

2019 Budget Criteria - Approved November 20, 2018

REVENUE:

- User fees increase 4.9% as recommended by the draft URS 2017 Update. This increases the base service fee of \$24.70 to \$25.90 and the usage charge from \$7.25 to \$7.60. When using 5,000 gallons a month this is a monthly increase of \$2.95 or \$35.40 annually.
- A \$2 increase of the pressurized system surcharge is recommended for Rates B, E & F. Rate B would increase from \$15.95 to \$17.95 per month, Rate E from \$18.15 to \$20.15 and Rate F from 19.95 to \$21.95. This increase is mainly due to an increase in pump prices.

The following table is a breakdown of 2019 user rates:

RATE	Rate Description	Base Service Fee	Pressure System Surcharge	TOTAL BSF + Sur-Charge	Water Usage Charge	Usage Charge for 5000 gallons	Total monthly avg. per rate
A	Gravity System	\$25.90	0	\$25.90	\$7.60 per 1,000	\$38.00	\$63.90
B	Septic Tank Effluent Pump (STEP) System where the septic tank is within 50' P102 Pump	\$25.90	\$17.95	\$43.85	\$7.60 per 1,000	\$38.00	\$81.85
C	Private STEP System	\$25.90	0	\$25.90	\$7.60 per 1,000	\$38.00	\$63.90
D	Small Diameter Variable Grade (SDVG)	\$25.90	\$8.70	\$34.60	\$7.60 per 1,000	\$38.00	\$72.60
E	STEP System where the septic tank >50 and <150 Orenco Pump	\$25.90	\$20.15	\$46.05	\$7.60 per 1,000	\$38.00	\$84.05
F	Grinder Pump System	\$25.90	\$21.95	\$47.85	\$7.60 per 1,000	\$38.00	\$85.85
G	Private Grinder Pump System	\$25.90	0	\$25.90	\$7.60 per 1,000	\$38.00	\$63.90

- This budget assumes 1% increase in customers. Customer growth in 2018 is approximately 0.6%.

EXPENSES:

PERSONNEL

- Staff recommends adopting Boone County pay ranges.
- The personnel budget includes hiring an Assistant Manager of Finance and Administration. The salary plus benefits cost to add this position beginning in April 2019 would be approximately \$57,085, assuming a starting hourly rate of \$28.88 per hour (midrange of wage scale).
- Staff plans to fill the Equipment Operator vacancy beginning in April 2019. This plus the retirement of the Operations Manager in June lowers personnel expenses. This is most apparent in the budget for retirement expense as new employees are not eligible until they have completed a year of employment.
- Merit pool of 4.5% is proposed at a cost of approximately \$34,465. The CPI for all items, all urban consumers, seasonally adjusted is 2.5%.
- The cost per percentage point is approximately \$7,660 in hourly pay rates or \$8,500 with social security, workers comp, retirement and medical benefits added.
- The personnel budget includes funds for possible promotions as the Operations Manager Position becomes vacant midway through the year and to cover other possible promotions.

- Insurance increases include a 5% increase in health insurance (\$447.40/month), 0% in dental, 4.9% in life insurance (\$6/month), and 4.4% for long term disability (\$11/month). Cost will also increase as employees move into different age brackets and as income levels increase.
- Average cost of benefits per hour per employee assuming 4.5% merit and changes in personnel compared to this year:

Benefit	2018 Avg p/emp p/hour	2019 Avg p/emp p/hour
FICA	2.83	2.86
Workers Comp.	0.56	0.64
Health Insurance	4.26	4.89
Dental Insurance	0.28	0.30
Life Insurance	0.07	0.08
Long-term Disability	0.12	0.14
Retirement	2.56	2.44
Total	10.68	11.35

OPERATIONS

- Wholesale treatment - City sewer rates increased 1% on October 1, 2018. At this time no rate increase is planned for October 1, 2019. These are lower rates than proposed last year.
- Wholesale treatment expense increases as Lee Heights and Oberlin Valley are connected.

CONTRACTUAL SERVICES

- Engineering includes \$10,000 for miscellaneous needs
- Financial consulting \$10,000 for miscellaneous needs
- Mapping/GIS Phase 3: \$40,600
- An Arc Flash Hazard Assessment is budgeted at \$25,000. This assessment will identify the safety precautions that should be followed at every individual plant and pump station as determined by the electrical controls and size and power of pump motors, etc.

MISCELLANEOUS

- Headquarters budget includes a contingency fund of \$18,500 to cover unforeseen repairs or replacement
- A general contingency fund of \$50,000 is included in this budget

OTHER EXPENSE

- Loss on Assets includes the cost to close Lee Height's lagoon and Oberlin Valley WWTP.

DEBT SERVICE:

- Bond closing planned for 2019 to fund Lee Heights Interceptor and Oberlin Valley Interceptor in the amount of \$1,304,709
- Bond issuance expense increases as a result of the bond closing
- Last payment on 1998B SRF Loan that improved the Clearview WWTP will be for administration fees in January 2019. The loan payment in 2018 was \$35,000 principal and \$1,750 interest.

CAPITAL ADDITIONS: (paid for out of cash)

Capital Additions are detailed on the Capital Adds & Improvements Sheet. Most of the items are carry overs from 2018. A couple of items of note include:

- Staff proposes researching the option of lease purchasing large and specialized vehicles and equipment beginning with a new dump truck. The current cash picture supports this approach to high dollar items such as the dump truck, sewer jet, crane truck and TV inspection trailer as they come up for replacement.
- The purchase of sludge disposal equipment is included at a cost of \$46,200. Operations would like to explore alternative options of disposing sludge and cut down on the expense with City of Columbia budgeted at \$60,000 in FY 2019.
- Wiring replacement for 68 Hill Creek grinder pumps is budgeted at \$1,000 each.
- Collection System rehab was lowered to \$32,000. This plus the \$68,000 budgeted for Hill Creek equals the \$100,000 included in the budget the last few years.

CASH FLOW

Staff believes the District’s cash picture is healthy even as total cash has decreased over the last few years. The decrease in cash is due to many factors. Some include:

- Slow customer growth has decreased the amount of revenues transferred to savings each year.
- The expenditure of cash on existing facilities such as the UV system at Twin Lakes, the new crane at Rocky Fork, and the ongoing project to improve Rocheport WWTP. Previous to these projects the District typically funded projects through loans rather than cash.
- Budgeting for an annual cured in place pipe program began in 2016.
- Cash invested in future capital projects - currently the District has approximately \$830,000 invested in design and easement acquisition. The following table identifies what has been spent per project to date. (This does not include the balance yet to be spent on existing contracts.)

CIP Design Expense	
Lee Heights/Oberlin Valley	296,348
Rollingwood, Brown Station, Richardson Acres	165,445
Highfield Acres Interceptor	60,930
Cedar Gate Interceptor	31,613
Quarter Miles Hills Interceptor	38,016
South Rte. K WWTP Improvements	151,237
Sunny Slope Sewer	21,765
Trails West Interceptor	11,650
	<hr/> 777,004
 NID Design Expense	
Bollie Road NID	19,136
Phenora North NID	38,574
	<hr/> 57,710
	<hr/> 834,714 <hr/>

The District will be reimbursed at the time of loan closings on the particular projects. Since 1998, the District has averaged a loan closing every two years. The last loan closing was in 2015. The next is scheduled for 2019. The District has continued to invest in design and easement acquisition over these years, thereby spending down surplus cash. Identifying expenditures that will be reimbursed in the future is relevant when considering cash balances.

2019 Operating Budget

	Actual Jan - Dec 17	Actual Jan - Sept 18	Projected Year End 2018	2018 Budget	2019 Budget	
Ordinary Income/Expense						
Income						
401000 · Customer Fees	4,592,287	3,401,322	4,526,745	4,536,011	4,769,799	
415000 · Interest Income	118,754	100,501	114,701	97,136	98,160	
498000 · Miscellaneous Income	17,420	847	847	9,000	0	
Total Income	4,728,461	3,502,671	4,642,293	4,642,147	4,867,959	5%
Expense						
501000 · Personnel Expenses	1,070,686	801,976	1,100,334	1,140,515	1,173,429	
520000 · Materials & Supplies	6,404	3,321	4,428	7,000	5,600	
530000 · Bond Issuance Expense	184,264	101,415	101,515	126,704	119,035	
540000 · Dues, Training, Seminars	5,746	12,247	13,315	21,200	20,500	
545000 · Utilities	187,041	140,198	184,070	188,660	188,605	
550000 · Equipment Expenses	62,528	47,593	63,464	61,855	63,700	
550700 · Systems Repairs and Maintenance	239,745	183,582	250,109	251,310	289,200	
551000 · Wholesale Treatment	953,509	747,592	1,011,742	1,024,097	1,017,100	
552000 · Headquarters Repair & Maint	10,510	4,817	11,923	18,500	18,500	
560000 · Contractual Services	244,808	207,783	261,915	322,000	313,000	
565000 · Miscellaneous	22,239	12,155	15,932	71,050	67,700	
566000 · Bad Debt Write Off	20,264	0	22,000	28,000	28,000	
580000 · Depreciation	1,178,119	925,787	1,234,383	1,263,834	1,256,248	
585000 · Interest Expense	360,652	206,235	348,654	350,277	316,321	
Total Expense	4,546,514	3,394,703	4,623,783	4,875,002	4,876,939	0%
Net Ordinary Income	181,947	107,968	18,510	(232,855)	(8,980)	
Other Income/Expense						
Other Expense						
850000 · Other Expenses	171,320	0	0	40,000	40,000	
Net Other Income/Expense	171,320	0	0	40,000	40,000	
Net Income	10,627	107,968	18,510	(272,855)	(48,980)	

FY 2018 Operating Budget

	Jan - Dec 17	Jan - Sept 18	Projected Year End	2018 Budget	2019 Budget	
Ordinary Income/Expense						
Income						
401000 · Customer Fees						
401100 · User Fees	4,227,804	3,307,973	4,410,631	4,424,297	4,653,215	5.5%
401200 · Late Penalty Charge	18,213	14,731	19,641	19,714	20,584	
401300 · Connection Fees	307,904	50,150	58,508	56,000	60,000	
401400 · Inspection Fees	4,375	2,770	3,700	6,000	6,000	
401500 · Contracted Services	33,991	25,699	34,265	30,000	30,000	
Total 401000 · Customer Fees	4,592,287	3,401,322	4,526,745	4,536,011	4,769,799	5.2%
415000 · Interest Income						
415300 · Interest Inc-MMkt	16,157	16,483	21,977	15,000	20,000	
415500 · Interest Inc-Cking	1,387	2,118	2,824	1,100	2,800	
415700 · Interest Inc-SRF	101,210	81,901	89,901	81,036	75,360	
Total 415000 · Interest Income	118,754	100,501	114,701	97,136	98,160	
498000 · Miscellaneous Income	17,420	847	847	9,000	0	
Total Income	4,728,461	3,502,671	4,642,293	4,642,147	4,867,959	4.9%
Expense						
501000 · Personnel Expenses						
501110 · Salary - Administrative	254,865	192,882	263,944	266,255	325,980	22.4%
501120 · Overtime - Administrative	3,993	2,440	3,339	3,995	4,890	
501210 · Salary - Operations	516,102	386,901	529,443	536,840	509,655	-5.1%
501220 · Overtime - Operations	27,199	18,770	25,685	35,435	25,485	
501230 · Standby Compensation	18,382	13,405	18,500	18,500	18,500	
501235 · Shift Differential	541	395	540	540	540	
501240 · Salary - Temporary	3,751	0	0	8,000	8,000	
501300 · Uniform - Safety Shoes	5,270	1,905	4,405	6,000	6,000	
501400 · FICA - Employer	67,734	50,625	69,277	70,670	71,375	
501500 · Worker's Compensation	13,530	10,950	14,820	14,015	15,880	
501600 · Medical Insurance	85,822	67,747	94,327	102,500	112,340	
501650 · Life Insurance	1,605	1,314	1,752	1,600	1,945	
501700 · Dental Insurance	7,983	5,383	7,177	7,985	7,490	
501800 · Long Term Disability	2,991	2,281	3,042	3,130	3,500	
501900 · Retirement - BCRSD Contribution	60,403	46,427	63,532	64,250	61,000	
502100 · Employee Assistance Program	165	0	0	250	250	
502200 · Safety Incentive Expense	350	550	550	550	600	
Total 501000 · Personnel Expenses	1,070,686	801,976	1,100,334	1,140,515	1,173,429	2.9%
520000 · Materials & Supplies						
520100 · Postage	2,306	923	1,231	2,500	2,000	
520300 · Office Supplies	2,242	1,540	2,053	2,500	2,100	
520600 · Printing & Duplicating	1,406	491	655	1,500	1,000	
520900 · Computer Supplies	450	367	489	500	500	
Total 520000 · Materials & Supplies	6,404	3,321	4,428	7,000	5,600	-20.0%
530000 · Bond Issuance Expense						
532000 · SRF Bond Issuance Exp	184,208	101,363	101,463	126,651	118,980	
530000 · Bond Issuance Expense - Other	56	53	53	53	55	
Total 530000 · Bond Issuance Expense	184,264	101,415	101,515	126,704	119,035	-6.1%
540000 · Dues, Training, Seminars						
540200 · Dues	4,011	4,175	4,375	5,100	4,400	
540400 · Seminars	580	5,231	5,531	7,500	7,500	
540600 · Training	1,155	2,841	3,409	8,600	8,600	
Total 540000 · Dues, Training, Seminars	5,746	12,247	13,315	21,200	20,500	-3.3%
545000 · Utilities						
545100 · Telephone	21,288	18,854	22,625	19,700	23,000	16.8%
545200 · Utilities Systems						
545201 · Systems Electric	157,128	113,518	151,357	159,500	155,000	
545203 · Systems Natural Gas	1,820	1,940	2,240	2,460	2,460	
545205 · Systems - Water	1,454	1,117	1,490	1,300	1,500	
545210 · Systems - Trash	517	423	564	565	570	
Total 545200 · Utilities Systems	160,919	116,998	155,651	163,825	159,530	-2.6%
545500 · Utilities Building						
545501 · Building - Electric	2,442	1,910	2,546	2,500	2,650	
545505 · Building - Water & Sewer	414	337	449	420	475	
545507 · Building Trash	1,228	1,106	1,475	1,215	1,550	
545509 · Building - Natural Gas	750	992	1,323	1,000	1,400	
Total 545500 · Utilities Building	4,835	4,345	5,794	5,135	6,075	18.3%
Total 545000 · Utilities	187,041	140,198	184,070	188,660	188,605	0.0%
550000 · Equipment Expenses						

2016 Operating Budget Detail

	Jan - Dec 17	Jan - Sept 18	Projected Year End	2018 Budget	2019 Budget	
550100 · Gasoline	38,119	28,314	37,752	36,655	38,500	
550300 · Mileage	143	130	180	200	200	
550400 · Vehicle Repairs & Maintenance	24,265	19,149	25,532	25,000	25,000	
Total 550000 · Equipment Expenses	62,528	47,593	63,464	61,855	63,700	3.0%
550700 · Systems Repairs and Maintenance						
550705 · Shop Supplies	2,280	2,378	3,171	2,700	3,200	18.5%
550710 · Treatment Costs						
550711 · Equipment Rental WWTP	493	444	592	1,000	1,000	
550713 · Lab Supplies	7,198	4,483	5,977	8,500	8,500	
550714 · Chemicals	538	1,392	1,855	4,500	4,500	
550715 · Sludge Disposal	57,885	48,805	58,566	45,000	60,000	
550716 · Lab Analysis	9,165	9,469	11,363	9,000	9,500	
550718 · Equipment Replacemnt-treatmnt	44,744	39,024	52,032	55,000	54,000	
550719 · Construction & Materials -Trtmt	3,857	658	878	4,500	4,500	
Total 550710 · Treatment Costs	123,880	104,275	131,263	127,500	142,000	11.4%
550750 · Collection Systems						
550751 · Equipment Rental Collection Sys	13,514	3,136	4,181	5,000	5,000	
550753 · Locates - MO One Call	3,951	3,758	5,011	6,000	6,000	
550754 · Pressurized System Parts	38,090	28,248	52,433	41,000	55,000	
550755 · Mapping	0	0	0	1,000	1,000	
550756 · Equipment Replacemnt-Collection	7,167	12,786	17,048	5,500	15,000	
550758 · Construction & Mat-Collection	50,863	29,001	37,001	38,610	38,000	
550759 · Back-up Rehabilitation	0	0	0	24,000	24,000	
Total 550750 · Collection Systems	113,585	76,929	115,674	121,110	144,000	18.9%
Total 550700 · Systems Repairs and Maintenance	239,745	183,582	250,109	251,310	289,200	15.1%
550800 · Misc. Equipment Repair & Maint						
551000 · Wholesale Treatment	953,509	747,592	1,011,742	1,024,097	1,017,100	-0.7%
552000 · Headquarters Repair & Maint	10,510	4,817	11,923	18,500	18,500	0.0%
560000 · Contractual Services						
560100 · Insurance	37,225	30,098	40,131	39,000	44,500	
560300 · Legal Fees	51,995	38,393	51,191	55,000	52,000	
560500 · Engineering & Surveys	14,793	6,600	7,920	10,000	10,000	
560700 · Outside Services	6,273	4,704	6,272	6,200	6,300	
560900 · Land Rent	100	100	100	100	100	
561500 · Equipment Service Contracts	13,967	16,079	17,079	17,000	17,000	
561700 · Audit	6,900	8,000	8,000	10,500	10,500	
561900 · Answering Service	3,022	1,272	1,696	2,000	2,000	
562100 · Temporary Labor Services	4,765	0	2,500	5,000	5,000	
562200 · Management Contract - County	4,971	3,728	4,971	5,000	5,000	
562300 · Computer Billing Services BEC	73,294	56,661	67,993	75,000	70,000	
562500 · Contractual Services - Misc	27,502	14,745	19,660	50,500	50,600	
562700 · Mowing Contract	0	27,403	34,403	46,700	40,000	
Total 560000 · Contractual Services	244,808	207,783	261,915	322,000	313,000	-2.8%
565000 · Miscellaneous						
565100 · Public Notices	45	0	0	100	100	
565200 · DNR Connection Fee	5,672	5,873	5,873	5,700	6,000	
565300 · Recording and Permit Fees	2,353	1,140	1,520	2,750	1,800	
565400 · Annual Meeting	144	0	0	150	150	
565500 · Subscriptions	473	211	253	350	350	
565600 · Newsletter Expense	6,525	2,818	5,637	6,900	6,000	
565700 · Administrative Expense	5,794	1,264	1,517	3,600	2,000	
565800 · Contingency & Election	0	0	0	50,000	50,000	
565900 · Bank Service Charges	1,233	849	1,131	1,500	1,300	
Total 565000 · Miscellaneous	22,239	12,155	15,932	71,050	67,700	-4.7%
566000 · Bad Debt Write Off	20,264	0	22,000	28,000	28,000	0%
580000 · Depreciation						
580200 · Depreciation-Furniture & Fix	3,139	2,022	2,696	7,440	6,602	
580300 · Depreciation-Mach & Equip	46,765	34,512	46,015	54,220	43,471	
580500 · Depreciation-Bldg Add	1,133	850	1,133	1,133	1,133	
580600 · Depreciation-Vehicles	32,892	26,138	34,851	34,097	35,511	
580700 · Depreciation-Trmnt Plants	562,374	428,867	571,823	570,353	573,372	
580800 · Depreciation-Collection Systems	531,605	433,241	577,654	596,380	595,948	
581100 · Depreciation-Floor	211	158	211	211	211	
Total 580000 · Depreciation	1,178,119	925,787	1,234,383	1,263,834	1,256,248	-0.6%
585000 · Interest Expense						
585500 · SRF Interest Expense	360,470	206,147	348,477	350,103	316,150	
585900 · Miscellaneous Interest Expense	183	89	177	174	172	

FY 2018 Operating Budget

	Jan - Dec 17	Jan - Sept 18	Projected Year End	2018 Budget	2019 Budget	
Total 585000 · Interest Expense	360,652	206,235	348,654	350,277	316,321	-9.7%
Total Expense	4,546,514	3,394,703	4,623,783	4,875,002	4,876,939	0.0%
Net Ordinary Income	181,947	107,968	18,510	(232,855)	(8,980)	
Other Income/Expense						
750000 · Non-Operating Income						
750200 · Sale of Real Estate						
850000 · Other Expenses						
852000 · Loss on Demolition of Plant	171,320	0	0	40,000	40,000	
Net Income	10,627	107,968	18,510	(272,855)	(48,980)	

2018 Capital Additions Improvements

CAPITAL ADDITIONS FUNDED BY CASH RESERVES

Electronic Equip Replacement	\$10,000	
Five Flow Meters	\$13,000	
Dump Truck Research Lease Purchase	\$30,000	
TOTAL CAPITAL ADDITIONS FUNDED BY CASH		\$53,000

CAPITAL IMPROVEMENTS FUNDED BY CASH RESERVES

Sludge Disposal Equipment	\$46,200	
Arc Flash Hazard Assessment	\$25,000	
Hill Creek Grinder Pump Repairs	\$68,000	
Engineering Odor Control for Crestwood Hills PS, New Control Panel for Shalimar Gardens PS and Adding Anodes to WWTPs	\$50,400	
Rocheport WWTP Improvements	\$148,200	
Line Relocation El Rey & Arrowhead Estates	\$16,400	
Collection System Rehab	\$32,000	
Midway Elementary Share	\$33,111	
Total Capital Improvements from Cash	\$ 419,311	

Engineering Design - (Recovered when project is funded.)

SRK Improvements	\$8,583	
Lee Heights & Oberlin Valley FP & Design	\$25,000	
Rollingwood, Richardson Acres & Brown Station Interceptors	\$68,600	
Highfield Acres Interceptor	\$5,000	
Cedar Gate FP & Design Improvements	\$2,515	
Phenora North NID	\$14,650	
Bolli Road NID	\$15,665	
Total Design	\$ 140,013	

Easement Acquisition (Recovered when project is funded.)

Phenora North NID	\$4,600	
Bolli Road NID	\$6,000	
Highfield Acres	\$11,000	
Richardson Acres/Brown Station	\$57,000	
Rollingwood Interceptor	\$10,000	
Total Acquisition	\$88,600	

TOTAL CAPITAL IMPROVEMENTS FUNDED BY CASH \$647,924

TOTAL CAPITAL ADDITIONS & IMPROVEMENTS FROM CASH \$700,924

Reimburseables & Other Income

Design & Land Acquisition Costs collected at loan closing	\$ 296,350	
		TOTAL REIMBURSEABLES \$ (296,350)
		NET CASH ADDs & REIMBURSEABLES & OTHER INC <u>\$ 404,574</u>

SRF PROJECTS

2019 Loan	
See Detail Below - Proposed 2019	\$ 1,304,709
TOTAL CAPITAL IMPROVEMENTS FUNDED BY LOANS <u>\$ 1,304,709</u>	
TOTAL CAPITAL ADDITIONS & IMPROVEMENTS <u><u>\$1,709,283</u></u>	

SUMMARY OF SRF BOND CLOSINGS

1998 Clearview WWTP	\$595,000
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2018 Capital Additions Improvements

2000 Clearview, Gregory Hts, Fairway LS, SRK, Bearfield	\$1,090,000
2002 Shaw WWTP, Walnut Brook Interceptor	\$360,000
2004 Prairie Meadows, H-21 Improvements	\$1,095,000
2006 Prairie Meadows, El Chap Ext, Sunrise Estates Evaluation	\$675,000
2007 Clearview PS Intrcpt, SE Rehab, Eagle Knoll UV, El Chap Intrcpt, S Fork Intrcpt, Rocky Fork Design, Rayfield PS	\$2,710,000
2009 Rollingwood Closure, Meadow Village WRF, Concorde Est Ext, SE PS Intrcpt, Sugar Tree Intrcpt - ARRA Grant	\$885,270
2011 University and Arrowhead Lake Estates Interceptor	\$438,000
2012 Rayfield Interceptor & PS, Fairway Meadows E & Shaw Intercpt Des & Const	\$1,208,878
2013 Rocky Fork WRF & Hwy HH Connection to City of Columbia	\$12,198,000
2015 El Rey, Spring Park, Sunrise Estates, Westwood Meadows , Rocky Fork	\$3,064,000
TOTAL BOND CLOSINGS	\$24,319,148

PROPOSED 2019

2019 Lee Heights & Oberlin Valley	\$1,304,709
TOTAL PROPOSED FOR 2019	\$1,304,709

Total Bond Closings + Proposed 2019 Bond Closing	<u>\$25,623,857</u>
Total Bonding Authority Approved by Voters	<u>\$28,650,000</u>

Bonding Authority Balance	\$3,026,143
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PROPOSED

Highfield Acres (Ammonia 2019)	\$252,606
Rollingwood WWTP Closure (Amonia 9/2019)	\$498,055
Richardson Acres (Ammonia 9/2019)/Brown Station (has ammonia limit)	\$1,518,005
Total Proposed 2018-2019	\$2,268,666

Bonding Authority Balance	\$757,477
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EQUIPMENT REPLACEMENT SCHEDULE

DESCRIPTION	SERIAL NO.	NO.	YEAR	LIFE	COST	FY19	FY20	FY21	FY22	FY23	FY 24	FY 25	FY 26	FY 27	
Vehicles															
Ford PU - F-150	1FTMF1EW2AKE03339	1 - spare	2010	7	18,253										
FORD EXPLORER	1FMHK8B89BGA61822	2 - Tom	2011	10	23,339			25,673							
Chevy PU 4WD Ext Cab	1GCDT19E988204094	3 - Andy	2008	10	16,245		25,000								
Ford PU 4WD Reg Cab F-150	1FTMF1EF9GKD82563	4 - Kevin	2016	7	24,133					27,900	-				
Ford F-250	1FTBF2B6XEED67884	5 - Russ	2014	7	27,736				30,510				-		
FORD F-550 - ONE TON/W Crane	1FDUF5HT5BEC25754	6	2011	7	79,665			100,000							
Ford PU - F-150	1FTMF1EW9AKE03340	7 - Roy	2010	7	18,253										
CHEVY DUMP TRUCK	1GBM7H1J9TJ105545	7	1996	10	37,185	140,000									
Ford F-150	1FTMF1EM7EKD69628	8 - Dwayne	2014	7	20,400				23,000						
Freightliner SEWER JET	1FVACYBS6BDAX4812	9	2010	10	189,910		240,000								
Ford PU F-150	1FTMF1EF3HKC86879	11- Jason	2017	7	25,296						27,900				
International - Tank Truck	1HTJTSKN1EH021953	12	2014	10	101,995						131,250				
Ford PU F-150	1FTMF1EF1HKC86878	14 - Virgil	2017	7	25,296						27,900				
Ford PU XL 3/4 Ton F-250	1FTBTF2B69GEC45204	15 - Scott	2016	7	25,167					27,684					
CMT 5X10 ONE AXLE/TILT Trailer	47745101695400581	304	1995	10	550										
Generator Trailer Mount (Newtown PS)BALDOR T235	4TCSU10418H511271	306	2009	10	18,900				25,000						
EAGER BEAVER HALX20 (BACK HOE TRAILER)	112H5V3193L062024	308	2003	10	12,475					17,000					
CCTV inspection Trailer	5GLBE1221GC000153	TV	2016	10	106,862							117,548			
Starlite 8.6-23 Dovetapi (18.5'X96") Trailer	13yfs23265co95424		2005	10	4,095		-	7,000							
Prairie Mead Generator-Generac Model 6577250100	2089151		2006	20-30	77,206								84,927		
Baldor Gen-Triton (HWY HH) ST-6SB-L-TY0001A25	4TCUS1060DH612295		2014	20-30	36,000										
			TOTAL VEHICLES			876,486	140,000	265,000	132,673	78,510	72,584	187,050	117,548	84,927	-
Equipment															
Intellical Ammonia Analysis Monitors (3)	KTO:HQ400		2016	10	6,074										
4 inch trash pump (Vonderrahe)	Koshin		2016	10	2,285										
Kubota K Series Ecavator	26225		2013	10	83,000						91,300				
Bobcat T590 Track Loader	A3NR11111		2013	10	44,963					49,459					
Force Main Line Locator & Transmitter	1DPH2 & 1DPH3		2013	10	3,420					4,000					
AutoClav - Lab equip drying and sterilizing machine	BR12-00 Bioclave,16L,115v		2013	10	3,375					4,000					
BOD Incubator Precision model 815 115 VAC (lab)	WB11638291		2011	10	4,410			6,500							
Triple Gas Detector Honeywell	ZEL 1000801		2010	5	1,500		2,000								
Scag STTGIU-27KA Turf Tiger	B6600120	205	2006	10	8,800										
Lab pH meter Orion 720A+	090766		2006	10	1,440		2,000								
Lab DO Meter YSI 5100	O6E1523		2006	10	1,370		2,000								
BRUSH HOG 7'			2005	10	3,000										
CH&E 6" TRASH PUMP	C522500M	307	2000	15	15,600				25,000						
Portable Flow Meter Sigma 950 AV	KA1409132001		2000	8	9,000		-					8,000			
MAGNETIC LOCATOR - FOR MANHOLES	Magna Trak-100		2000	10	2,500										
COMPOSITE SAMPLER	B2729Q		2000	10	2,500										
BALANCE- DENVER INSTRUMENT 250 (lab)	76334		1995	10	2,500		3,000		3,000						
Blue M Drying Oven OV 105A (lab)	105A-418		1995	15	1,600		1,800								
Ford New Holland Tractor bought from City in 2005	BD645576		1993	10	10,000										
			TOTAL EQUIPMENT			207,337	-	6,000	6,500	25,000	57,459	91,300	8,000	-	-
			GRAND TOTAL			1,083,823	140,000	271,000	139,173	103,510	130,043	278,350	125,548	84,927	-

CASH FLOW SUMMARY

Beginning Balance	1,131,280
REVENUE	4,867,959
EXPENSES (LESS DEP & INT)	(3,237,369)
DEBT SERVICE PAYMENT	(1,472,221)
CAPITAL ADDITIONS	(53,000)
CAPITAL IMPROVEMENTS	
<u>CASH</u>	
System rehab & purchase	(419,311)
Design	(140,013)
Easement Acquisition	(88,600)
Design Expense Recovered at Closing	296,350
<u>BORROWED FUNDS</u>	1,304,709
BORROWED FUNDS (SHORT TERM)	0
BORROWED FUNDS (LONG TERM)	(1,304,709)
End Balance	885,074
Add/Loss	(246,206)