet and the District (a copy of Agreed Order #150193 is attached hereto as **Exhibit "B"**). The proposed Project addresses the Agreed Order for Disinfection Byproducts in two ways. First, portions of the Project create loops in areas of the District's system that allows for water turnover which will keep the water in those portions of the system from aging unnecessarily and have better turnover to help with water age in those areas. Also, the Project strengthens portions of the system to allow for the District to purchase more water from other suppliers that do not have disinfection byproduct issues.

The undersigned has prepared this Response as Counsel to and on behalf of the Green-Taylor Water District, a governmental agency, and hereby certifies that this Response is true and accurate to the best of the undersign's knowledge, information and belief formed after a reasonable inquiry.

Respectfully Submitted:

Rubin & Hays

By W. Randall Jones, Esq., Counsel for the

Green-Taylor Water District Kentucky Home Trust Building

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Louisville, Kentucky 40202 Telephone: (502) 569-7525

Fax: (502) 569-7555

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Certificate of Service and Filing

The undersigned, Counsel to the Green-Taylor Water District, in Case No. 2018-00368, hereby certifies (i) that an original and ten copies of the foregoing were mailed via the United States Postal Service, first class, postage prepaid, to Ms. Gwen R. Pinson, Executive Director of the Kentucky Public Service Commission, 211 Sower Boulevard, Frankfort, Kentucky 40601; and (ii) that true and accurate copies of the foregoing were mailed via the United States Postal Service, first class, postage prepaid to all parties of record, all on this December 4, 2018.

W. Randall Jones, Esq.

Rubin & Hays

EXHIBIT A-1

AUGUST, 2017 CAPITAL IMPROVEMENT PLAN

Plan to Pay: Scenarios to Fund your C.I.P.

Utility Operations and Characteristics

Next: Enter C.I.P. Projects **View Fund Balance** View Dashboard

Tool developed by UNC ENVIRONMENTAL PINANCE CENTER

Name of Utility **Green-Taylor Water District**

> Type of Utility **Water Only**

Current Fiscal Year FY17

Only capital projects that start next year (i.e.: in FY18) for the next 20 years can be included in this Capital Improvement Plan.

Water Only Rates in FY17	Marie			
Input the residential water rates at 5,000 gallons/month of ccf/month). Convert to monthly rates.	of use	(or 6.7		
Volumetric Rate at 5,000 gallons/month (\$/1000 gallons)	\$	8.50		
Monthly Base Charge ("Minimum Charge")	\$	20.40		
Volume Included with the Base Charge (1,000's of gallons)				

Apprx. Residential Bill (5,000 gallons/month): \$ 45.90

Assuming uniform rates up to 5,000 gallons/month. This number is illustrative only.

Existing Capital Reserves by End of FY17	\$	1,687,500
Target Minimum Not Allocated to Future Cash-Financed Projects*	\$	2,000,000
Average Annual Interest Earnings on Reserves (%/year)	12.5	0.99%

* The target minimum non-allocated balance is equivalent to 47% of this year's non-capital expenditures (enough to pay for 5.6 months of day-to-day O&M expenditures)

Expected Revenues and Expense	s in FY17		
Annual Operating and Non-operating Revenues	\$	5,000,000	
Annual Non-Capital Expenditures (O&M, Admin., etc.)	\$	4,250,000	
Expected Annual Inflation of Expenditures (%/year)	10.2	2.7%	

	Residential	Non-residential
Number of Customers	4,850	75
Total Monthly Use (1,000's of gallons)	22,500	2,000
Annual Customer Base Growth (%/year)	1.0%	1.2%
Change in Average Water Use (%/year)	-2.0%	0.0%

Average Water Use (gallons/month):	4,639	26,667

Expected Revenue	from Rates in FY17:	\$ 2,699,940
THE RESERVE OF THE PROPERTY OF THE PERSON NAMED IN COLUMN TWO		

This model estimates rate increases needed to pay for this CIP, but does not prescribe rate increases. Projections are purely illustrative. A rate study is still necessary. For example, a utility might choose to mitigate large future rate increases by spreading them out in the intervening period.

Pre-Existing Debt Service	99
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incurred fo	or all proje	nents for debt ects not listed in east projects)
FY17	\$	327,633
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FY17	\$	327,633
FY18	\$	654,860
FY19	\$	660,442
FY20	\$	576,540
FY21	\$	573,837
FY22	\$	580,530
FY23	\$	565,155
FY24	\$	577,950
FY25	\$	610,085
FY26	\$	601,770
FY27	\$	485,120
FY28	\$	224,945
FY29	\$	229,210
FY30	\$	242,920
FY31	\$	226,487
FY32	\$	230,100
FY33	\$	223,440
FY34	\$	216,690
FY35	\$	229,415
FY36	\$	152,947
FY37	\$	79,180
FY38	\$	76,765

Plan to Pay: Scenarios to Fund your C.I.P.

Capital Improvement Projects Starting in FY18 - FY37

Edit Inputs

View the Dashboard

Next: View the 20 Year Fund



						More								
CAPITAL IMPROVEMENT PROJECTS - 20 YEARS	Project Construction Start Year	truction Period rt Year (years) Estimated		Expenditure/ Project Construction onstruction Start Year (years) Expenditure/ Construction Start Year (years) Expenditure/ Construction Estimated Construction Cost		Annual Construction Cost Inflation Factor	Estir		Expected Grants at Time of Construction	the	eject Cost in Start Year of Grants	Financing Mechanism: Debt Financing or Capital Reserves?	Term of Debt (years)	Interest Rate Charged for Debt (%/year)
List all known projects for the next 20 years			In the Start Year OR	Toda	y (i.e. in FY17)						基金的			
WX21217027 - System Improvements in Taylor County	FY18	1		\$	1,842,071	1.0%	\$	1,860,492		\$	1,860,492	Debt Financing	20	1.75%
WX21087007 - US 68Tank & Water Main Upgrade	FY20	1		\$	1,358,000	1.5%	\$	1,420,031			1,420,031	Debt Financing	20	1.75%
WX21087021 - Pierce Tank Improvements	FY21	1		\$	200,000	2.0%	\$	216,486	\$ -	\$	216,486	Capital Reserves		
WX21217019 - Taylor County Water Line Extension	FY21	1		\$	634,000	2.0%	\$	686,262	\$ -	\$	686,262	Capital Reserves		
WX21217024 - Pine Road Water Line Extension	FY20	1		\$	147,000	1.5%	\$	153,715	s -	\$	153,715	Capital Reserves	POWE	
WX21087015 - Summersville 300,000 Gallon Storage Tank Project	FY23	1		\$	750,000	3.0%	\$	895,539		\$	895,539	Debt Financing	20	1.75%
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Capital*

CAPITAL IMPROVEMENT PROJECTS - 20 YEARS	First Year of Capital Reserve Allocation Additional Annual O&M Costs (\$/year)		ual O&M Costs	No errors detected
List all known projects for the next 20 years WX21217027 - System Improvements in Taylor				
County				
WX21087007 - US 68Tank & Water Main Upgrade		\$	10,000	
WX21087021 - Pierce Tank Improvements	FY19	\$		
WX21217019 - Taylor County Water Line			-	
Extension	FY17	\$	1,500	
WX21217024 - Pine Road Water Line Extension	FY19	\$ ((250,000)	
WX21087015 - Summersville 300,000 Gallon Storage Tank Project				
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	Annual Consultation			
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	Barrier Tolorica			
	Mark Devices	115		

BOGUES BANKS FY08 - FY12 PROJECTIONS

Plan to Pay: Scenarios to Fund your C.I.P. 20-Year Fund Balance and Estimated Rate Increase Projections

Edit Inputs

Edit C.I.P. Projects

Next: View the Dashboard of Long-Term Trends



View-only. No edits are needed.

		FY17	FY18		FY19	FY20	FY21	FY22	FY23	FY24	FY25	FY26	FY27	FY28	FY29
Estimated Rate Changes Needed to Maintain the I	Fund Ba	lance													
1-Year Increase (Decrease) in Rates (Base and Volumetric) Increase (Decrease) in the Monthly Bill for 5,000 Gallons Increase (Decrease) in the Monthly Base Charge		N/A N/A N/A	21.2% \$9.73 \$4.33	SHIPP.	0.3% \$0.15 \$0.07	0.3% \$0.15 \$0.07	0.0% \$0.00 \$0.00	0.0% \$0.00 \$0.00	0.0% \$0.00 \$0.00	1.9% \$1.09 \$0.49	3.9% \$2.20 \$1.00	3.7% \$2.20 \$1.00	1.8% \$1.11 \$0.50	0.8% \$0.52 \$0.24	3.1% \$1.95 \$0.88
Monthly Base Charge ("Minimum Charge") Volumetric Rate at 5,000 gallons/month (\$/1000 gallons) Volume Included with the Base Charge (1,000's of gallons)		\$20.40 \$8.50		24.73 10.30 2	\$24.80 \$10.33	\$24.87 \$10.36	\$24.87 \$10.36	\$24.87 \$10.36	\$24.87 \$10.36	\$25.36 \$10.56	\$26.36 \$10.98	\$27.36 \$11.36	\$27.86 \$11.56	\$28.10 \$11.66	\$28.98 \$12.01
Approximate Monthly Charge for 5,000 gallons (\$)		\$45.90		55.63	\$55.79	\$55.94	\$55.94	\$55.94	\$55.94	\$57.03	\$59.23	\$61.44	\$62.55	\$63.07	\$65.01
Projected Fund Balance															
Total Revenues	\$	5,000,000	\$ 5,58	,401 \$	5,603,555	5,617,087	5,619,689 \$	5,616,656 \$	5,621,833 \$	5.687,226 \$	5,813,843 \$	5,939,124 \$	6,003,451 \$	6.035,579 \$	6,147,123
Base Charges	\$	1,205,640	\$ 1,47	3,053 \$	1,495,052 \$	1,514,283	1,529,472 \$	1,544,814 \$	1,560,309 \$	1,607,225 \$	1,687,220 \$	1,768,659 \$	1,819,346 \$	1,853,152 \$	1,930,522
Usage Charges	\$	1,494,300	\$ 1,77	3,511 \$	1,740,822 \$	1,708,128	1,670,903 \$	1,633,870 \$	1,597,026 \$	1,590,292 \$	1,612,201 \$	1,631,447 \$	1,620,252 \$	1,593,067 \$	1,599,990
Interest Earned from Previous Year's Positive Balance	N/A		\$ 1	3,706 \$	21,248 \$	24,707 \$	25,573 \$	20,220 \$	22,494 \$	23,210 \$	23,181 \$	22,788 \$	22,382 \$	22,397 \$	23,897
Revenues from Other Sources Besides Charges	\$	2,300,060	\$ 2,32	3,131 \$	2,346,433	2,369,969	2,393,741 \$	2,417,752 \$	2,442,004 \$	2,466,499 \$	2,491,240 \$	2,516,230 \$	2,541,470 \$	2,566,964 \$	2,592,713
Total Expenses, Including Capital	\$	4,577,633		0.665 \$	5,254,095	5,529,702	6,160,330 \$	5,386,949 \$	5,549,516 \$	5,690,158 \$	5,853,592 \$	5,980,122 \$	6,001,957 \$	5,884,006 \$	6,034,335
Pre-Existing Non-Capital Expenses (O&M, admin, etc.)	\$	4,250,000	\$ 4,36	1,750 \$	4,482,598	4,603,628	4,727,926 \$	4,855,580 \$	4,986,681 \$	5,121,321 \$	5,259,597 \$	5,401,606 \$	5,547,450 \$	5,697,231 \$	5,851,056
C.I.P. Projects: Additional Non-Capital Annual Expenses	\$		\$	- \$	- \$	- 5		(244,980) \$	(251,594) \$	(258,388) \$	(265,364) \$	(272,529) \$	(279,887) \$	(287,444) \$	(295,205)
Pre-Existing Debt Service	\$	327,633		,860 \$	660,442 \$	576,540 \$	573,837 \$	580,530 \$	565,155 \$	577,950 \$	610,085 \$	601,770 \$	485,120 \$	224,945 \$	229,210
C.I.P. Projects: Debt Service	\$	-		,055 \$	111,055	195,818	195,818 \$	195,818 \$	249,274 \$	249,274 \$	249,274 \$	249,274 \$	249,274 \$	249,274 \$	249,274
C.I.P. Projects: Cash-Financed from Capital Reserves	\$		\$	- \$	- \$	153,715 \$	902,748 \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	4
Net Income	\$	422,367	\$ 45	,736 \$	349,459	87,386	(540,641) \$	229,707 \$	72,317 \$	(2,932) \$	(39,749) \$	(40,998) \$	1,494 \$	151,573 \$	112,788
Financial Reserves - Ending Balance	175	1,687,500	\$ 2,14	,236 \$	2,495,696	2,583,081	2,042,440 \$	2,272,147 \$	2,344,464 5	2,341,533 \$	2,301,783 \$	2,260,785 \$	2,262,279 \$	2,413,853 \$	2,526,640
Allocated for Future C.I.P. Cash-Financed Projects	\$		\$ 13	,252 \$	423,524 \$	556,081 \$	(137,252) \$	(137,252) \$	(137,252) \$	(137,252) \$	(137,252) \$	(137,252) \$	(137,252) \$	(137,252) \$	(137,252)
Not Allocated to Future C.I.P. Cash-Financed Projects * should exceed target set on first page: \$2,000,000	\$	1,687,500	\$ 2,00		2,072,171	2,027,000 \$	2,179,692 \$	2,409,399 \$	2,481,717 \$	2,478,785 \$	2,439,036 \$	2,398.037 \$	2,399,531 \$	2,551,105 \$	2,663,893
As Percent of Non-Capital Expenses		40%		46%	46%	44%	49%	52%	52%	51%	49%	47%	46%	47%	48%

Expenses on Capital Projects Listed in this C.I.P.													
Capital Expenses on C.I.P.'s Projects (Debt Service + Cash)	N/A	\$ 111,055	\$ 111,055 \$	349,533 \$	1,098,567 \$	195,818 \$	249,274 \$	249,274 \$	249,274 \$	249,274 \$	249,274 \$	249,274 \$	249,274
Cumulative Investment in C.I.P.'s Capital Projects	N/A	\$ 111,055			1,670,210 \$	1,866,028 \$	2,115,303 \$	2,364,577 \$	2,613,851 \$	2,863,126 \$	3,112,400 \$	3,361,674 \$	3,610,948
Expenses on All Capital Projects, Including Pre-Existing Debt \$	327,633				1,672,404 \$	776,348 \$	814,429 \$	827,224 \$	859,359 \$	851,044 \$	734,394 \$	474,219 \$	478,484
Cumulative Investment in Capital Projects, Incl. Pre-Existing \$	327,633	\$ 1,093,548	\$ 1,865,045 \$		4,463,522 \$	5,239,870 \$	6,054,300 \$	6,881,524 \$	7,740,883 \$	8,591,928 \$	9,326,322 \$	9,800,541 \$	
By Project	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24	FY25	FY26	FY27	FY28	FY29
WX21217027 - System Improvements in Taylor County		\$ 111,055	\$ 111,055	111,055 \$	111,055 \$	111,055 \$	111,055 \$	111,055 \$	111,055 \$	111,055 \$	111,055 \$	111,055 \$	111,055
WX21087007 - US 68Tank & Water Main Upgrade		\$ -			84,763 \$	84,763 \$	84,763 \$	84,763 \$	84,763 \$	84,763 \$	84,763 \$	84.763 \$	84,763
WX21087021 - Pierce Tank Improvements		\$ -			216,486 \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	
VX21217019 - Taylor County Water Line Extension		\$ -			686,262 \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	
NX21217024 - Pine Road Water Line Extension		\$ -			- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	
NX21087015 - Summersville 300,000 Gallon Storage Tank Project		\$ -			- \$	- \$	53,456 \$	53,456 \$	53,456 \$	53,456 \$	53,456 \$	53,456 \$	53,456
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BOGUES BANKS FY08 - FY12 PROJECTIONS

20-Year Projections

New Funds Allocated Each Year to Future Cash-Finance	ced Project	ts	ALC: THE COLOR										
New Allocations Made for Future Cash-Financed Projects	N/A	\$	137,252 \$	286,272 \$	286,272 \$	209,415 \$	- \$	- \$	- \$	- \$	- \$	- S	- \$
By Project	FY17		FY18	FY19	FY20	FY21	FY22	FY23	FY24	FY25	FY26	FY27	FY28 FY29
X21217027 - System Improvements in Taylor County		\$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$
X21087007 - US 68Tank & Water Main Upgrade		S	- \$	- \$				- \$	- \$	- \$	- \$	- \$	· \$
X21087021 - Pierce Tank Improvements		\$	- \$	72,162 \$				- \$	- \$	- \$	- \$	- \$	- \$
X21217019 - Taylor County Water Line Extension		5	137,252 \$	137,252 \$			- \$	- \$	- \$	- \$		- \$	- \$
X21217024 - Pine Road Water Line Extension		\$	- \$	76,857 \$	76,857 \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$
X21087015 - Summersville 300,000 Gallon Storage Tank Project		S	- S	- \$		- \$		- \$	- \$	- \$		- \$	- \$
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Plan to Pay: Sca 20-Year Fund Balance and

View-only. No edits are needed.

	FY30	FY31	FY32		FY33	100	FY34		FY35		FY36		FY37	Total
stimated Rate Changes Needed to Maintain the Fur														
Year Increase (Decrease) in Rates (Base and Volumetric)	4.5%	4.9%	4.1%		4.1%		3.5%		3.0%		2.1%		2.2%	
crease (Decrease) in the Monthly Bill for 5,000 Gallons	\$2.92	\$3.35	\$2.90		\$3.06		\$2.73		\$2.41		\$1.71		\$1.81	
crease (Decrease) in the Monthly Base Charge	\$1.33	\$1.52	\$1.32		\$1.39		\$1.24		\$1.10		\$0.78		\$0.82	
onthly Base Charge ("Minimum Charge")	\$30.30	\$31.82	\$33.14		\$34.53		\$35.77		\$36.87		\$37.65		\$38.47	
fumetric Rate at 5,000 gallons/month (\$/1000 gallons)	\$12.54	\$13.15	\$13.68		\$14.24		\$14.74		\$15.17		\$15.49		\$15.81	
lume Included with the Base Charge (1,000's of gallons)	2	2	2		2		2		2		2		2	
proximate Monthly Charge for 5,000 gallons (\$)	\$67.94	\$71.28	\$74.19		\$77.25		\$79.98		\$82.39		\$84.10		\$85.91	
rojected Fund Balance	6,310,529 \$	6,495,681	\$ 6,656,092		6,824,014	•	6,973,169		7,104,523		7,198,193		7,296,680	
tal Revenues										-				
Base Charges	2,039,079 \$	2,162,799			2,394,318		2,505,184			\$	2,689,603		2,776,013	
Jsage Charges	1,627,715 \$				1,702,093		1,711,623		1,711,441		1,694,635		1,677,820	
nterest Earned from Previous Year's Positive Balance	25,014 \$				29,281		30,971		32,552		33,611		34,611	
Revenues from Other Sources Besides Charges	2,618,721 \$	2,644,990	\$ 2,671,523	\$	2,698,322	\$	2,725,390	2	2,752,730	\$	2,780,344	5	2,808,235	
tal Expenses, Including Capital	6,198,053 \$	6,335,678	\$ 6,497,509		6,653,339		6,813,466		6,997,573	\$	7.097.115		7,204,110	
Pre-Existing Non-Capital Expenses (O&M, admin, etc.)	6,009,034 \$				6,509,026		6,684,770		6,865,259		7,050,621		7,240,988	
C.I.P. Projects: Additional Non-Capital Annual Expenses	(303,176) \$				(328,402)		(337,269)		(346,375)		(355,727)		(365,332)	
Pre-Existing Debt Service	242,920 \$				223,440		216,690		229,415		152,947		79,180	
C.I.P. Projects: Debt Service	249,274 \$	249,274	\$ 249,274	\$	249,274	S	249,274		249,274	5	249,274	\$	249,274	
C.I.P. Projects: Cash-Financed from Capital Reserves	- \$		\$	\$		\$	•	\$		\$		\$	-	
at Income	112,476 \$	160,003	\$ 158,583	\$	170,675	\$_	159,703	5	106,950	\$	101,078	5	92,569	
nancial Reserves - Ending Balance	2,639,117 \$	2,799,119	\$ 2,957,702	\$	3,128,377	\$	3,288,081	5	3,395,030	\$	3,496,108	5	3,588,678	
Allocated for Future C.I.P. Cash-Financed Projects	(137,252) \$	(137,252)	\$ (137,252)	\$	(137,252)	\$	(137,252)	5	(137,252)	\$	(137,252)	\$	(137,252)	
Not Allocated to Future C.I.P. Cash-Financed Projects * should exceed target set on first page: \$2,000,000	2,776,369 \$	2,936,371	\$ 3,094,955	\$	3,265,630	\$	3,425,333	\$	3,532,283	\$	3,633,361	\$	3,725,930	
As Percent of Non-Capital Expenses	49%	50%	51%	10	53%		54%		54%		54%		54%	

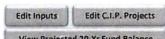
Expenses on Capital Projects Listed in this C.I.P.																		
Capital Expenses on C.I.P.'s Projects (Debt Service + Cash)	s	249,274	S	249,274	\$	249,274	S	249,274	S	249,274	\$	249,274	\$	249,274	S	249,274	5	5,605,142
Cumulative Investment in C.I.P.'s Capital Projects	S	3,860,223		4,109,497				4,608,045		4,857,320		5,106,594		5,355,868		5,605,142		4,000
Expenses on All Capital Projects, Including Pre-Existing Debt	s	492,194		475,761				472,714		465,964		478,689		402,221		328,454	2	14,227,602
Cumulative Investment in Capital Projects, Incl. Pre-Existing		10,771,220		11,246,981				12,199,069		12,665,034		13,143,723		13,545,944		13,874,398	*	
			_		_		_		_				_		_			
By Project WX21217027 - System Improvements in Taylor County	\$	FY30 111,055	_	FY31 111,055	_	FY32 111,055	_	FY33 111,055		FY34 111,055	,	FY35 111,055	_	FY36 111,055	-		\$	2,221,101
WX21087007 - US 68Tank & Water Main Upgrade	3	84,763		84,763				84,763		84,763		84,763		84,763		84,763		1,525,741
WX21087021 - Pierce Tank Improvements	2	04,703	\$	04,703			5		5		S	04,763	5	04,703		64,763	S	216,486
WX21217019 - Taylor County Water Line Extension	\$	-	5				S		S		\$		s		5	. 0	S	686,262
WX21217024 - Pine Road Water Line Extension	\$		S				S		S		S		S		s		\$	153,715
WX21087015 - Summersville 300,000 Gallon Storage Tank Project	t S	53,456	\$	53,456	Š		5	53,456	S	53,456	S	53,456	S	53,456		53,456	5	801,837
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BOGUES BANKS FY08 - FY12 PROJECTIONS

20-Year Projections

New Funds Allocated Each Year to Future Cash-Fina						
New Allocations Made for Future Cash-Financed Projects \$	- \$	- \$	- \$	- \$	- \$	

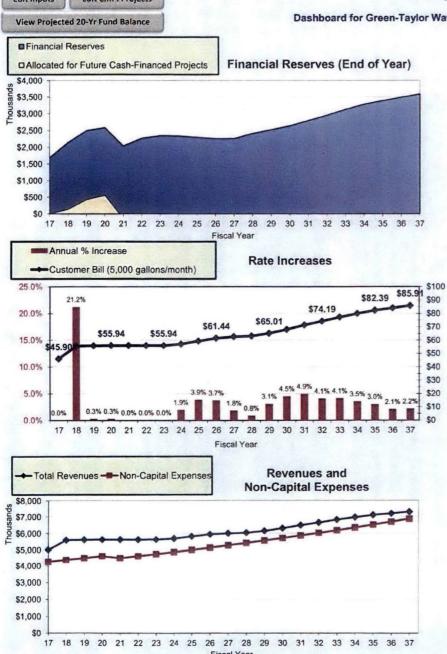
By Project	FY30		FY31		FY32	FY33		FY34	FY35	FY36	FY37		otal in next 20 years
X21217027 - System Improvements in Taylor County	\$	- \$		- \$		\$	- \$				\$	- \$	
X21087007 - US 68Tank & Water Main Upgrade	\$	- \$		- \$	-	2	- \$				\$	- \$	
X21087021 - Pierce Tank Improvements	\$	- \$		- \$		\$	- \$	- 1			\$	- \$	216,486
X21217019 - Taylor County Water Line Extension	\$	- 5		- \$	~	\$	- \$	- 1			\$	- \$	549,010
/X21217024 - Pine Road Water Line Extension /X21087015 - Summersville 300,000 Gallon Storage Tank Project	5	- 5		- \$		\$	- \$	-			\$	- 2	153,715
A2106/015 - Summersville 300,000 Gallon Storage Talik Project	•	- 3		- 3		•	- 3				9		
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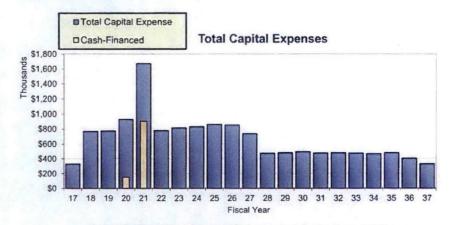


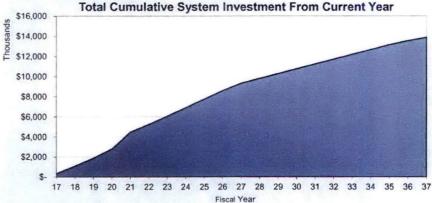
Plan to Pay: Scenarios to Fund your C.I.P.



Dashboard for Green-Taylor Water District's 20-year Water Only C.I.P. starting in FY17







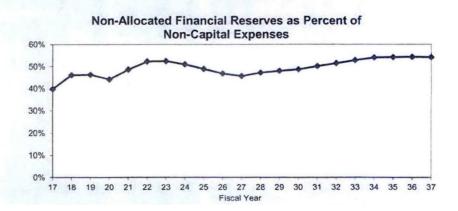


EXHIBIT A-2

FEBRUARY, 2018 CAPITAL IMPROVEMENT PLAN

Plan to Pay: Scenarios to Fund your C.I.P.

Utility Operations and Characteristics

Next: Enter C.I.P. Projects View Fund Balance

View Dashboard



Name of Utility
Green-Taylor Water District

Type of Utility
Water Only

Current Fiscal Year FY18

Only capital projects that start next year (i.e.: in FY19) for the next 20 years can be included in this Capital Improvement Plan.

Water Only Rates in FY18	N. Salah	
Input the residential water rates at 5,000 gallons/month of ccf/month). Convert to monthly rates.	of use (or 6.7
Volumetric Rate at 5,000 gallons/month (\$/1000 gallons)	\$	8.50
Monthly Base Charge ("Minimum Charge")	\$	20.40
Volume Included with the Base Charge (1,000's of gallons)		2

Apprx. Residential Bill (5,000 gallons/month): \$ 45.90

Assuming uniform rates up to 5,000 gallons/month. This number is illustrative only.

Existing Capital Reserves by End of FY18	\$	1,687,500
Target Minimum Not Allocated to Future Cash-Financed Projects*	\$	2,000,000
Average Annual Interest Earnings on Reserves (%/year)	To the	0.99%

^{*} The target minimum non-allocated balance is equivalent to 47% of this year's non-capital expenditures (enough to pay for 5.6 months of day-to-day O&M expenditures)

Expected Revenues and Expense	s in FY18	
Annual Operating and Non-operating Revenues	\$	5,000,000
Annual Non-Capital Expenditures (O&M, Admin., etc.)	\$	4,250,000
Expected Annual Inflation of Expenditures (%/year)		2.7%

Usage Billed to C	sustomers in FY18	
	Residential	Non-residential
Number of Customers	4,850	71
Total Monthly Use (1,000's of gallons)	22,500	2,000
Annual Customer Base Growth (%/year)	1.0%	1.2%
Change in Average Water Use (%/year)	-2.0%	0.0%

Average Water Use (gallons/month): 4,639 26,667

Expected Revenue from Rates in FY18: \$ 2,699,940

This model estimates rate increases needed to pay for this CIP, but <u>does not prescribe</u> rate increases. Projections are purely illustrative. A rate study is still necessary.

For example, a utility might choose to mitigate large future rate increases by spreading them out in the intervening period.

Pre-Existing Debt Service

Input annual payments for debt incurred for all projects not listed in this C.I.P. (incl. past projects)

\$ 327,633
\$ 654,860
\$ 660,442
\$ 576,540
\$ 573,837
\$ 580,530
\$ 565,155
\$ 577,950
\$ 610,085
\$ 601,770
\$ 485,120
\$ 224,945
\$ 229,210
\$ 242,920
\$ 226,487
\$ 230,100
\$ 223,440
\$ 216,690
\$ 229,415
\$ 152,947
\$ 79,180
\$ 76,765
\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$

Plan to Pay: Scenarios to Fund your C.I.P.

Utility Operations and Characteristics



Name of Utility	
Green-Taylor Water District	

Type of Utility
Water Only

10	Current Fiscal Year
	FY18

Only capital projects that start next year (i.e.: in FY19) for the next 20 years can be included in this Capital Improvement Plan.

Water Only Rates in FY18								
Input the residential water rates at 5,000 gallons/month of use (or 6.7 ccf/month). Convert to monthly rates.								
Volumetric Rate at 5,000 gallons/month (\$/1000 gallons)	\$	8.50						
Monthly Base Charge ("Minimum Charge")	\$	20.40						
Volume Included with the Base Charge (1,000's of gallons)		2						

Apprx. Residential Bill (5,000 gallons/month): \$ 45.90

Assuming uniform rates up to 5,000 gallons/month. This number is illustrative only.

Existing Capital Reserves by End of FY18	\$	1,687,500
Target Minimum Not Allocated to Future Cash-Financed Projects*	\$	2,000,000
Average Annual Interest Earnings on Reserves (%/year)	19753	0.99%

^{*} The target minimum non-allocated balance is equivalent to 47% of this year's non-capital expenditures (enough to pay for 5.6 months of day-to-day O&M expenditures)

Expected Revenues and Expenses in FY18									
Annual Operating and Non-operating Revenues	\$	5,000,000							
Annual Non-Capital Expenditures (O&M, Admin., etc.)	\$	4,250,000							
Expected Annual Inflation of Expenditures (%/year)		2.7%							

Usage Billed to C	sustomers in FY18	
	Residential	Non-residential
Number of Customers	4,850	76
Total Monthly Use (1,000's of gallons)	22,500	2,000
Annual Customer Base Growth (%/year)	1.0%	1.2%
Change in Average Water Use (%/year)	-2.0%	0.0%

Average Water Use (gallons/month):	4,639	26,667
------------------------------------	-------	--------

		the second second	
Expected Revenue	from Rates in FY18:	\$	2,699,940

This model estimates rate increases needed to pay for this CIP, but does not prescribe rate increases. Projections are purely illustrative. A rate study is still necessary.

For example, a utility might choose to mitigate large future rate increases by spreading them out in the intervening period.

Section 1		
Pre-Exis	sting De	bt Service
ncurred f	or all proje	nents for debt ects not listed in east projects)
FY18	\$	327,633
FY19	\$	654,860
FY20	\$	660,442
FY21	\$	576,540
FY22	\$	573,837
FY23	\$	580,530
FY24	\$	565,155
FY25	\$	577,950
FY26	\$	610,085
FY27	\$	601,770
FY28	\$	485,120
FY29	\$	224,945
FY30	\$	229,210
FY31	\$	242,920
FY32	\$	226,487
FY33	\$	230,100
FY34	\$	223,440
FY35	\$	216,690
FY36	\$	229,415
FY37	\$	152,947
FY38	\$	79,180
FY39	\$	76,765

Plan to Pay: Scenarios to Fund your C.I.P. 20-Year Fund Balance and Estimated Rate Increase Projections

Edit Inputs

Edit C.I.P. Projects

Next: View the Dashboard of Long-Term Trends



View-only. No edits are needed.

表现于第三元的 中国国民党党员的 第三元的 机造物电影的		FY18	FY19		FY20	FY21	FY22	FY23	FY24	FY25	FY26	FY27	FY28	FY29	FY30
Estimated Rate Changes Needed to Maintain the	Fund Ba	lance		SECTION AND PERSONS NAMED IN											
1-Year Increase (Decrease) in Rates (Base and Volumetric) Increase (Decrease) in the Monthly Bill for 5,000 Gallons Increase (Decrease) in the Monthly Base Charge		N/A N/A N/A	26.2% \$12.02 \$5.34		0.0% \$0.00 \$0.00	2.3% \$1.35 \$0.61	6.1% \$3.64 \$1.65								
Monthly Base Charge ("Minimum Charge") Volumetric Rate at 5,000 gallons/month (\$/1000 gallons) Volume Included with the Base Charge (1,000's of gallons)		\$20.40 \$8.50		\$25.74 \$10.73 2	\$25.74 \$10.73	\$25.74 \$10.73	\$25.74 \$10.73 2	\$25.74 \$10.73	\$25.74 \$10.73	\$25.74 \$10.73	\$25.74 \$10.73 2	\$25.74 \$10.73 2	\$25.74 \$10.73 2	\$26.36 \$10.97 2	\$28.0 \$11.6
Approximate Monthly Charge for 5,000 gallons (\$)		\$45.90		57.92	\$57.92	\$57.92	\$57.92	\$57.92	\$57.92	\$57.92	\$57.92	\$57.92	\$57.92	\$59.27	\$62.9
Projected Fund Balance	150.50	POST DE LA CONTRACTION DE LA C		CALLES !											
Total Revenues	\$	5,000,000	\$ 5,72	3,095 \$	5,728,729 \$	5,731,123 \$	5,728,881 \$	5,734,820 \$	5,739,635 \$	5,744,016 \$	5,747,645 \$	5,750,290 \$	5,752,308 \$	5,828,680 \$	6,031,420
Base Charges	S	1,205,640	\$ 1,53	6,708 \$	1,552,122 \$	1,567,691 \$	1,583,416 \$	1,599,298 \$	1,615,341 \$	1,631,544 \$	1,647,910 \$	1,664,440 \$	1,681,136 \$	1,738,352 \$	1,865,738
Usage Charges	\$	1,494,300	\$ 1,84	6,550 \$	1,807,592 \$	1,768,841 \$	1,730,293 \$	1,691,943 \$	1,653,789 \$	1,615,827 \$	1,578,052 \$	1,540,461 \$	1,503,050 \$	1,499,413 \$	1,549,794
Interest Earned from Previous Year's Positive Balance	N/A		\$ 1	6,706 \$	22,582 \$	24,622 \$	21,432 \$	25,826 \$	28,502 \$	30,146 \$	30,443 \$	29,160 \$	26,653 \$	23,951 \$	23,175
Revenues from Other Sources Besides Charges	\$	2,300,060	\$ 2,32	3,131 \$	2,346,433 \$	2,369,969 \$	2,393,741 \$	2,417,752 \$	2,442,004 \$	2,466,499 \$	2,491,240 \$	2,516,230 \$	2,541,470 \$	2,566,964 \$	2,592,713
Total Expenses, Including Capital	\$	4,577,633		9,565 \$	5,522,670 \$	6,053,402 \$	5,284,970 \$	5,464,601 \$	5,573,534 \$	5,713,993 \$	5,877,239 \$	6,003,575 \$	6,025,211 \$	5,907,056 \$	6,057,176
Pre-Existing Non-Capital Expenses (O&M, admin, etc.)	\$	4,250,000	\$ 4,36	4,750 \$	4,482,598 \$	4,603,628 \$	4,727,926 \$	4,855,580 \$	4,986,681 \$	5,121,321 \$	5,259,597 \$	5,401,606 \$	5,547,450 \$	5,697,231 \$	5,851,056
C.I.P. Projects: Additional Non-Capital Annual Expenses	\$	-		- \$	- \$	(240,000) \$	(244,980) \$	(251,594) \$	(258,388) \$	(265,364) \$	(272,529) \$	(279,887) \$	(287,444) \$	(295,205) \$	(303,176
Pre-Existing Debt Service	\$	327,633		4,860 \$	660,442 \$	576,540 \$	573,837 \$	580,530 \$	565,155 \$	577,950 \$	610,085 \$	601,770 \$	485,120 \$	224,945 \$	229,210
C.I.P. Projects: Debt Service	\$		\$ 10	9,955 \$	228,187 \$	228,187 \$	228,187 \$	280,085 \$	280,085 \$	280,085 \$	280,085 \$	280,085 \$	280,085 \$	280,085 \$	280,085
C.I.P. Projects: Cash-Financed from Capital Reserves	\$		S	- \$	151,443 \$	885,047 \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	E.T.
Net Income	\$	422,367	\$ 59	3,530 \$	206,060 \$	(322,280) \$	443,911 \$	270,219 \$	166,101 \$	30,023 \$	(129,594) \$	(253,284) \$	(272,903) \$	(78,376) \$	(25,756
Financial Reserves - Ending Balance	\$	1,687,500	\$ 2,28	1,030 \$	2,487,089 \$	2,164,810 \$	2,608,721 \$	2,878,940 \$	3,045,041 \$	3,075,064 \$	2,945,470 \$	2,692,186 \$	2,419,283 \$	2,340,907 \$	2,315,152
Allocated for Future C.I.P. Cash-Financed Projects	\$		\$ 28	1,030 \$	410,617 \$	(269,122) \$	(269,122) \$	(269,122) \$	(269,122) \$	(269,122) \$	(269,122) \$	(269,122) \$	(269,122) \$	(269,122) \$	(269,122
Not Allocated to Future C.I.P. Cash-Financed Projects *should exceed target set on first page: \$2,000,000	\$	1,687,500	\$ 2,00	0,000 \$	2,076,473 \$	2,433,932 \$	2,877,843 \$	3,148,062 \$	3,314,164 \$	3,344,187 \$	3,214,593 \$	2,961,309 \$	2,688,406 \$	2,610,030 \$	2,584,274
As Percent of Non-Capital Expenses		40%		46%	46%	56%	64%	68%	70%	69%	64%	58%	51%	48%	479

Expenses on Capital Projects Listed in this C.I.P. Capital Expenses on C.I.P 's Projects (Debt Service + Cash)	100	400 OFF A	070.000	4 440 004 0	200 407 6	200 005 6	200 005 4	200 005 6	200 005 6	200 005 6	200 005 6	200 005 0	280.0
	N/A S	109,955 \$	379,630 \$	1,113,234 \$	228,187 \$	280,085 \$	280,085 \$	280,085 \$	280,085 \$	280,085 \$	280,085 \$	280,085 \$	
Cumulative Investment in C.I.P.'s Capital Projects		109,955 \$	489,585 \$	1,602,819 \$	1,831,006 \$	2,111,091 \$	2,391,176 \$	2,671,262 \$	2,951,347 \$ 890,170 \$	3,231,432 \$ 881,855 \$	3,511,518 \$ 765,205 \$	3,791,603 \$	4,071,6
expenses on All Capital Projects, Including Pre-Existing Debt Sumulative Investment in Capital Projects, Incl. Pre-Existing	327,633 \$	764,815 \$	1,040,072 \$	1,689,774 \$	802,024 \$	860,615 \$	845,240 \$	858,035 \$				505,030 \$	509,2
Cumulative Investment in Capital Projects, Incl. Pre-Existing \$	327,633 \$	1,092,448 \$	2,132,520 \$	3,822,294 \$	4,624,318 \$	5,484,933 \$	6,330,173 \$	7,188,209 \$	8,078,379 \$	8,960,234 \$	9,725,440 \$	10,230,470 \$	10,739,76
By Project	FY18	FY19	FY20	FY21	FY22	FY23	FY24	FY25	FY26	FY27	FY28	FY29	FY30
VX21217027 - System Improvements in Taylor County	\$	109,955 \$	109,955 \$	109,955 \$	109,955 \$	109,955 \$	109,955 \$	109,955 \$	109,955 \$	109,955 \$	109,955 \$	109,955 \$	109,9
VX21087007 - US 68Tank & Water Main Upgrade	\$	- \$	83,511 \$	83,511 \$	83,511 \$	83,511 \$	83,511 \$	83,511 \$	83,511 \$	83,511 \$	83,511 \$	83,511 \$	83,5
VX21087021 - Pierce Tank Improvements	\$	- \$	- \$	212,242 \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	
VX21217019 - Taylor County Water Line Extension VX21217024 - Pine Road Water Line Extension	3	- \$	151,443 \$	672,806 \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	
VX21087015 - Summersville 300,000 Gallon Storage Tank Project	,	. \$	151,445 \$	- 5	. \$	51.899 \$	51,899 \$	51.899 \$	51.899 S	51.899 \$	51,899 \$	51.899 \$	51.8
VX21087013 - Summersville 300,000 Gallon Storage Tank Project VX21087022 - Distribution Upgrades	Š	- \$	34,720 \$	34,720 \$	34,720 \$	34,720 \$	34,720 \$	34,720 \$	34,720 \$	34,720 \$	34,720 \$	34,720 \$	34,7
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	N/A													
by Project	FY18	20	FY19	FY20	FY21	FY22	FY23	FY24	FY25	FY26	FY27	FY28	FY29	FY30
X21217027 - System Improvements in Taylor County		\$	- \$	- \$								- \$	- \$	
X21087007 - US 68Tank & Water Main Upgrade		\$	- \$	- \$	- \$							- \$	- \$	
X21087021 - Pierce Tank Improvements		\$	70,747 \$	70,747 \$	70,747 \$							- \$	- \$	
X21217019 - Taylor County Water Line Extension		\$	134,561 \$	134,561 \$	134,561 \$	- \$						- \$	- \$	
X21217024 - Pine Road Water Line Extension		\$	75,722 \$	75,722 \$	- \$							- \$	- \$	
(21087015 - Summersville 300,000 Gallon Storage Tank Project		\$	- \$	- \$. \$	- \$						- \$	- \$	
K21087022 - Distribution Upgrades		3	- \$	- \$	- \$	OF MALE STOLES		The second secon	Control of the Contro			. \$	- \$	
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BOGUES BANKS FY08 - FY12 PROJECTIONS

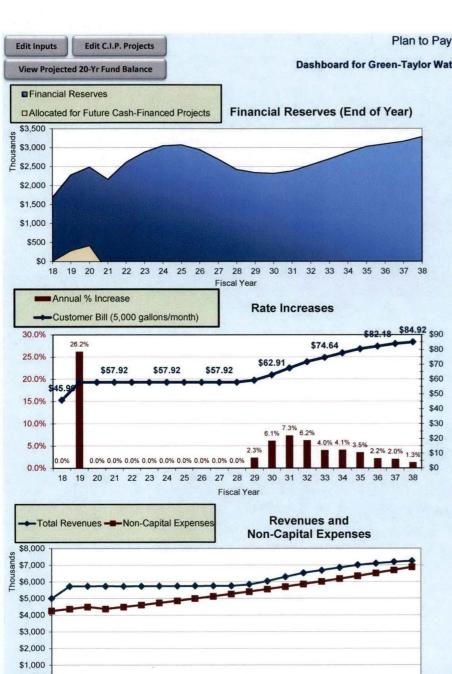
Plan to Pay: Sca 20-Year Fund Balance and

View-only. No edits are needed.

Market Company of the Company of th	FY31		FY32	FY33		FY34		FY35		FY36	legis!	FY37		FY38	Total
Estimated Rate Changes Needed to Maintain the F	<u></u>														
-Year Increase (Decrease) in Rates (Base and Volumetric)	7.3%		6.2%	4.0%		4.1%		3.5%		2.2%		2.0%		1.3%	
ncrease (Decrease) in the Monthly Bill for 5,000 Gallons	\$4.61		\$4.21	\$2.90		\$3.06		\$2.73		\$1.75		\$1.68		\$1.07	
ncrease (Decrease) in the Monthly Base Charge	\$2.09		\$1.91	\$1.32		\$1.39		\$1.24		\$0.79		\$0.76		\$0.49	
Nonthly Base Charge ("Minimum Charge")		0.10	\$32.01			\$34.72		\$35.96		\$36.75		\$37.52		\$38.00	
olumetric Rate at 5,000 gallons/month (\$/1000 gallons)	\$1	2.48	\$13.24			\$14.33		\$14.82		\$15.14		\$15.45		\$15.64	
olume Included with the Base Charge (1,000's of gallons)		2	2		2	2		2		2		2		2	
pproximate Monthly Charge for 5,000 gallons (\$)	\$6	7.53	\$71.74	\$74	.64	\$77.70		\$80.43		\$82.18		\$83.85		\$84.92	
Projected Fund Balance															
otal Revenues	\$ 6,285	758 \$	6,516,999	\$ 6,677,1	35 \$	6,844,774	\$	6,993,640	\$	7,089,928	5	7,181,406	\$	7,240,797	
Base Charges	\$ 2,025	310 \$	2.175.507	\$ 2.287.7	63 \$	2,407,170	S	2,518,099	S	2,599,542	\$	2,680,105	S	2,741,999	
Usage Charges		806 \$	1,672,937			1,712,586		1.721.776		1,707,713		1,690,312		1.659.293	
Interest Earned from Previous Year's Positive Balance		920 \$	23,564		38 \$	26,696		28.374		29,943		30,645		31,270	
Revenues from Other Sources Besides Charges		721 \$	2,644,990			2,698,322		2,725,390		2,752,730		2,780,344		2,808,235	
otal Expenses, Including Capital	\$ 6,220	679 \$	6,358,083	\$ 6,519,6	87 S	6,675,283	s	6.835.171	s	7,019,032	5	7,118,322	\$	7.115.102	
Pre-Existing Non-Capital Expenses (O&M, admin, etc.)		034 \$	6,171,278			6,509,026		6,684,770	S	6.865.259	S	7.050.621	S	7.240.988	
C.I.P. Projects: Additional Non-Capital Annual Expenses	\$ (311	361) \$	(319,768)	\$ (328,4	02) \$	(337,269)	\$	(346,375)	\$	(355,727)	\$	(365,332)	\$	(375, 196)	
Pre-Existing Debt Service	\$ 242	920 \$	226,487		00 \$	223,440	\$	216,690	5	229,415	S	152,947	\$	79,180	
C.I.P. Projects: Debt Service	\$ 280	085 \$	280,085	\$ 280.0	85 \$	280,085	\$	280,085	5	280,085	\$	280,085	\$	170,130	
C.I.P. Projects: Cash-Financed from Capital Reserves	S	- \$		Contract of the second	- \$		\$		\$	9.0	\$		\$		
Net Income	\$ 65	080 \$	158,917	\$ 157,4	49 \$	169,491	\$	158,469	s	70,896	\$	63,084	\$	125,695	
inancial Reserves - Ending Balance	\$ 2,380	231 \$	2,539,148	\$ 2,696,5	97 \$	2,866,088	\$	3,024,557	\$	3,095,453	\$	3,158,537	\$	3,284,232	
Allocated for Future C.I.P. Cash-Financed Projects	\$ (269)	122) \$	(269, 122)	\$ (269,1	22) \$	(269, 122)	\$	(269, 122)	\$	(269, 122)	\$	(269, 122)	\$	(269, 122)	
Not Allocated to Future C.I.P. Cash-Financed Projects *should exceed target set on first page: \$2,000,000		354 \$	2,808,270			3,135,210		3,293,679		3,364,575		3,427,659		3,553,354	
As Percent of Non-Capital Expenses		46%	48%		9%	51%		52%		52%		51%		52%	

Expenses on Capital Projects Listed in this C.I.P. Capital Expenses on CI.P's Projects (Deth Service + Cash) \$ Cumulative Investment in C.I.P's Capital Projects Expenses on All Capital Projects, Including Pre-Existing Debt Cumulative Investment in Capital Projects, Incl. Pre-Existing \$	280,085 4,351,774 523,005 11,262,771	\$ 4,631,859 \$ 506,572	\$ 4,911,945 \$ 510,185	\$ 5,192,030 \$ 503,525	\$ 5,472,116 \$ 496,775	5 \$ 5,752,20 5 \$ 509,50	01 \$ 6,00 \$	280,085 \$ 032,286 \$ 433,032 \$ 222,362 \$	170,130 6,202,416 249,310 14,471,672	
By Project	FY31	FY32	FY33	FY34	FY35	FY36	FY3	7	FY38	Total in next 20 years
WX21217027 - System Improvements in Taylor County \$	109,955							109,955 \$		\$ 2,089,15
WX21087007 - US 68Tank & Water Main Upgrade \$	83,511							83,511 \$	83,511	
WX21087021 - Pierce Tank Improvements \$		\$					- \$	- \$		
WX21217019 - Taylor County Water Line Extension \$		\$ -	\$	\$			- \$	- \$		
WX21217024 - Pine Road Water Line Extension \$ WX21087015 - Summersville 300,000 Gallon Storage Tank Project \$	51.899	\$ 51,899			\$ 51,89			51.899 \$	51,899	
WX21087022 - Distribution Upgrades \$	34,720						20 \$	34,720 \$	34,720	
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New Funds Allocated Each Year to Future Cash-Fina New Allocations Made for Future Cash-Financed Projects \$		- \$		- \$		- \$		- \$		- \$		- \$. s		- \$	767,368
By Project	FY31		FY32	200	FY33		FY34		FY35		FY36		FY37		FY38	Total in ne	ext 20 years
WX21217027 - System Improvements in Taylor County \$	HE.	- \$		- \$	TELEVILLE B	- \$	U. T. Land	- \$	-1-0-6	- \$	W. J. T.	- 5		- \$	5,575 X X	- \$	Marin Town
WX21087007 - US 68Tank & Water Main Upgrade \$		- \$		- \$		- \$		- \$		- \$. 5		- \$		- \$	
WX21087021 - Pierce Tank Improvements \$		- \$		- \$		- \$		- \$		- \$		- 5		- \$		- \$	212,242
WX21217019 - Taylor County Water Line Extension \$		- \$		- \$		- \$		- \$		- \$		- 5		- \$		- \$	403,684
WX21217024 - Pine Road Water Line Extension \$		- \$		- \$		- \$		- \$		- \$		- 5		- \$		- \$	151,44
WX21087015 - Summersville 300,000 Gallon Storage Tank Project \$		- \$		- \$		- \$		- \$		- \$		- \$		- \$		- \$	
WX21087022 - Distribution Upgrades \$		- \$		- \$		- \$		- \$		- \$		- 5		- \$		- \$	
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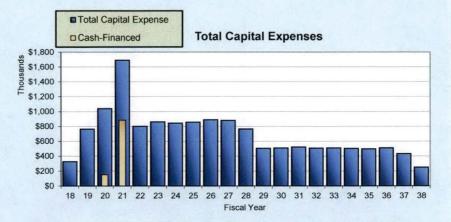


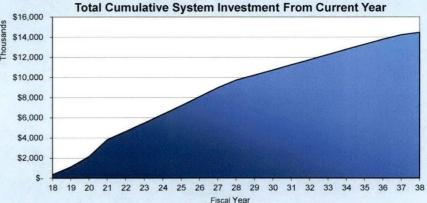
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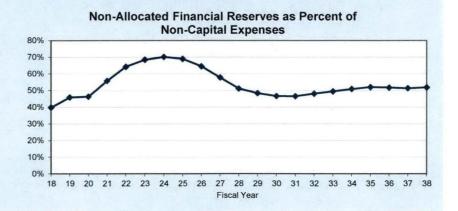




Dashboard for Green-Taylor Water District's 20-year Water Only C.I.P. starting in FY18



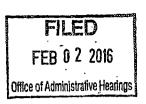




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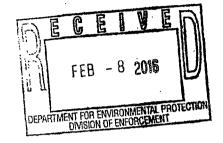
DOW 150193

COMMONWEALTH OF KENTUCKY ENERGY AND ENVIRONMENT CABINET DIVISION OF ENFORCEMENT CASE NO. DOW 150193



IN RE:

Green Taylor Water District 250 Industrial Park Road Greensburg, KY 42473 AI No. 33895 Activity ID No. ERF20150001



AGREED ORDER

WHEREAS, the parties to this Agreed Order, the Energy and Environment Cabinet (hereinafter "Cabinet") and the Green Taylor Water District (hereinafter "GTWD") state:

STATEMENTS OF FACT

- 1. The Cabinet is charged with the statutory duty of enforcing KRS Chapter 224 and the regulations promulgated pursuant thereto.
- 2. GTWD is a surface water purchaser that operates a public drinking water system (hereinafter "facility"), located at 250 Industrial Park Road, Greensburg, Green County, Kentucky.
- 3. GTWD holds Public Water System Identification (hereinafter "PWSID") number KY0440167, registered with the Cabinet's Division of Water, for the facility described in paragraph 2.
- 4. On or about September 23, 2014, authorized representatives of the Cabinet conducted a review of GTWD's records for the facility described in paragraph 2, and identified a violation of KRS Chapter 224 and the regulations promulgated pursuant thereto. On October 30, 2014, the Cabinet issued GTWD a Notice of Violation for the following violation:

- a) 401 KAR 8:075 Section 2: GTWD failed to prepare and submit to the Department for Environmental Protection a Certification of the distribution of the report that conforms to the requirements of 401 KAR 8:075 for the calendar year. GTWD did not submit proof of notification for the eCCR that notifies customers of the URL to access the report. The lead 90th percentile was not reported in parts per billion.
- 5. On or about November 5 & 6, 2014, authorized representatives of the Cabinet conducted a review of GTWD's records for the facility described in paragraph 2, and identified violations of KRS Chapter 224 and the regulations promulgated pursuant thereto. On November 20, 2014, the Cabinet issued GTWD four (4) Notices of Violation for the following violations:
 - a) 401 KAR 8:510: TTHM GTWD exceeded the maximum contaminant level (hereinafter "MCL") for locational running annual average (hereinafter "LRAA") of samples for the specific contaminant in the compliance period 7/1/2014 9/30/2014.
 - b) 401 KAR 8:510: HAA5 GTWD exceeded the MCL for LRAA of samples for the specific contaminant in the compliance period 7/1/2014 9/30/2014.
 - c) 401 KAR 8:510 Section 1(1): TTHM GTWD failed to submit the operational evaluation level (hereinafter "OEL") report for the compliance period 7/1/2014 9/30/2014.
 - d) 401 KAR 8:510 Section 1(1): HAA5 GTWD failed to submit the OEL report for the compliance period 7/1/2014 9/30/2014.
- 6. On or about February 5, 2015, authorized representatives of the Cabinet conducted a review of GTWD's records for the facility described in paragraph 2, and identified violations of KRS Chapter 224 and the regulations promulgated pursuant thereto. On March 1,

2015, the Cabinet issued GTWD two (2) Notices of Violation for the following violation:

- a) 401 KAR 8:510: HAA5 GTWD exceeded the MCL for LRAA of samples for the specific contaminant for the compliance period 10/1/2014 12/31/2014.
- b) 401 KAR 8:510: TTHM GTWD exceeded the MCL for LRAA of samples for the specific contaminant for the compliance period 10/1/2014 12/31/2014.
- 7. On or about May 11, 2015, authorized representatives of the Cabinet conducted a review of GTWD's records for the facility described in paragraph 2, and identified violations of KRS Chapter 224 and the regulations promulgated pursuant thereto. On May 29, 2015, the Cabinet issued GTWD two (2) Notices of Violation for the following violations:
 - a) 401 KAR 8:510: TTHM GTWD exceeded the MCL for LRAA of samples for the specific contaminant for the compliance period 1/1/2015 3/31/2015.
 - b) 401 KAR 8:510: HAA5 GTWD exceeded the MCL for LRAA of samples for the specific contaminant for the compliance period 1/1/2015 3/31/2015.
- 8. On or about August 6, 2015, authorized representatives of the Cabinet conducted a review of GTWD's records for the facility described in paragraph 2, and identified a violation of KRS Chapter 224 and the regulations promulgated pursuant thereto. On August 28, 2015, the Cabinet issued GTWD a Notice of Violation for the following violation:
 - a) 401 KAR 8:510: HAA5 GTWD exceeded the MCL for LRAA of samples for the specific contaminant for the compliance period 4/1/2015 6/30/2015.
- 9. Representatives of GTWD attended an administrative conference at the Cabinet's Division of Enforcement (hereinafter "DENF") in Frankfort, Kentucky on July 20, 2015. GTWD admitted to the violations listed above, and agreed to the entry of this Agreed Order to resolve the violations.

NOW THEREFORE, in the interest of settling all civil claims and controversies involving the violation described above, the parties hereby consent to the entry of this Agreed Order and agree as follows:

REMEDIAL MEASURES

- 10. GTWD shall perform the following remedial measures by the dates specified herein:
 - a) Determine if Disinfection By-Products (hereinafter "DBP's") are being formed in the distribution system or if DBP's are elevated at the master meter by monitoring DBP levels at the master meter as well as various sample sites throughout the distribution system. The data collected from DBP monitoring shall be submitted to the Cabinet within thirty (30) days of execution of this Agreed Order. GTWD shall continue to conduct DBP monitoring at the plant tap and/or master meter during quarterly compliance monitoring, and submit the results as "special samples", for the duration of this Agreed Order;
 - Within thirty (30) days of execution of this Agreed Order, develop and submit a Corrective Action Plan (hereinafter "CAP") to the Cabinet for review and acceptance. The CAP shall be based on the data submitted in paragraph 10a above. The CAP shall outline the steps GTWD will take to return to and maintain compliance with DBP parameters, and shall include implementation dates for the corrective actions to be taken, and a date by which the facility will have been in compliance with DBP parameters for four (4) consecutive quarters. The CAP may be developed using the following guidelines (these guidelines are not exclusive but are offered to assist in the development of the CAP):

- If DBP's are formed in the distribution system, evaluate tank operations and system hydraulics to decrease water age;
- 2.) If DBPs are formed in the distribution system, evaluate the system's flushing plan;
- 3.) If distribution system booster chlorination is practiced, determine if it contributes to elevated DBPs and whether the dosage is optimal;
- 4.) If purchased water contributes to elevated DBPs, determine if the non-compliance is related to the producer by monitoring at the master meter or to practices within the out-of-compliance distribution system;
- 5.) If elevated DBPs are related to a producer, consider coordinating a flushing program with said producer and/or update the purchasing contract that will address remedial measures needed to be taken by producer to allow purchaser to get back into compliance; and
- 6.) Consider the benefits of receiving Targeted Technical Assistance or a DBP Performance Based Training or a system hydraulic analysis.
- c) If at any time either party determines it is necessary to amend the CAP in order to meet the goals or deadlines of the Agreed Order, the following will occur:
 - 1.) If the Cabinet requests an amendment of the CAP, DENF shall notify GTWD in writing that an amendment is necessary and will outline the reasons for the request. The Cabinet shall give GTWD thirty (30) days to amend their CAP and resubmit the CAP to DENF. Upon resubmittal, the Cabinet may, in whole or in part, (1) approve, (2) disapprove, or (3) provide comments to GTWD identifying the deficiencies. Upon such resubmittal, if any part of the CAP is

- disapproved, the Cabinet may deem GTWD to be out of compliance with this Agreed Order for failure to timely submit a CAP and may assess stipulated penalties pursuant to this Agreed Order; and
- 2.) If GTWD requests an amendment of the CAP, it shall notify the Cabinet in writing that an amendment request is forthcoming and shall outline the reasons why the amendment is necessary. GTWD shall then submit a draft amended CAP within thirty (30) days to the Cabinet. Upon review, the Cabinet may, in whole or in part, (1) approve, (2) disapprove, or (3) provide comments to GTWD identifying the deficiencies. Upon resubmittal, if any part of the CAP is disapproved, the Cabinet may deem GTWD to be out of compliance with this Agreed Order for failure to timely submit a CAP and may assess stipulated penalties pursuant to this Agreed Order.
- d) Until GTWD has demonstrated compliance for four (4) consecutive quarters, submit Quarterly Progress Reports to the Cabinet. The Quarterly Progress Reports shall include flushing program documentation, calculations of tank turnover levels, plant tap and/or master meter DBP monitoring data, and an update on the completion of corrective actions outlined in the CAP. The quarterly updates shall be submitted by the 15th day of the first month of each quarter;
- e) Commencing immediately and at all times, properly fill out and submit Consumer Confidence Reports (hereinafter "CCR") with CCR Certification to the Division of Water "hereinafter "DOW") by July 1st annually, in compliance with 401 KAR 8:075;

- f) Commencing immediately, if GTWD exceeds the OEL, GTWD must submit the OEL report within ninety (90) days of the end of the quarter when the exceedance occurred;
- g) Develop and maintain a scheduled flushing program, consecutive to wholesalers' flushing programs, in accordance with 401 KAR 8:020 Section 2(13). The plan shall be submitted to DENF within thirty (30) days of execution of this Agreed Order, for DOW review and approval;
- h) GTWD shall complete all of the corrective actions outlined in the CAP by the dates specified therein;
- i) GTWD shall demonstrate compliance with DBP parameters for four (4) consecutive quarters by the date specified in the CAP or Amended CAP that has been approved by the Cabinet; and
- j) All submittals required by the terms of the Agreed Order shall be submitted to:

Division of Enforcement Attention: Director 300 Fair Oaks Lane Frankfort, KY 40601

STIPULATED PENALTIES

- 11. GTWD shall pay the Cabinet a stipulated penalty in the amount of five hundred dollars (\$500) within thirty (30) days of receipt of written notice from the Cabinet, for each failure to comply with any remedial measure in paragraph 10 above. This penalty is addition to, and not in lieu of, any other penalty that could be assessed. The stipulated penalty will be waived upon termination of this Agreed Order, if GTWD has complied with the requirements of paragraph 10.
 - 12. If GTWD believes request for payment of the stipulated penalty is erroneous or

contrary to law, GTWD may request a hearing in accordance with KRS 224.10-420(2). The request for hearing does not excuse timely payment of the penalty. If an order is entered pursuant to KRS 224.10-440 that excuses payment, the Cabinet will refund the payment. Failure to make timely payment shall constitute an additional violation.

13. Payment of the stipulated penalty(s) shall be by cashier's check, certified check, or money order, made payable to "Kentucky State Treasurer" and sent to the attention of the Director, Division of Enforcement, Department for Environmental Protection, 300 Fair Oaks Lane, Frankfort, Kentucky 40601; note "Case Number DOW 150193" on the instrument of payment.

MISCELLANEOUS PROVISIONS

- 14. This Agreed Order addresses only the violations specifically mentioned above. Other than those matters resolved by entry of this Agreed Order nothing contained herein shall be construed to waive or to limit any remedy or cause of action by the Cabinet based on statutes or regulations under its jurisdiction and GTWD reserves its defenses thereto. The Cabinet expressly reserves its right at any time to issue administrative orders and to take any other action it deems necessary that is not inconsistent with this Agreed Order, including the right to order all necessary remedial measures, assess penalties for violations, or recover all response costs incurred, and GTWD reserves its defenses thereto.
- 15. This Agreed Order shall not prevent the Cabinet from issuing, reissuing, renewing, modifying, revoking, suspending, denying, terminating, or reopening any permit to GTWD. GTWD reserves its defenses thereto, except that GTWD shall not use this Agreed Order as a defense.
 - 16. GTWD waives its right to any hearing on the matters admitted herein. However,

failure by GTWD to comply strictly with any or all of the terms of this Agreed Order shall be grounds for the Cabinet to seek enforcement of this Agreed Order in Franklin Circuit Court and to pursue any other appropriate administrative or judicial action under KRS Chapter 224, and the regulations promulgated pursuant thereto.

- 17. The Agreed Order may not be amended except by a written order of the Cabinet's Secretary or his designee. GTWD may request an amendment by writing the Director of the Division of Enforcement at 300 Fair Oaks Lane, Frankfort, Kentucky 40601 and stating the reasons for the request. If granted, the amended Agreed Order shall not affect any provision of this Agreed Order unless expressly provided in the amended Agreed Order.
- 18. The Cabinet does not, by its consent to the entry of this Agreed Order, warrant or aver in any manner that GTWD's complete compliance with this Agreed Order will result in compliance with the provisions of KRS Chapter 224, and the regulations promulgated pursuant thereto. Notwithstanding the Cabinet's review and approval of any plans formulated pursuant to this Agreed Order, GTWD shall remain solely responsible for compliance with the terms of KRS Chapter 224, and the regulations promulgated pursuant thereto, this Agreed Order and any permit and compliance schedule requirements.
- 19. GTWD shall give notice of this Agreed Order to any purchaser, lessee or successor in interest prior to the transfer of ownership and/or operation of any part of its now-existing facility occurring prior to termination of this Agreed Order, shall notify the Cabinet that such notice has been given, and shall follow all statutory and regulatory requirements for a transfer. Whether or not a transfer takes place, GTWD shall remain fully responsible for payment of all civil penalties and response costs and for performance of all remedial measures identified in this Agreed Order.

- 20. The Cabinet agrees to allow the performance of the above-listed remedial measures and payment of civil penalties by GTWD to satisfy GTWD's obligations to the Cabinet generated by the violations described above.
- 21. The Cabinet and GTWD agree that the remedial measures agreed to herein are facility-specific and designed to comply with the statutes and regulations cited herein. This Agreed Order applies specifically and exclusively to the unique facility referenced herein and is inapplicable to any other facility.
- 22. Compliance with this Agreed Order is not conditional on the receipt of any federal, state, or local funds.
- 23. This Agreed Order shall be of no force and effect unless and until it is entered by the Secretary or his designee as evidenced by his signature thereon. If this Agreed Order contains any date by which GTWD is to take any action or cease any activity, and the Secretary enters the Agreed Order after that date, then GTWD is nonetheless obligated to have taken the action or ceased the activity by the date contained in this Agreed Order.

TERMINATION

24. This Agreed Order shall terminate once GTWD has complied with all of the requirements described in this Agreed Order and maintained compliance with DBP parameters and 401 KAR Chapter 8, for four (4) consecutive quarters. GTWD may submit a written request for termination to the Cabinet when it believes all requirements have been performed. The Cabinet will notify GTWD in writing of whether it intends to agree with or object to termination. The Cabinet reserves its right to enforce this Agreed Order, and GTWD reserves its right to file a petition for hearing pursuant to KRS 224.10-420(2) contesting the Cabinet's determination.

CASE NO. DOW 150193

APPROVAL RECOMMENDED BY:

Jeffrey A. Cummins, Director Division of Enforcement Date

John G. Horne, II, Executive Director

Office of General Counsel

Date

CASE NO. DOW 150193

ORDER

Wherefore, the foregoing Agreed Order is entered as the final Order of the Energy and Environment Cabinet this 2^{nl} day of February, 2016.

ENERGY AND ENVIRONMENT CABINET

Charles G. SNAVELY, SECRETARY