



MATTHEW G. BEVIN
Governor

Commonwealth of Kentucky
FINANCE AND ADMINISTRATION CABINET
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WILLIAM M. LANDRUM III
Secretary

RYAN BARROW
Executive Director

August 7, 2018

The Honorable Senator Stan Humphries, Co-Chair
The Honorable Representative Larry Brown, Co-Chair
Capital Projects and Bond Oversight Committee
Legislative Research Commission
Capitol Annex Building
Frankfort, Kentucky 40601

Dear Senator Humphries and Representative Brown:

Listed below is information regarding various projects and reports that will be presented to the Capital Projects and Bond Oversight Committee ("CPBO") at the August 21, 2018, meeting.

The Kentucky Infrastructure Authority ("KIA") will present the following loans for the Committee's approval:

Fund A Loan

Paducah McCracken County Joint Sewer Agency	\$9,100,000
Regional Water Resource Agency	\$4,595,262

Fund B Loan

City of Mayfield f/b/o Mayfield Electric and Water Systems	\$849,000
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Fund C Loan

City of Bowling Green f/b/o Bowling Green Municipal Utilities	\$4,540,000
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The Office of Financial Management will present the following informational item for the Committee's review:

Kentucky Higher Education Student Loan Corporation Student Loan Revenue Bonds, Series 2018-1 (Taxable)	\$85,000,000
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The School Facilities Construction Commission is submitting the following additional information for the Committee's approval:

Carlisle County	\$475,000*
Corbin Independent	\$5,755,000*
Pike County	\$2,415,000*

*Estimated

Senator Humphries
Representative Brown
August 7, 2018
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An OFM staff member will attend the CPBO meeting to answer any questions regarding this information. Please contact me if there are any questions or should your staff require additional information.

Sincerely,



Ryan Barrow
Executive Director

Attachments

**Kentucky Infrastructure Authority
Projects for
August 2018 Capital Projects Meeting**

- **Fund A Loan**

<u>Loan #</u>	<u>Borrower</u>	<u>Loan Amount</u>	<u>County</u>
A17-033	Paducah McCracken County Joint Sewer Agency	\$ 9,100,000	McCracken
A18-005	Regional Water Resource Agency (with P&D loan)	\$ 4,595,262	Daviess

- **Fund B Loan**

<u>Loan #</u>	<u>Borrower</u>	<u>Loan Amount</u>	<u>County</u>
B17-013	City of Mayfield f/b/o Mayfield Electric and Water Systems	\$ 849,000	Graves

- **Fund C Loan**

<u>Loan #</u>	<u>Borrower</u>	<u>Loan Amount</u>	<u>County</u>
C18-001	City of Bowling Green f/b/o Bowling Green Municipal Utilities (Increase)	\$ 4,540,000	Warren

EXECUTIVE SUMMARY		Reviewer	Ashley Adams	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	June 1, 2017	
FUND A, FEDERALLY ASSISTED WASTEWATER		KIA Loan Number	A17-033	
REVOLVING LOAN FUND		WRIS Number	SX21145023	
BORROWER		PADUCAH MCCRACKEN COUNTY JOINT SEWER AGENCY MCCRACKEN COUNTY		
BRIEF DESCRIPTION				
This project will construct a 10 MG combined sewer storage tank along with related appurtenances. The project is the first project required under the Agency's Long Term Control Plan (LTCP) and Consent Judgment (Civil Action 07-CI-1252). The primary purpose of the tank will be to receive future excess wet weather flows.				
PROJECT FINANCING		PROJECT BUDGET		
Fund A Loan	\$9,100,000	RD Fee %	Actual %	
		Administrative Expenses		\$0
		Legal Expenses		7,500
		Land, Easements		300,000
		Planning		30,000
		Eng - Design / Const	6.5%	6.4%
		Eng - Insp	3.1%	2.8%
		Construction		7,085,000
		Contingency		934,450
		Other		5,000
TOTAL	\$9,100,000	TOTAL		\$9,100,000
REPAYMENT	Rate	1.75%	Est. Annual Payment	\$559,428
	Term	20 Years	1st Payment	6 Mo. after first draw
PROFESSIONAL SERVICES	Engineer	JR Wauford & Company		
	Bond Counsel	Dinsmore & Shohl, LLP		
PROJECT SCHEDULE	Bid Opening	Aug-18		
	Construction Start	Sep-18		
	Construction Stop	Jan-20		
DEBT PER CUSTOMER	Existing	\$1,227		
	Proposed	\$1,621		
OTHER DEBT	See Attached			
OTHER STATE-FUNDED PROJECTS LAST 5 YRS	See Attached			
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	18,098	\$23.32	(for 4,000 gallons)
	Additional	0	\$23.32	(for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2014	2,916,526	1,280,235	1,636,291	2.3
Audited 2015	2,960,038	1,572,243	1,387,795	1.9
Audited 2016	3,502,846	1,375,321	2,127,525	2.5
Projected 2017	4,099,052	1,569,471	2,529,581	2.6
Projected 2018	5,079,827	1,647,984	3,431,844	3.1
Projected 2019	4,991,062	1,715,046	3,276,016	2.9
Projected 2020	4,900,522	1,988,932	2,911,590	2.5
Projected 2021	4,808,171	2,267,122	2,541,049	2.1

Reviewer: Ashley Adams
Date: June 1, 2017
Loan Number: A17-033

**KENTUCKY INFRASTRUCTURE AUTHORITY
WASTEWATER REVOLVING LOAN FUND (FUND "A")
PADUCAH MCCRACKEN JOINT SEWER AGENCY, MCCRACKEN COUNTY
PROJECT REVIEW
SX21145023**

I. PROJECT DESCRIPTION

Paducah McCracken Joint Sewer Agency is requesting a Fund A loan in the amount of \$9,100,000 for the Combined Sewer Storage Tank – Harrison Street Phase 1 project. This project will construct a 10 MG combined sewer storage tank along with related appurtenances. The project is the first project required under the Agency's Long Term Control Plan (LTCP) and Consent Judgment (Civil Action 07-CI-1252). The primary purpose of the tank will be to receive future excess wet weather flows.

The Agency currently serves approximately 18,000 customers.

II. PROJECT BUDGET

	<u>Total</u>
Legal Expenses	\$ 7,500
Land, Easements	300,000
Planning	30,000
Engineering Fees - Design / Const	578,050
Engineering Fees - Inspection	225,000
Construction	7,000,000
Contingency	954,450
Other	5,000
Total	\$ 9,100,000

III. PROJECT FUNDING

	<u>Amount</u>	<u>%</u>
Fund A Loan	\$ 9,100,000	100%
Total	\$ 9,100,000	100%

IV. KIA DEBT SERVICE

Amortized Loan Amount	\$ 9,100,000
Interest Rate	1.75%
Loan Term (Years)	20
Estimated Annual Debt Service	\$ 541,228
Administrative Fee (0.20%)	18,200
Total Estimated Annual Debt Service	\$ 559,428

V. PROJECT SCHEDULE

Bid Opening	March 2018
Construction Start	May 2018
Construction Stop	October 2019

VI. CUSTOMER COMPOSITION AND RATE STRUCTURE

A) Customers

Customers	Current
Residential	18,098
Total	18,098

B) Rates

	Future	Current	Prior
Date of Last Rate Increase	07/01/17	03/01/16	07/01/14
Minimum (3,000 gallons) per 1,000	\$17.49 5.83	\$15.45 5.15	\$13.29 4.43
Cost for 4,000 gallons	\$23.32	\$20.60	\$17.72
Increase %	13.2%	16.3%	
Affordability Index (Rate/MHI)	0.8%	0.7%	

VII. DEMOGRAPHICS

Based on current Census data from the American Community Survey 5-Year Estimate 2010-2014, the Utility's service area population was 34,452 with a Median Household Income (MHI) of \$36,650. The median household income for the Commonwealth is \$43,342. The project will qualify for a 1.75% interest rate.

Year	Population		County		County Unemployment	
	City	% Change	County	% Change	Date	Rate
1980	29,315		61,310		June 2005	6.3%
1990	27,256	-7.0%	62,879	2.6%	June 2010	9.0%
2000	26,307	-3.5%	65,514	4.2%	June 2015	5.8%
2010	25,024	-4.9%	65,565	0.1%	June 2016	6.2%
Current	25,046	0.1%	65,545	0.0%		
Cumulative %		-14.6%		6.9%		

VIII. 2016 CAPITALIZATION GRANT EQUIVALENCIES

- 1) Green Project Reserve - This project does not qualify for Green Project Reserve (GPR) funding.
- 2) Additional Subsidization – This project does not qualify for additional subsidization.

IX. FINANCIAL ANALYSIS

Financial information was obtained from the audited financial statements for the years ended June 30, 2014 through June 30, 2016. The non-cash impact of GASB 68, Accounting and Financial Reporting for Pensions, has been removed from fiscal 2016 operating expenses (\$181 thousand). Percentage references in the History section below are based on whole dollar amounts and not the rounded amounts presented.

HISTORY

Revenues increased 7% from \$6.9 million in 2014 to \$7.4 million in 2016 due to previously approved rate increases. Operating expenses decreased 2% from \$4.4 million in 2014 to \$4.3 million in 2016. The debt coverage ratio was 2.3, 1.9, and 2.5 from 2014 to 2016, respectively.

The balance sheet reflects a current ratio of 5.4, a debt to equity ratio of 0.5, and a collection period of 24.4 days. Unrestricted cash equals 16.1 months of operating expenses.

PROJECTIONS

Projections are based on the following assumptions:

- 1) Revenues will increase 9.2% in 2017 and 13.2% in 2018 due to previously approved rate increases. The utility also has a CPI clause that states they

may adjust rates based on CPI-U each April although no CPI assumptions for revenue growth were factored into this analysis.

- 2) Expenses will increase 2% for inflation
- 3) Debt service coverage is 2.1 in 2021 when principal and interest repayments begin.

Based on the proforma assumptions, the utility shows adequate cash flow to repay the KIA Fund A loan.

REPLACEMENT RESERVE

The annual replacement cost is \$22,800. This amount should be added to the replacement account each December 1 until the balance reaches \$456,000 and maintained for the life of the loan.

X. DEBT OBLIGATIONS

	<u>Outstanding</u>	<u>Maturity</u>
Revenue Bonds 2011	\$ 4,140,500	2051
Revenue Refunding Bonds 2014	4,000,000	2031
KIA (A03-01)	550,968	2023
KIA (A03-08)	645,346	2026
KIA (A04-03)	431,264	2025
KIA (A08-01)	1,076,076	2029
KIA (A09-02)	5,340,434	2033
KIA (A12-08)	6,025,318	2035
KIA (A16-072) (i/a/o \$2,385,000)		
Total	\$ 22,209,906	

XI. OTHER STATE OR FEDERAL FUNDING IN PAST FIVE YEARS

<u>Project Title</u>	<u>Funding Source</u>	<u>Amount</u>	<u>Type</u>
Massac Creek Interceptor	Delta Regional Authority	\$ 100,000	Grant
Walker Boat Yard Extension & Pump Station	EDA	425,680	Grant

XII. CONTACTS

Legal Applicant

Name	Paducah McCracken Joint Sewer Agency
Address	621 Northview St Paducah, KY 42001
County	McCracken
Authorized Official	John Hodges, Executive Director
Phone	270-575-0056
Email	jhodges@jointsewer.com

Project Contact - Applicant

Name	Amy Darnell, Director of Finance
Representing	Paducah McCracken Joint Sewer Agency
Address	621 Northview St Paducah, KY 42001
Phone	270-575-0056
Email	adarnell@jointsewer.com

Project Administrator

Name	Paducah McCracken Joint Sewer Agency
Address	621 Northview St Paducah, KY 42001
Contact	Josh Webb
Phone	270-575-0056
Email	jwebb@jointsewer.com

Consulting Engineer

Name	TBD
Firm	
Address	
Phone	
Email	

XIII. RECOMMENDATIONS

KIA staff recommends approval of the loan with the standard conditions.

**PADUCAH MCCRACKEN COUNTY JOINT SEWER AGENCY
FINANCIAL SUMMARY (JUNE YEAR END)**

	<u>Audited 2014</u>	<u>Audited 2015</u>	<u>Audited 2016</u>	<u>Projected 2017</u>	<u>Projected 2018</u>	<u>Projected 2019</u>	<u>Projected 2020</u>	<u>Projected 2021</u>
Balance Sheet								
Assets								
Current Assets	14,773,081	13,346,415	13,992,586	14,544,039	15,301,708	15,956,911	16,539,229	17,047,439
Other Assets	65,256,863	68,423,112	67,910,623	69,368,198	69,344,569	69,954,611	77,628,945	76,665,182
Total	80,029,944	81,769,527	81,903,209	83,912,238	84,646,277	85,911,522	94,168,174	93,712,621
Liabilities & Equity								
Current Liabilities	1,758,635	2,137,269	2,581,348	2,591,318	2,627,085	2,652,789	2,679,435	2,711,026
Long Term Liabilities	20,559,124	24,108,560	23,890,401	25,012,361	23,648,914	23,092,703	30,167,984	28,945,015
Total Liabilities	22,317,759	26,245,829	26,471,749	27,603,679	26,275,999	25,745,492	32,847,419	31,656,041
Net Assets	57,712,185	55,523,698	55,431,460	56,308,558	58,370,278	60,166,031	61,320,755	62,056,580
Cash Flow								
Revenues	6,912,425	6,921,452	7,407,866	8,089,390	9,157,189	9,157,189	9,157,189	9,157,189
Operating Expenses	4,341,692	4,251,438	4,265,905	4,351,223	4,438,247	4,527,012	4,617,552	4,709,903
Other Income	345,793	290,024	360,885	360,885	360,885	360,885	360,885	360,885
Cash Flow Before Debt Service	2,916,526	2,960,038	3,502,846	4,099,052	5,079,827	4,991,062	4,900,522	4,808,171
Debt Service								
Existing Debt Service	1,280,235	1,572,243	1,375,321	1,569,471	1,647,984	1,715,046	1,709,218	1,707,694
Proposed KIA Loan	0	0	0	0	0	0	279,714	559,428
Total Debt Service	1,280,235	1,572,243	1,375,321	1,569,471	1,647,984	1,715,046	1,988,932	2,267,122
Cash Flow After Debt Service	1,636,291	1,387,795	2,127,525	2,529,581	3,431,844	3,276,016	2,911,590	2,541,049
Ratios								
Current Ratio	8.4	6.2	5.4	5.6	5.8	6.0	6.2	6.3
Debt to Equity	0.4	0.5	0.5	0.5	0.5	0.4	0.5	0.5
Days Sales in Accounts Receivable	22.7	26.5	24.4	24.4	24.4	24.4	24.4	24.4
Months Operating Expenses in Unrestricted Cash	14.5	17.1	16.1	17.2	18.7	20.1	21.2	22.1
Debt Coverage Ratio	2.3	1.9	2.5	2.6	3.1	2.9	2.5	2.1

**RESOLUTION OF
PADUCAH-MCCRACKEN COUNTY JOINT SEWER AGENCY**

Comes now the Paducah-McCracken County Joint Sewer Agency (“JSA”), and by and through its Board of Directors, hereby adopts the following resolution at a special, called meeting held on May 9, 2005.

WHEREAS, the JSA was formed pursuant to identical ordinances adopted by both the City of Paducah and the McCracken County Fiscal Court, under the authority of KRS 76.231 (such ordinances hereinafter referred to as the “Establishing Ordinances”); and

WHEREAS, the JSA’s current schedule of rates, rentals, and charges will not continue to generate sufficient revenue for the proper operation and maintenance of the existing sewer system and for the retirement of JSA’s outstanding debt; and

WHEREAS, in order to comply with all federal and state laws as well as with the Establishing Ordinances, the JSA must maintain a schedule of charges that will generate sufficient revenue to offset the cost of all operation and maintenance of the sewer system; and

WHEREAS, it is a joint finding of the City of Paducah, McCracken County Fiscal Court, and the JSA Board that local needs warrant non-uniform residential rates due to significant differences between the amount of debts and assets contributed by each of the former sewer districts at time of the JSA's formation which make immediately uniform rates inequitable; and

WHEREAS, it is a joint finding of the City of Paducah, McCracken County Fiscal Court, and the JSA Board that the limited capacity of the wastewater treatment facilities owned and operated by JSA necessitate the difference in fees charged for treatment and disposal of waste generated outside McCracken County; and

WHEREAS, the JSA adopted a proposed adjusted schedule of rates (hereinafter “Adjusted Schedule of Rates and Charges”) at its regularly scheduled board meeting held on March 24, 2005.

WHEREAS, notice of the Adjusted Schedule of Rates and Charges was published in the Paducah Sun on both March 27, 2005 and March 29, 2005; and

WHEREAS, the proposed Adjusted Schedule of Rates and Charges remained open for inspection in the JSA offices for thirty (30) days from the date of publication of the publication of the Adjusted Schedule of Rates and Charges and the JSA received no comments or suggested amendments to the Adjusted Schedule of Rates and Charges; and

WHEREAS, the JSA Board has reviewed has reviewed the final adjusted schedule attached hereto (hereinafter the “Final Adjusted Schedule of Rates and Charges”).

NOW, THEREFORE, in accordance with the foregoing, the JSA hereby adopts the following resolutions:

RESOLVED, that the JSA Board of Directors hereby adopts the Final Adjusted Schedule of Rates and Charges.

BE IT FURTHER RESOLVED, that the JSA will recommend the Final Adjusted Schedule of Rates and Charges at a joint meeting of the legislative bodies of the Paducah City Commission and McCracken County Fiscal Court on May 16, 2005.

CERTIFICATE

The undersigned hereby certifies that the foregoing Resolution was duly adopted at a meeting of the Board of Directors of the Paducah-MCCRACKEN County Joint Sewer Agency on May 9, 2005, in Paducah, Kentucky.

Dated: May 9, 2005



CHAIRMAN

FINAL ADJUSTED SCHEDULE OF RATES AND CHARGES

A. WASTEWATER USER CHARGES

For customers of the former sewer districts, the rates and charges shall be:

From July 1, 2005 through June 30, 2007, the following rates shall apply:

City of Paducah	\$3.30 per 1,000 gallons of water usage with 3,000 gallons minimum
Lone Oak	\$4.39 per 1,000 gallons of water usage with 3,000 gallons minimum
Reidland	\$5.80 per 1,000 gallons of water usage with 3,000 gallons minimum
Woodlawn	\$4.39 per 1,000 gallons of water usage with 3,000 gallons minimum

From July 1, 2007 through June 30, 2009, the following rates shall apply:

City of Paducah	\$3.70 per 1,000 gallons of water usage with 3,000 gallons minimum
Lone Oak	\$4.39 per 1,000 gallons of water usage with 3,000 gallons minimum
Reidland	\$5.20 per 1,000 gallons of water usage with 3,000 gallons minimum
Woodlawn	\$4.39 per 1,000 gallons of water usage with 3,000 gallons minimum

From and after July 1, 2009, the following rates shall apply:

City of Paducah	\$4.00 per 1,000 gallons of water usage with 3,000 gallons minimum
Lone Oak	\$4.00 per 1,000 gallons of water usage with 3,000 gallons minimum
Reidland	\$4.00 per 1,000 gallons of water usage with 3,000 gallons minimum
Woodlawn	\$4.00 per 1,000 gallons of water usage with 3,000 gallons minimum

After July 1, 2009, the JSA may adjust the listed rates in accordance with the consumer price index for all urban consumers ("CPI-U").

B. INDUSTRIAL SURCHARGE

Permits are issued to certain industries that produce wastewater of an unusual content or an abnormally high strength. Industries that qualify, as determined by JSA, will pay a permit fee of \$900 every three years.

Additional surcharge rates shall apply to each user of the treatment system that has received permission from JSA to contribute excessive strength wastewater to the sewer system.

For the treatment of biological oxygen demand ("BOD") waste in a concentration exceeding 300 mg/l, an additional surcharge will be imposed as follows:

From July 1, 2005, through June 30, 2007, a surcharge of \$0.15 per pound of BOD.

From July 1, 2007, through June 30, 2009, a surcharge of \$0.17 per pound of BOD.

From and after July 1, 2009, a surcharge of \$0.20 per pound of BOD.

For the treatment of waste containing total suspended solids (“TSS”) in a concentration exceeding 350 mg/l, a surcharge will be imposed as follows:

From July 1, 2005, through June 30, 2007, a surcharge of \$0.16 per pound of TSS.

From July 1, 2007, through June 30, 2009, a surcharge of \$0.19 per pound of TSS.

From and after July 1, 2009, a surcharge of \$0.21 per pound of TSS.

After July 1, 2009, the JSA may adjust these rates in accordance with the consumer price index for all urban consumers (“CPI-U”).

C. HAULED WASTE

The JSA shall assess a fee for the treatment and proper disposal of acceptable waste that is generated within McCracken County and hauled to the Paducah Wastewater Treatment Plant. The following rates will apply for the disposal of hauled waste:

From July 1, 2005, through June 30, 2007, the charge will be \$30.00 per 1,000 gallons of hauled waste.

From July 1, 2007, through June 30, 2009, the charge will be \$34.00 per 1,000 gallons of hauled waste.

From and after July 1, 2009, the charge will be \$37.00 per 1,000 gallons of hauled waste.

After July 1, 2009, the JSA may adjust these rates in accordance with the consumer price index for all urban consumers (“CPI-U”).

JSA shall assess a fee for the treatment and proper disposal of acceptable waste that is generated outside of McCracken County and hauled to the Paducah Wastewater Treatment Plant. The fee for treatment and disposal of acceptable waste generated outside McCracken County shall be exactly double the fee charged for waste generated in McCracken County.

Qualified haulers will also pay an annual fee for a disposal permit in the amount of \$300.

D. OTHER FEES

i. **TAP-ON FEE**

This is a fee assessed to recover the costs of constructing core facilities and appurtenances which make sewer service available. This fee would be due from every new customer that connects to the system. The proposed fee is \$1,950 per Equivalent Residential Unit (ERU).

ii. **CAPACITY FEE**

This fee is a charge to all new customers connecting to the JSA sanitary sewer system, and represents the purchase of their share of capacity. This fee would be due from every new customer that connects to the system. The proposed fee is \$350 per Equivalent Residential Unit (ERU).

iii. LATERAL CONNECTION FEE

A lateral connection fee is a charge assessed to recover the costs associated with constructing a physical sewer connection for a property from the property line or the right-of-way to the JSA sanitary sewer system. This fee would be due from any new customer requesting such a connection. This fee is \$625 minimum per connection, but may vary based on the actual width of the right-of-way.

EXECUTIVE SUMMARY		Reviewer	Melissa Rife	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	July 10, 2018	
FUND A, FEDERALLY ASSISTED WASTEWATER		KIA Loan Number	A18-005	
REVOLVING LOAN FUND		WRIS Number	SX21059027	
BORROWER		REGIONAL WATER RESOURCE AGENCY DAVISS COUNTY		
BRIEF DESCRIPTION				
The Ravines Sewer Upgrade project will reconstruct and upgrade the Ravine Interceptor Sewer that conveys combined sewage in the north central portion of Owensboro's combined sewer system. The project is designed to separate storm water and wastewater into separate pipes conveying storm water away and out of the combined sewer system. The separation will result in CSS lines being replaced with SSS and storm lines. The storm water contribution to the combined sewer overflow located at Locust Street will be greatly reduced.				
PROJECT FINANCING		PROJECT BUDGET		
Fund A Loan	\$4,180,262	RD Fee %	Actual %	
KIA P&D Loan (A16-026)	\$415,000			
				Administrative Expenses \$50,000
				Legal Expenses 40,000
				Land, Easements 20,000
		Eng - Design / Const 6.9%	6.6%	264,718
		Eng - Insp 3.7%	3.5%	139,342
	-	Eng - Other		100,000
		Construction		3,619,275
		Contingency		361,927
TOTAL	\$4,595,262	TOTAL		\$4,595,262
REPAYMENT	Rate	1.75%	Est. Annual Payment	\$282,497
	Term	20 Years	1st Payment	6 Mo. after first draw
PROFESSIONAL SERVICES	Engineer	Cannon & Cannon, Inc.		
	Bond Counsel	Dinsmore & Shohl, LLP		
PROJECT SCHEDULE	Bid Opening	June 2018		
	Construction Start	August 2018		
	Construction Stop	August 2020		
DEBT PER CUSTOMER	Existing	\$940		
	Proposed	\$1,400		
OTHER DEBT	See Attached			
RESIDENTIAL RATES	Current	<u>Users</u>	<u>Avg. Bill</u>	
		30,410	\$37.29	(for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2014	4,517,894	2,787,456	1,730,438	1.6
Audited 2015	5,372,723	2,957,026	2,415,697	1.8
Audited 2016	7,776,746	3,177,474	4,599,272	2.4
Audited 2017	8,492,271	2,768,067	5,724,204	3.1
Projected 2018	8,821,079	3,064,332	5,756,747	2.9
Projected 2019	9,041,557	3,195,033	5,846,525	2.8
Projected 2020	9,239,430	3,769,885	5,469,546	2.5
Projected 2021	9,416,097	4,528,902	4,887,195	2.1
Projected 2022	9,572,752	4,517,907	5,054,845	2.1

Reviewer: Melissa Rife
Date: July 10, 2018
Loan Number: A18-005

**KENTUCKY INFRASTRUCTURE AUTHORITY
WASTEWATER REVOLVING LOAN FUND (FUND A)
REGIONAL WATER RESOURCE AGENCY, DAVIESS COUNTY
PROJECT REVIEW
SX21059027**

I. PROJECT DESCRIPTION

The Regional Water Resource Agency (RWRA) is requesting Fund A loan in the amount of \$4,595,262 for the Ravines Sewer Upgrade project. This loan includes KIA Planning & Design Loan A16-026 in the amount of \$415,000 (approved by the KIA Board on April 7, 2016).

This is the third phase of up and down stream improvements and storm/sanitary separation improvements within this watershed. The Ravines Sewer Upgrade project involves the reconstruction and upgrade of the Ravine Interceptor Sewer that conveys combined sewage in the north central portion of Owensboro's combined sewer system. The project is designed to separate storm water and wastewater into separate pipes conveying storm water away and out of the combined sewer system. The separation will result in CSS lines being replaced with SSS and storm lines. The storm water contribution to the combined sewer overflow located at Locust Street will be greatly reduced.

The Ravine Sewer was originally constructed the former ditch located in the northern portion of the combined sewer system referred to as "The Ravine." The line runs in a diagonal path across several city blocks. The original line does not contain dedicated easements to prevent construction above the pipe. This creates the potential to damage the structures if the line becomes compromised. The condition of this line is unstable. There are various sections of the pipe with structural issues, including improper pipe sizing when originally installed. The new lines will be in the same ditch and will be offset to adequately facilitate future replacements and repairs. Original lines will either be removed or safe loaded.

II. PROJECT BUDGET

	<u>Total</u>
Administrative Expenses	\$ 50,000
Legal Expenses	40,000
Land, Easements	20,000
Engineering Fees – Design	205,000
Engineering Fees – Construction	59,718
Engineering Fees – Inspection	139,342
Engineering Fees – Other	100,000
Construction	3,619,275
Contingency	361,927
Total	\$ 4,595,262

III. PROJECT FUNDING

	Amount	%
Fund A Loan	\$ 4,180,262	91%
KIA P&D Loan (A16-026)	415,000	9%
Total	\$ 4,595,262	100%

IV. KIA DEBT SERVICE

Construction Loan	\$ 4,180,262
KIA P&D Loan (A16-026)	415,000
Less: Principal Forgiveness	0
Amortized Loan Amount	\$ 4,595,262
Interest Rate	1.75%
Loan Term (Years)	20
Estimated Annual Debt Service	\$ 273,306
Administrative Fee (0.20%)	9,191
Total Estimated Annual Debt Service	\$ 282,497

V. PROJECT SCHEDULE

Bid Opening	June 2018
Construction Start	August 2018
Construction Stop	August 2020

VI. CUSTOMER COMPOSITION AND RATE STRUCTURE

A) Customers

Customers	Current	Total
Residential	27,520	27,520
Commercial	2,803	2,803
Industrial	87	87
Total	30,410	30,410

B) Rates

	Current	Prior	Prior
Date of Last Rate Increase	07/01/17	07/01/16	01/01/16
Minimum	\$ 14.05	\$ 12.95	\$ 11.95
Each additional 1,000 gallons	4.39	4.39	4.39
Environmental Improvement Charge	5.15	3.95	2.95
Capacity Fee	0.53		
Cost for 4,000 gallons	\$ 37.29	\$ 34.46	\$ 32.46
Increase %	8.2%	6.2%	
Affordability Index (Rate/MHI)	1.1%	1.1%	

RWRA has rate adjustments planned through 2021. All rate increases have been included in this analysis.

VII. DEMOGRAPHICS

Based on current Census data from the American Community Survey 5-Year Estimate 2012-2016, the Utility's service area population was 72,417 with a Median Household Income (MHI) of \$41,810. The median household income for the Commonwealth is \$43,740. The project will qualify for a 1.75% interest rate.

Year	Population				Unemployment Rate	
	City	% Change	County	% Change	Date	Rate
1980	54,450		85,949		June 2005	6.3%
1990	53,549	-1.7%	87,189	1.4%	June 2010	9.2%
2000	54,067	1.0%	91,545	5.0%	June 2015	4.9%
2010	57,265	5.9%	96,656	5.6%	June 2017	5.3%
Current	58,685	2.5%	98,724	2.1%		
Cumulative %		7.8%		14.9%		

VIII. 2017 CAPITALIZATION GRANT EQUIVALENCIES

- 1) Green Project Reserve - This project does not qualify for Green Project Reserve (GPR) funding.
- 2) Additional Subsidization – This project does not qualify for additional subsidization.

IX. FINANCIAL ANALYSIS

Financial information was obtained from the audited financial statements for the years ended 06/30/14 through 06/30/17. The non-cash impact of GASB 68, Accounting and Financial Reporting for Pensions, has been removed from fiscal 2016 operating expenses (\$576,572) and fiscal 2017 operating expenses (\$705,575). Percentage references in the History section below are based on whole dollar amounts and not the rounded amounts presented.

HISTORY

Revenues increased approximately 33% from \$16.1 million to \$21.4 million from 2014 to 2017 while operating expenses increased 11.5% from \$12.0 million to \$13.3 million. Cash flow available for debt service was \$4.5 million, \$5.3 million, \$7.8 million, and \$8.5 million in 2014, 2015, 2016, and 2017 respectively, while the debt coverage ratio was 1.6, 1.8, 2.4, and 3.1.

The 2017 balance sheet reflects a current ratio of 3.2, debt to equity ratio of 0.8, and 33.3 days sales in accounts receivable.

AUDIT INFORMATION

Opinion:

2014 Unqualified

2015 Unqualified

2016 Unqualified

2017 Unqualified

Internal Control Over Financial Reporting:

2014 Auditor did not identify any deficiencies in internal controls.

2015 Auditor did not identify any deficiencies in internal controls.

2016 Auditor did not identify any deficiencies in internal controls.

2017 Auditor did not identify any deficiencies in internal controls.

Compliance and Other Matters:

2014 Auditor's tests did not disclose any instances of noncompliance or other matters required to be reported under Governmental Auditing Standards.

2015 Auditor's tests did not disclose any instances of noncompliance or other matters required to be reported under Governmental Auditing Standards.

2016 Auditor's tests did not disclose any instances of noncompliance or other matters required to be reported under Governmental Auditing Standards.

2017 Auditor's tests did not disclose any instances of noncompliance or other matters required to be reported under Governmental Auditing Standards.

PROJECTIONS

Projections are based on the following assumptions:

- 1) Revenues will increase according to the rate plan established by RWRA through 2021.
- 2) Operating expenses will increase 2% annually for inflation.
- 3) Debt service coverage is 2.1 in 2021 when principal and interest repayments begin.

Based on the pro forma assumptions, the utility shows adequate cash flow to repay the KIA Fund A loan.

REPLACEMENT RESERVE

The current replacement reserve account of \$2,500,000 is adequate to cover reserves for all KIA loans. No additional reserves will be required as a result of this loan.

X. DEBT OBLIGATIONS

	Outstanding	Maturity
2016 Series A Revenue Bonds	\$ 2,350,000	2027
KIA A99-04	8,538,288	2023
KIA A06-02	3,968,930	2027
KIA A07-08	854,203	2028
KIA A10-13	5,347,123	2032
KIA A12-14	332,895	2033
KIA A12-15	2,283,955	2033
KIA A13-017	813,208	2035
KIA A13-028	809,775	2035
KIA A14-008	331,439	2035
City of Owensboro (JSA Improvements)	681,552	2035
KIA A15-002 (i/a/o \$8,007,500)	0	TBD
KIA A15-027 (i/a/o \$1,425,000)	219,174	TBD
KIA A15-099 (i/a/o \$3,566,001)	1,960,589	TBD
KIA A16-026 P&D (i/a/o \$415,000)	75,499	TBD
KIA A16-082 PTP Loan (i/a/o \$200,000)	0	TBD
KIA B17-014 (i/a/o \$500,000)	0	TBD
KIA B17-015 (i/a/o \$485,000)	0	TBD
KIA A18-005 (i/a/o \$4,180,262)	0	TBD
KIA A18-007 (i/a/o \$2,047,000)	0	TBD
KIA A18-026 (i/a/o \$5,619,274)	0	TBD
Total	\$ 28,566,630	

XI. CONTACTS

Legal Applicant	
Entity Name	Regional Water Resource Agency
Authorized Official	Joseph G. Schepers, Executive Director
County	Daviess
Email	schepersjg@rwra.org
Phone	(270) 687-8440
Address	1722 Pleasant Valley Road Owensboro, KY 42303

Applicant Contact

Name	Joseph G. Schepers, Executive Director
Organization	Regional Water Resource Agency
Email	schepersjg@rwra.org
Phone	(270) 687-8440
Address	1722 Pleasant Valley Road Owensboro, KY 42303

Project Administrator

Name	Brad Alley
Organization	GRADD
Email	bradalley@gradd.com
Phone	(270) 926-4433
Address	300 GRADD Way Owensboro, KY 42301

Consulting Engineer

PE Name	Jeffrey Thomas Lashlee
Firm Name	Cannon & Cannon, Inc.
Email	jlashlee@cannon-cannon.com
Phone	(270) 843-2744
Address	2501 Crossings Blvd.; Suite 203 Bowling Green, KY 42104

XII. RECOMMENDATIONS

KIA staff recommends approval of the loan with the standard conditions.

**REGIONAL WATER RESOURCE AGENCY
FINANCIAL SUMMARY (June YEAR END)**

	<u>Audited 2014</u>	<u>Audited 2015</u>	<u>Audited 2016</u>	<u>Audited 2017</u>	<u>Projected 2018</u>	<u>Projected 2019</u>	<u>Projected 2020</u>	<u>Projected 2021</u>	<u>Projected 2022</u>
Balance Sheet									
Assets									
Current Assets	6,600,476	8,684,574	10,735,081	15,074,573	15,708,114	16,337,666	16,927,921	17,458,540	18,004,625
Other Assets	72,739,995	73,766,013	75,927,345	78,631,149	82,479,963	95,511,094	102,775,449	102,160,124	101,695,685
Total	79,340,471	82,450,587	86,662,426	93,705,722	98,188,077	111,848,760	119,703,370	119,618,665	119,700,310
Liabilities & Equity									
Current Liabilities	3,613,418	4,069,830	4,120,209	4,649,222	4,719,336	4,781,473	4,844,510	4,903,449	4,935,949
Long Term Liabilities	28,153,489	33,887,218	34,208,359	35,516,645	36,658,967	46,411,342	50,861,705	48,079,364	45,297,023
Total Liabilities	31,766,907	37,957,048	38,328,568	40,165,867	41,378,303	51,192,815	55,706,215	52,982,813	50,232,972
Net Assets	47,573,564	44,493,539	48,333,858	53,539,855	56,809,774	60,655,945	63,997,155	66,635,852	69,467,338
Cash Flow									
Revenues	16,121,783	17,687,562	19,642,314	21,407,439	22,042,267	22,534,712	23,009,992	23,469,614	23,914,883
Operating Expenses	11,960,694	12,711,388	12,613,885	13,331,742	13,598,377	13,870,344	14,147,751	14,430,706	14,719,320
Other Income	356,805	396,549	748,317	416,574	377,189	377,189	377,189	377,189	377,189
Cash Flow Before Debt Service	4,517,894	5,372,723	7,776,746	8,492,271	8,821,079	9,041,557	9,239,430	9,416,097	9,572,752
Debt Service									
Existing Debt Service	2,787,456	2,957,026	3,177,474	2,768,067	3,064,332	3,195,033	3,769,885	4,246,405	4,235,410
Proposed KIA Loan	0	0	0	0	0	0	0	282,497	282,497
Total Debt Service	2,787,456	2,957,026	3,177,474	2,768,067	3,064,332	3,195,033	3,769,885	4,528,902	4,517,907
Cash Flow After Debt Service	1,730,438	2,415,697	4,599,272	5,724,204	5,756,747	5,846,525	5,469,546	4,887,195	5,054,845
Ratios									
Current Ratio	1.8	2.1	2.6	3.2	3.3	3.4	3.5	3.6	3.6
Debt to Equity	0.7	0.9	0.8	0.8	0.7	0.8	0.9	0.8	0.7
Days Sales in Accounts Receivable	32.7	32.0	33.1	33.3	33.3	33.3	33.3	33.3	33.3
Months Operating Expenses in Unrestricted Cash	3.5	4.9	6.4	9.7	10.0	10.3	10.6	10.8	11.0
Debt Coverage Ratio	1.6	1.8	2.4	3.1	2.9	2.8	2.5	2.1	2.1

**RESOLUTION OF THE REGIONAL WATER
RESOURCE AGENCY'S SCHEDULE FOR
WASTEWATER RATES, RENTALS, CHARGES AND
POLICIES PURSUANT TO KRS CHAPTER 76**

WHEREAS, the Regional Water Resource Agency (RWRA) published, pursuant to Chapters 76 and 424 of the Kentucky Revised Statutes, the Schedule of Wastewater Rates, Rentals, Charges and Policies set out below; and

WHEREAS, the Schedule was open for inspection at the Administrative Offices of the Regional Water Resource Agency, 1722 Pleasant Valley Road, Owensboro, Kentucky, for thirty (30) days; and

WHEREAS, on the 20th day of February, 2017, by Resolution of its Board, the Regional Water Resource Agency gave final approval for the Schedule of Wastewater Rates, Rentals, Charges and Policies for its services set forth herein, to be recommended and forwarded to the Owensboro-Daviess County Rate Review Board for approval; and

WHEREAS, on the 2nd day of March, 2017, the Owensboro-Daviess County Rate Review Board adopted the Schedule of Wastewater Rates, Rentals, Charges and Policies set forth herein,

WHEREAS, the Board of RWRA has examined and heard all complaints, and has established this final Schedule of Wastewater Rates, Rentals, Charges and Policies,

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF REGIONAL WATER RESOURCE AGENCY:

That RWRA submits for approval or disapproval to the Owensboro Daviess County Rate Review Board the Schedule of Wastewater Rates, Rentals,

Charges and Policies set forth below for bills issued on or after the dates identified below:

CUSTOMER SERVICE CHARGE

The current monthly Customer Service Charge of \$12.95, providing zero (0) gallons of wastewater treatment service, shall be revised to be dependent on the size of the meter providing service, with the 1" meter being considered as the base effective July 1, 2017. The monthly rate shall be based on the comparison of the square of the meter size to a typical 1" meter as follows:

5/8" Meter = \$14.05
1" Meter = \$14.05
1 1/2" Meter = \$31.61
2" Meter = \$56.20
3" Meter = \$126.45
4" Meter = \$224.80
5" Meter = \$351.25
6" Meter and Larger = \$505.80

The base Customer Service Charge for a 1" meter shall increase by \$1.10 annually effective July 1, 2017 through July 1, 2021. Refer to the attached Schedule of Values titled Exhibit 1.

WASTEWATER USER CHARGE

The current monthly Wastewater User Charge of \$4.39 per 1,000 gallons of usage shall remain constant beginning July 1, 2017 through June 30, 2022. Refer to the attached Schedule of Values titled Exhibit 1.

ENVIRONMENTAL IMPROVEMENT FEE

The current monthly Environmental Improvement Fee of \$3.95 shall increase by \$1.20 annually effective July 1, 2017 through July 1, 2021. Refer to the attached Schedule of Values titled Exhibit 1.

For non-residential customers whose monthly billable volume exceeds 15,000 gallons, the current monthly volume charge of \$0.28 per 1,000 gallons of usage (for every gallon of usage above 15,000 gallons) shall increase by \$0.07 annually effective July 1, 2017 through July 1, 2021. Refer to the attached Schedule of Values titled Exhibit 1.

QUALITY SURCHARGE

The current high-strength waste quality surcharge of \$0.220 for Biochemical Oxygen Demand (B.O.D.) and \$0.212 for Total Suspended Solids (T.S.S.) for customers exceeding 265 mg/l on either of these parameters shall remain unchanged. The current quality surcharge for customers exceeding 100 mg/l of Fats, Oils and Grease (F.O.G.) shall remain unchanged at \$0.221 per pound.

CAPACITY FEE

Capacity Fees shall be revised to be charged to every customer of RWRA that is connected to the system. The Capacity Fee shall be dependent on the size of the meter providing service, with the 1" meter being considered as the base effective July 1, 2017. The monthly rate shall be based on the comparison of the square of the meter size to a typical 1" meter as follows:

5/8" Meter = \$0.53

1" Meter = \$0.53

1 1/2" Meter = \$1.19

2" Meter = \$2.12

3" Meter = \$4.77

4" Meter = \$8.48

5" Meter = \$13.25

6" Meter and Larger = \$19.08

The base Capacity Fee for a 1" meter shall remain constant beginning July 1, 2017 through June 30, 2022. Refer to the attached Schedule of Values titled Exhibit 1.

The Capacity Fee for all permits, other than single family residential permits, issued during the transition to the revised charge above should include the following schedule:

Permits Issued in March 2017 – 20% Capacity Fee Reduction

Permits issued in April 2017 – 40% Capacity Fee Reduction

Permits issued in May 2017 – 60% Capacity Fee Reduction

Permits issued in June 2017 – 80% Capacity Fee Reduction

SYSTEM DEVELOPMENT FEE

The current System Development (SD) Fee of \$2,178.00 per ERU shall remain constant beginning July 1, 2017 through June 30, 2022. Refer to the attached Schedule of Values titled Exhibit 1. Qualified existing users are allowed to finance the System Development Fee at 4.5% over twenty (20) years. All customers requiring a permit for new construction shall pay the System Development Fee as a part of the permit application process with the exception of the financing option set out below.

NONRESIDENTIAL SYSTEM DEVELOPMENT FEE

New or expanding nonresidential customers with calculated flow of more than 100,000 gallons per day have the option to pay a Nonresidential System Development Fee as follows:

Step 1:

Calculate the System Development Fee that would be applicable.

Step 2:

Option a: Establish a cost estimate for the provision of sewer service to the proposed site, adequate to provide required service as determined by RWRA. This estimate is based on the assumption that the System Development lines, lift station(s), etc., do not exist, and the service would have had to be extended to the RWRA system, at a location (in RWRA's system) that existed prior to July 1, 1997, that is adequate to accept the proposed flow.

OR

Option b: Establish a cost estimate for the provision of service to the proposed site, based on a percentage of the costs of the system development project, or portion thereof, that provides service to the site or is used to transport the flow. This estimate could be based on percentage of line or lift station used, projected flow during peak and off-peak hours, or any other reasonable engineering estimate for the projected use of RWRA facilities.

Step 3:

Compare the calculated System Development Fee in Step 1 to the applicable cost established in Step 2(a) or (b), and charge the lower of the two fees to the potential customer.

NEW CONSTRUCTION SYSTEM DEVELOPMENT FEE FINANCING

Customers that have daily flow of 100,000 gallons or less are required to pay the established System Development Fees outlined herein, at the time of permit issuance by RWRA.

Customers that have a daily flow above 100,000 gallons have the option to finance System Development fees on their monthly billing at an interest rate of 4.5% over twenty (20) years.

ASSESSMENT FEE

The costs associated with the capital construction (i.e., construction, engineering, easement acquisition, etc.) shall remain pro-rata to all properties within a defined assessment zone when RWRA constructs necessary wastewater facilities in unsewered areas. Property owners may elect to pay the related costs in a lump sum or allowed to finance the Assessment Fee at a rate of 6.00% (set by KRS 76.172) over twenty years. Owners choosing to finance their assessment shall have an apportionment warrant (lien) filed on the benefited property.

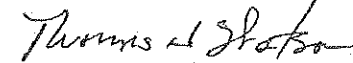
MISCELLANEOUS RATES, RENTALS, AND CHARGES

RWRA establishes, administers and enforces Wastewater System User Regulations, as required by the Kentucky Division of Water, the Environmental Protection Agency, and the Clean Water Act. Enforcement of these regulations can result in charges including, but not limited to, fines, penalties, cleanup costs, repair reimbursements, and termination of service charges. RWRA may establish fees for these and other services and adjust such fees without approval of the Owensboro-Daviess County Rate Review Board. The Customer Services Charge, Wastewater User

Charge, Environmental Improvement Fee, Quality Surcharges, Capacity Fee, System Development Fee, and Assessment Fee format require approval of the Owensboro-Daviess County Rate Review Board.

PUBLICLY READ, ADOPTED, AND APPROVED this the 2nd day of March, 2017.

RATE REVIEW BOARD:



Mayor Tom Watson
City of Owensboro
Co-Chairman

RATE REVIEW BOARD:



Judge-Executive Al Mattingly
Daviess County Fiscal Court
Co-Chairman

ATTEST:



Kellie Pfeiffer
RWRA/Rate Review Board Clerk

EXECUTIVE SUMMARY		Reviewer	Ashley Adams	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	June 1, 2017	
FUND B, INFRASTRUCTURE		KIA Loan Number	B17-013	
REVOLVING LOAN FUND		WRIS Number	SX21083058 WX21083041	
BORROWER	CITY OF MAYFIELD F/B/O MAYFIELD ELECTRIC AND WATER SYSTEMS GRAVES COUNTY			
BRIEF DESCRIPTION				
This loan will fund a wastewater project as well as a drinking water project that are already under construction. The wastewater portion will replace two screw pumps at the Mayfield Wastewater Treatment plant that have not had major rehabilitation since they were installed in the early 1990s. The drinking water portion of the project will construct two new water wells at the Mayfield Water Treatment Plant. The current wells have reached their daily capacity.				
PROJECT FINANCING		PROJECT BUDGET		
Fund B Loan	\$849,000	RD Fee %	Actual %	
		Eng - Design / Const	11.8%	4.5%
		Eng - Insp	9.8%	0.7%
		Construction		769,000
		Contingency		38,000
TOTAL	\$849,000	TOTAL		\$849,000
REPAYMENT	Rate	0.25%	Est. Annual Payment	\$45,245
	Term	20 Years	1st Payment	6 Mo. after first draw
PROFESSIONAL SERVICES	Engineer	Water Management Systems		
	Bond Counsel	Dinsmore & Shohl, LLP		
PROJECT SCHEDULE	Bid Opening	Drinking Water	Wastewater	
	Construction Start	Nov-16	Oct-16	
	Construction Stop	Aug-17	Feb-17	
		Sep-17	May-17	
DEBT PER CUSTOMER	Existing	\$140		
	Proposed	\$590		
OTHER DEBT	See Attached			
OTHER STATE-FUNDED PROJECTS LAST 5 YRS	See Attached			
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current - Water	4,917	\$15.43 (for 4,000 gallons)	
	Current - Sewer	4,480	\$21.16 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2014	389,717	218,984	170,733	1.8
Audited 2015	770,402	99,642	670,760	7.7
Audited 2016	1,031,961	51,219	980,742	20.1
Projected 2017	1,115,006	26,043	1,088,963	42.8
Projected 2018	1,208,029	145,743	1,062,287	8.3
Projected 2019	1,309,687	168,321	1,141,366	7.8
Projected 2020	1,418,318	168,275	1,250,043	8.4
Projected 2021	1,522,427	168,230	1,354,197	9.0

Reviewer: Ashley Adams
Date: June 1, 2017
Loan Number: B17-013

**KENTUCKY INFRASTRUCTURE AUTHORITY
INFRASTRUCTURE REVOLVING LOAN FUND (FUND "B")
CITY OF MAYFIELD F/B/O MAYFIELD ELECTRIC & WATER SYSTEMS,
GRAVES COUNTY
PROJECT REVIEW
SX21083058/WX21083041**

I. PROJECT DESCRIPTION

The City of Mayfield f/b/o Mayfield Electric & Water Systems is requesting a Fund B loan in the amount of \$849,000 for the Wastewater Treatment Plant - Screw Pump Replacement & Water Treatment Plant - New Water Well projects. This loan will fund a wastewater project as well as a drinking water project. The wastewater portion will replace two screw pumps at the Mayfield Wastewater Treatment plant that have not had major rehabilitation since they were installed in the early 1990s. The headworks will be expanded to treat a 12 MGD peak flow with headworks modifications including screening, grit removal, and influent and effluent piping modifications. The drinking water portion of the project will construct two new water wells at the Mayfield Water Treatment Plant. The current wells have reached their daily capacity.

II. PROJECT BUDGET

	Total
Engineering Fees - Design / Const	\$ 36,000
Engineering Fees - Inspection	6,000
Construction	769,000
Contingency	38,000
Total	\$ 849,000

III. PROJECT FUNDING

	Amount	%
Fund B Loan	\$ 849,000	100%
Total	\$ 849,000	100%

IV. KIA DEBT SERVICE

Amortized Loan Amount	\$	849,000
Interest Rate		0.25%
Loan Term (Years)		20
Estimated Annual Debt Service	\$	43,547
Administrative Fee (0.20%)		1,698
Total Estimated Annual Debt Service	\$	45,245

V. PROJECT SCHEDULE

Drinking Water

Bid Opening	November 2016
Construction Start	March 2017
Construction Stop	September 2017

Wastewater

Bid Opening	October 2016
Construction Start	February 2017
Construction Stop	May 2017

VI. RATE STRUCTURE

A. Customers

Customers	Water	Sewer
Residential	4,259	3,902
Commercial	658	578
Total	4,917	4,480

B. Rates

Water	Inside City		Outside City	
	Future	Current	Future	Current
Date of Last Rate Increase	01/01/18	01/01/17	01/01/18	01/01/17
Minimum	\$9.01	\$8.50	\$12.68	\$11.96
Next 2,000 Gallons/1,000	3.67	3.46	5.51	5.19
Cost for 4,000 gallons	\$16.35	\$15.43	\$23.69	\$22.35
Increase %	6.0%	6.0%	6.0%	6.0%
Affordability Index (Rate/MHI)	0.8%	0.7%	1.1%	1.0%

Sewer	Inside City		Outside City	
	Future	Current	Future	Current
Date of Last Rate Increase	01/01/18	01/01/17	09/01/17	09/01/16
Minimum	\$11.01	\$10.79	\$12.80	\$11.64
Next 2,000 Gallons/1,000	5.50	5.40	6.40	5.82
Cost for 4,000 gallons	\$22.02	\$21.58	\$25.60	\$23.28
Increase %	2.0%	2.0%	10.0%	10.0%
Affordability Index (Rate/MHI)	1.0%	1.0%	1.2%	1.1%

Rates for inside city and outside city water will increase 6% annually through January 2021. Rates for inside city sewer will increase 2% through January 2021. Rates for outside city sewer will increase 10% through July 2020. All rates will be reevaluated at the end of these time periods.

VII. DEMOGRAPHICS

Based on current Census data from the American Community Survey 5-Year Estimate 2010-2014, the Utility's service area population was 10,707 with a Median Household Income (MHI) of \$25,589. The median household income for the Commonwealth is \$43,342. The project will qualify for a 0.25% interest rate.

Year	Population		County	% Change	County Unemployment	
	City	% Change			Date	Rate
1980	10,705		34,049		June 2005	10.7%
1990	9,935	-7.2%	33,550	-1.5%	June 2010	9.2%
2000	10,349	4.2%	37,028	10.4%	June 2015	6.2%
2010	10,024	-3.1%	37,121	0.3%	June 2016	6.3%
Current	10,091	0.7%	37,451	0.9%		
Cumulative %		-5.7%		10.0%		

VIII. FINANCIAL ANALYSIS

Financial information was obtained from the audited financial statements of the Water and Sewer funds for years ended June 30, 2014 through June 30, 2016. The non-cash impact of GASB 68, Accounting and Financial Reporting for Pensions, has been removed from fiscal 2016 operating expenses (\$189 thousand). Percentage references in the History section below are based on whole dollar amounts and not the rounded amounts presented.

HISTORY

Revenues increased 19% from \$3.2 million in 2014 to \$3.8 million in 2016 due to multiple rate increases. Operating expenses decreased 2% from \$2.7 million to \$2.6 million during the same time period. The debt coverage ratio was 1.8, 7.7, and 20.1 from 2014 to 2016, respectively.

The balance sheet reflects a current ratio of 0.9, a debt to equity ratio of 0.6, and unrestricted cash equals 1.2 months of operating expenses. Days sales in accounts receivable (collection period) is not reported in this presentation because A/R is reported in the electric fund balance sheet and not available specifically for the water/sewer funds.

PROJECTIONS

Projections are based on the following assumptions:

- 1) Water and sewer revenues will be flat for volume but increase steadily through 2021 to reflect multiple rate increases approved in 2016.
- 2) Expenses will increase 2% annually for inflation.
- 3) Debt service coverage is 7.8 in 2019 when full principal and interest repayments begin.

Based on the proforma assumptions, the utility shows adequate cash flow to repay the KIA Fund B loan.

REPLACEMENT RESERVE

The annual replacement cost is \$2,100. This amount should be added to the replacement account each December 1 until the balance reaches \$42,000 and maintained for the life of the loan.

IX. DEBT OBLIGATIONS

	<u>Outstanding</u>	<u>Maturity</u>
KIA Loan (A209-13)	\$ 341,662	2031
FNB Bank (LOC)	345,876	2017
KIA Loan (C16-001) (i/a/o \$1,410,530)		
Total	\$ 687,538	

X. OTHER STATE OR FEDERAL FUNDING IN PAST FIVE YEARS

None

XI. CONTACTS

Legal Applicant	
Name	Mayfield Electric and Water Systems
Address	301 East Broadway Mayfield, KY 42066
County	Graves
Authorized Official	Kevin Leonard, Water & Wastewater Manager
Phone	270-247-4661
Email	kleonard@mewsbb.com

Project Administrator	
Name	Kevin Leonard
Title	Water & Wastewater Manager
Organization	Mayfield Electric and Water Systems
Email	kleonard@mewsbb.com
Phone	270-247-4661
Address	301 East Broadway Mayfield, KY 42066

Consulting Engineer	
Name	Joe Hinkle
Firm	Water Management Systems
Address	2 International Plaza, Suite 1 Nashville, TN 37217
Phone	615-366-6088
Email	jhinkle@wmsengineers.com

XII. RECOMMENDATIONS

KIA staff recommends approval of the loan with the standard.

**CITY OF MAYFIELD F/B/O MAYFIELD ELECTRIC AND WATER SYSTEMS
FINANCIAL SUMMARY (JUNE YEAR END)**

	<u>Audited</u> <u>2014</u>	<u>Audited</u> <u>2015</u>	<u>Audited</u> <u>2016</u>	<u>Projected</u> <u>2017</u>	<u>Projected</u> <u>2018</u>	<u>Projected</u> <u>2019</u>	<u>Projected</u> <u>2020</u>	<u>Projected</u> <u>2021</u>
Balance Sheet								
Assets								
Current Assets	459,941	684,690	1,096,572	1,314,365	1,526,822	1,755,095	2,005,104	2,275,943
Other Assets	10,108,750	10,230,619	10,961,053	12,304,182	13,620,386	14,129,627	14,725,811	15,405,317
Total	10,568,691	10,915,309	12,057,625	13,618,547	15,147,208	15,884,723	16,730,915	17,681,261
Liabilities & Equity								
Current Liabilities	1,368,019	1,267,204	1,168,137	1,189,081	1,210,703	1,232,725	1,255,150	1,278,077
Long Term Liabilities	470,731	2,638,325	3,410,310	4,241,495	5,064,774	5,038,830	5,012,662	4,986,266
Total Liabilities	1,838,750	3,905,529	4,578,447	5,430,576	6,275,477	6,271,555	6,267,812	6,264,343
Net Assets	8,729,941	7,009,780	7,479,178	8,187,971	8,871,731	9,613,167	10,463,103	11,416,918
Cash Flow								
Revenues	3,146,574	3,317,970	3,733,669	3,876,428	4,026,390	4,183,984	4,349,670	4,511,975
Operating Expenses	2,747,627	2,537,892	2,688,188	2,747,902	2,804,841	2,860,777	2,917,832	2,976,028
Other Income	(9,230)	(9,676)	(13,520)	(13,520)	(13,520)	(13,520)	(13,520)	(13,520)
Cash Flow Before Debt Service	389,717	770,402	1,031,961	1,115,006	1,208,029	1,309,687	1,418,318	1,522,427
Debt Service								
Existing Debt Service	218,984	99,642	51,219	26,043	123,120	123,076	123,030	122,985
Proposed KIA Loan	0	0	0	0	22,623	45,245	45,245	45,245
Total Debt Service	218,984	99,642	51,219	26,043	145,743	168,321	168,275	168,230
Cash Flow After Debt Service	170,733	670,760	980,742	1,088,963	1,062,287	1,141,366	1,250,043	1,354,197
Ratios								
Current Ratio	0.3	0.5	0.9	1.1	1.3	1.4	1.6	1.8
Debt to Equity	0.2	0.6	0.6	0.7	0.7	0.7	0.6	0.5
Months Operating Expenses in Unrestricted Cash	0.1	0.5	1.2	2.1	3.0	3.9	4.8	5.8
Debt Coverage Ratio	1.8	7.7	20.1	42.8	8.3	7.8	8.4	9.0

**ELECTRIC PLANT BOARD MINUTES
MAYFIELD ELCTRIC AND WATER SYSTEMS**

June 21, 2016

The Electric Plant Board met in a regular scheduled meeting on Tuesday, June 21, 2016 at 3:30 pm in the office of Mayfield Electric and Water Systems, Mayfield, KY. There were present Chairman, Wesley Greer, Vice Chairman, Chris Kendrick, Secretary-Treasurer, Tim Choate, Jana Adams, Jill Celaya, General Superintendent, Marty Ivy, Administrative Assistant, Heather Payne, and Attorney, Boyd Neely.

NEW BUSINESS

Celaya was appointed January 19, 2016 to fill Nancy Barger's unexpired term, which ended June 18, 2016. Heather Payne, Administrative Assistant, sworn in Celaya for a four-year term, which will expire June 2020.

On a motion by Kendrick, and seconded by Adams and with Greer, Choate, Celaya voting yea, and with none voting nay, Electric Plant Board approved the minutes from the May 24, 2016 meeting. Motion passed unanimously.

On a motion by Adams, and seconded by Kendrick and with Greer, Choate, Celaya voting yea, and with none voting nay, Electric Plant Board approved the winning bid for the I69 water relocation to Bobby Luttrell & Sons, LLC in the amount of \$626,347.50. Motion passed unanimously.

On a motion by Kendrick, and seconded by Adams and with Greer, Choate, Celaya voting yea, and with none voting nay, Electric Plant Board approved the winning bid for the I69 sewer relocation to Youngblood Excavating & Contracting, LLC in the amount of \$1,055,772.00. Motion passed unanimously.

On a motion by Choate, and seconded by Adams and with Greer, Kendrick, Celaya voting yea, and with none voting nay, Electric Plant Board accepted the Operational Reports as presented. Motion passed unanimously.

On a motion by Choate, and seconded by Adams and with Greer, Kendrick, Celaya voting yea, and with none voting nay, Electric Plant Board approved the purchases of a $\frac{3}{4}$ ton diesel long bed with a winning bid with Purchase Ford in the amount of \$31,763.00 and (2) two 1 ton 4WD diesel cab and chassis with a winning bid with Shelby Automotive in the amount of \$35,564.00 each. The Board rejected the first bid from all bidders for the $\frac{3}{4}$ ton 4WD diesel cab and chassis due to wrong wheelbase and also rejecting the 1 medium duty 4WD diesel cab and chassis. Shelby Automotive is taking the 1999 $\frac{1}{2}$ ton Ford pickup for \$3,000.00 and 1994 $\frac{1}{2}$ ton pickup for \$2,000.00 on trade-in. Motion passed unanimously.

On a motion by Adams, seconded by Choate with Greer, Kendrick, Celaya voting yea, and with none voting nay, Electric Plant Board approved a rate increase for water and wastewater customers as described below:

Water

All Customers

1. 6% Increase effective 01/17 – 4% capital expenses / 2% operational
2. 6% Increase effective 01/18 – 4% capital expenses / 2% operational
3. 6% Increase effective 01/19 – 4% capital expenses / 2% operational
4. 6% Increase effective 01/20 – 4% capital expenses / 2% operational
5. 6% Increase effective 01/21 – 4% capital expenses / 2% operational
6. Year 6 evaluate rates
7. \$650 Install Fee for 5/8" – 3/4" meter
8. \$1500 Install Fee for 1" – 2" meter
9. 3" and above Install Fee – Actual Cost of Installation

Sewer

All Customers

1. 2% Increase effective 01/17 - operational
2. 2% Increase effective 01/18 - operational
3. 2% Increase effective 01/19 - operational
4. 2% Increase effective 01/20 - operational
5. 2% Increase effective 01/21 - operational
6. Year 6 evaluate rates
7. Sewer Connection Fee \$1200

Outside City Customers

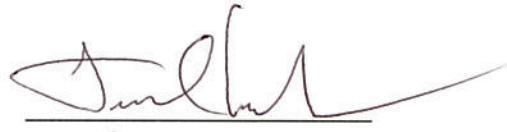
1. 10% Increase effective 07/16 – capital expenses
2. 10% Increase effective 07/17 – capital expenses
3. 10% Increase effective 07/18 – capital expenses
4. 10% Increase effective 07/19– capital expenses
5. 10% Increase effective 01/20– capital expenses
6. Year 6 evaluate rates

ANNOUNCEMENT/NOTIFICATIONS

TVA Fuel Cost Adjustment
TVA Long Range Outlook
TVPPA Monthly Report
FERC Agreement with TVA
Update on tank painting
LED lighting report
May city council report
Letter from City of Mayfield- Tree
June 27-30- CSA Annual Users Meeting
July 4- July 4th office will be closed
July 13- KPPA Board Meeting
July 19- Next regular scheduled board meeting

With no further business to come before the Board, the meeting was adjourned.


Wesley Greer, Chairman


Tim Choate, Sec/Treas.

2016

MAYFIELD ELECTRIC & WATER SYSTEMS					
2016 WATER & WASTEWATER SCHEDULE					
WATER MINIMUMS(2% + \$1.50)			SEWER MINIMUM		
METER SIZE	INSIDE CITY	OUTSIDE CITY	SEWER BILLS	\$5.29/1000 GLS + \$1.50	
5/8" METER	\$ 8.02	\$ 11.28	\$ 10.58	MINIMUM	
1" METER	\$ 14.95	\$ 21.67			
2" METER	\$ 47.66	\$ 70.75			
3" METER	\$ 95.10	\$ 141.90			
4" METER	\$ 149.20	\$ 223.04			
6" METER	\$ 344.99	\$ 516.74			
WATER RATE SCHEDULE FOR ALL METER SIZES					
	INSIDE CITY	OUTSIDE CITY			
FIRST 2,000 GALLONS (MIN)	SEE ABOVE	SEE ABOVE			
NEXT 3,000 (PER 1000 GLS)	\$ 3.2669	\$ 4.9003			
NEXT 5,000 (PER 1000 GLS)	\$ 3.0068	\$ 4.5049			
NEXT 15,000 (PER 1000 GLS)	\$ 2.6114	\$ 3.9119			
NEXT 25,000 (PER 1000 GLS)	\$ 2.2265	\$ 3.3293			
NEXT 50,000 (PER 1000 GLS)	\$ 2.1536	\$ 3.2356			
NEXT 100,000 (PER 1000 GLS)	\$ 1.9664	\$ 2.9443			
NEXT 100,000 (PER 1000 GLS)	\$ 1.8207	\$ 2.7363			
NEXT 200,000 (PER 1000 GLS)	\$ 1.6334	\$ 2.4449			
NEXT 500,000 (PER 1000 GLS)	\$ 1.4982	\$ 2.2473			
OVER 1,000,000 (PER 1000 GLS)	\$ 1.4358	\$ 2.1640			

EXECUTIVE SUMMARY		Reviewer	Ashley Adams			
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	August 2, 2018			
FUND C, GOVERNMENTAL AGENCIES FUND		KIA Loan Number	C18-001 (Increase)			
REVOLVING LOAN FUND		WRIS Number	WX21227087			
BORROWER	CITY OF BOWLING GREEN WARREN COUNTY					
BRIEF DESCRIPTION						
This is an increase to a loan approved by the board on September 1, 2017. The increase is needed to fund added scope to the project design (addition of residuals basin and piping as well as modifications to the chemical feed system).						
Original Project Description: This loan will fund the engineering fees portion of a larger water treatment plant expansion project that will be financed by bonds. The larger construction project will address growth in the City and County. This project includes the addition of a filter building with ten filters, two flash mix units, four flocculation and sedimentation basins, and expansion of an existing raw water pump station.						
PROJECT FINANCING		PROJECT BUDGET			RD Fee %	Actual %
Fund C Loan	\$4,540,000	Planning				138,026
Bonds	42,000,000	Eng - Design / Const	6.4%	7.8%		3,271,461
		Eng - Insp	4.0%	2.6%		1,080,000
		Construction				42,000,000
		Contingency				50,513
TOTAL	\$46,540,000	TOTAL				\$46,540,000
REPAYMENT	Rates	3.00%	Est. Annual Payment	\$	312,598	
	Term	20 Years	1st Payment	6 Mo. after first draw		
PROFESSIONAL SERVICES	Engineer	Smith Seckman Reid, Inc				
	Bond Counsel	Dinsmore & Shohl, LLP				
PROJECT SCHEDULE	Bid Opening	Nov-18				
	Construction Start	Jan-19				
	Construction Stop	Jan-22				
DEBT PER CUSTOMER	Existing	\$2,966				
	Proposed	\$4,330				
OTHER DEBT	See Attached					
OTHER STATE-FUNDED PROJECTS LAST 5 YRS	See Attached					
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>			
	Current	22,032	\$22.57	(for 4,000 gallons)		
	Additional	0	\$22.57	(for 4,000 gallons)		
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.					
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio		
Audited 2015	8,801,606	5,351,320	3,450,286	1.6		
Audited 2016	9,763,600	5,366,938	4,396,662	1.8		
Audited 2017	10,371,205	5,400,866	4,970,339	1.9		
Projected 2018	11,934,080	5,280,548	6,653,532	2.3		
Projected 2019	13,262,213	5,726,120	7,536,093	2.3		
Projected 2020	13,933,622	8,720,952	5,212,670	1.6		
Projected 2021	14,602,439	8,713,190	5,889,249	1.7		
Projected 2022	15,266,704	9,031,365	6,235,339	1.7		

Reviewer: Ashley Adams
Date: August 2, 2018
Loan Number: C18-001 (Increase)

**KENTUCKY INFRASTRUCTURE AUTHORITY
GOVERNMENTAL AGENCIES LOAN FUND (FUND C)
CITY OF BOWLING GREEN
F/B/O BOWLING GREEN MUNICIPAL UTILITIES, WARREN COUNTY
PROJECT REVIEW
WX21227087**

I. PROJECT DESCRIPTION

The City of Bowling Green is requesting a Fund C loan increase in the amount of \$740,000 for the Water Treatment Plant Expansion project. This increase will bring the loan total to \$4,540,000. In order to meet anticipated growth and redundancy needs in the City and County, it is necessary to upgrade the aging water treatment plant. This loan will fund all engineering costs for the project which has anticipated construction costs of around \$42 million in bond financing. The future plant design will maintain the conventional treatment process and include the addition of a filter building with ten filters, two flash mix units, four flocculation and sedimentation basins, and expansion of an existing raw water pump station. The project will be offered for bids with a base bid addition of 7.5 MGD with an additive alternate of 7.5 MGD. The renovation will potentially add 7.5-15 MGD of capacity to the current plant capacity of 30 MGD (37.5-45 MGD total).

The driving force behind the expansion is mainly to address population growth in the County. Because BGMU is the majority water provider for Warren County Water District (WCWD), they must increase capacity to continue meeting their needs. As a result of this, WCWD will actually carry approximately 85% of the debt related to this project. BGMU provides WCWD with around 8.5 MG of water on a daily basis.

BGMU services approximately 22,000 residential and commercial retail customers. They also indirectly serve an additional 25,000 customers through water sales to Warren County Water District.

II. PROJECT BUDGET

	Total
Planning	\$ 138,026
Engineering Fees - Design	2,175,069
Engineering Fees - Construction	1,096,392
Engineering Fees - Inspection	1,080,000
Construction	42,000,000
Contingency	50,513
Total	\$ 46,540,000

III. PROJECT FUNDING

	Amount	%
Fund C Loan	\$ 4,540,000	10%
Bonds	42,000,000	90%
Total	\$ 46,540,000	100%

IV. KIA DEBT SERVICE

Amortized Loan Amount	\$ 4,540,000
Interest Rate	3.00%
Loan Term (Years)	20
Estimated Annual Debt Service	\$ 303,518
Administrative Fee (0.20%)	9,080
Total Estimated Annual Debt Service	\$ 312,598
Full Project Debt Service Estimate	\$ 3,303,078

V. PROJECT SCHEDULE

Bid Opening	November 2018
Construction Start	January 2019
Construction Stop	January 2022

VI. CUSTOMER COMPOSITION AND RATE STRUCTURE

A) Customers

	Current
Residential	15,532
Commercial/Industrial	6,500
Total	22,032

B) Rates

Water	Inside City		Outside City	
	Current	Prior	Current	Prior
Date of Last Rate Increase	07/01/18	07/01/17	07/01/18	07/01/17
Customer Charge	\$6.58	\$5.73	\$9.21	\$8.02
First 2,000 cubic feet (per 100 cf)	2.99	2.90	4.18	4.05
Next 23,000 cubic feet (per 100 cf)	2.78	2.69	3.89	3.77
Next 25,000 cubic feet (per 100 cf)	2.39	2.32	3.34	3.24
Cost for 4,000 gallons	\$22.57	\$21.24	\$31.56	\$29.68
Increase %	6.3%		6.4%	
Affordability Index (Rate/MHI)	0.7%		1.0%	

Sewer	Inside City		Outside City	
	Current	Prior	Current	Prior
Date of Last Rate Increase	07/01/18	07/01/17	07/01/18	07/01/17
Customer Charge	\$6.22	\$5.42	\$8.71	\$7.59
First 2,000 cubic feet (per 100 cf)	3.72	3.61	5.22	\$5.06
Next 23,000 cubic feet (per 100 cf)	3.72	3.61	5.22	\$5.06
Next 25,000 cubic feet (per 100 cf)	3.72	3.61	5.22	\$5.06
Cost for 4,000 gallons	\$26.11	\$24.72	\$36.62	\$34.65
Increase %	5.6%		5.7%	
Affordability Index (Rate/MHI)	0.8%		1.2%	

VII. DEMOGRAPHICS

Based on current Census data from the American Community Survey 5-Year Estimate 2012-2016, the Utility's service area population was 46,601 with a Median Household Income (MHI) of \$37,709. The median household income for the Commonwealth is \$44,811.

Year	Population		County		County Unemployment	
	City	% Change	County	% Change	Date	Rate
1980	40,450		71,828		June 2005	5.4%
1990	40,641	0.5%	76,673	6.7%	June 2010	14.4%
2000	49,296	21.3%	92,522	20.7%	June 2015	5.8%
2010	58,067	17.8%	113,792	23.0%	June 2017	5.1%
Current	57,323	-1.3%	111,843	-1.7%		
Cumulative %		41.7%		55.7%		

VIII. FINANCIAL ANALYSIS

Financial information was obtained from the audited financial statements for the Bowling Green Municipal Utilities Water and Sewer Division for the years ended June 30, 2015 through 2017. The non-cash impact of GASB 68, Accounting and Financial Reporting for Pensions, has been removed from fiscal 2016 and 2017 operating expenses. Percentage references in the History section below are based on whole dollar amounts and not the rounded amounts presented.

Combined water and sewer revenues increased 10.4% from \$23.1 million in 2015 to \$25.5 million in 2017. Total revenue contributions are split almost evenly between water and sewer consistently each year and have both sustained 10%-11% growth during the audited period observed. Operating expenses increased 6% from \$14.4 million in 2015 to \$15.2 million in 2017. The debt coverage ratio was 1.6, 1.8, and 1.9 from 2015 to 2017, respectively.

The balance sheet reflects a current ratio of 1.6, a debt to equity ratio of 1.0, 37 days sales in accounts receivable, and 6 months operating expenses in unrestricted cash.

PROJECTED

Projections are based on the following assumptions:

- 1) Revenues will increase 1% for growth and reflect all approved rate increases through 2022.
- 2) Expenses will increase 2% for inflation.
- 3) Debt service for the estimated \$42 million bond issue for this project is anticipated to begin in late FY 2019 or 2020. A fair market interest rate assumption of 3.8% and a 20 year term was used to calculate debt service. Approximately 85% of this debt will end up being paid by Warren County Water District, however, the financials presentation reflects debt coverage for BGMU shouldering the entire burden.
- 4) Debt service coverage will be approximately 1.7 in 2022 when full year principal and interest payments are expected to begin.

Based on the proforma assumptions, the utility shows adequate cash flow to repay the KIA Fund C loan.

REPLACEMENT RESERVE

Because of the nature of this loan (engineering fees only), KIA will not require a replacement reserve.

IX. DEBT OBLIGATIONS

	<u>Outstanding</u>	<u>Maturity</u>
Revenue Bonds 2011/2012	\$ 8,680,000	2032
Revenue Bonds 2013	4,780,000	2024
KIA Loan (F00-01)	1,078,021	2023
KIA Loan (F02-08)	2,381,432	2028
KIA Loan (A06-08)	2,947,684	2029
KIA Loan (A08-03)	42,708,338	2033
KIA Loan (A209-21)	46,397	2031
KIA Loan (F11-16)	885,532	2033
KIA Loan (C14-001)	1,164,915	2037
KIA Loan B17-009 (\$1,156,803 Remaining)	843,197	TBD
Pension related debt to Electric Division	5,804	2037
Revenue Bonds (i/a/o \$42,000,000)	-	TBD
Total	\$ 65,521,320	

X. CONTACTS

Legal Applicant	
Entity Name	City of Bowling Green
Authorized Official	Bruce Wilkerson (Mayor)
County	Warren
Email	bruce.wilkerson@bgky.org
Phone	270-393-3640
Address	801 Center St Bowling Green, KY 42102-7300

Applicant Contact	
Name	Michael Gardner
Organization	BGMU
Email	mgardner@bgmu.com
Phone	270-782-1200 x4366
Address	801 Center St Bowling Green, KY 42102-7300

Project Administrator	
Name	Brett Jones
Organization	BGMU
Email	brett.jones@bgmu.com
Phone	270-782-1200
Address	801 Center St Bowling Green, KY 42102-7300

Consulting Engineer	
PE Name	Mike Bernard
Firm Name	Smith Seckman Reid, Inc
Email	mbernard@ssr-inc.com
Phone	615-460-0582
Address	2995 Sidco Drive Nashville, TN 37204

XI. RECOMMENDATIONS

KIA staff recommends approval of the loan with the standard conditions.

**CITY OF BOWLING GREEN
FINANCIAL SUMMARY (JUNE YEAR END)**

	<u>Audited 2015</u>	<u>Audited 2016</u>	<u>Audited 2017</u>	<u>Projected 2018</u>	<u>Projected 2019</u>	<u>Projected 2020</u>	<u>Projected 2021</u>	<u>Projected 2022</u>
Balance Sheet								
Assets								
Current Assets	7,449,372	8,776,109	10,410,158	11,304,937	12,225,730	12,848,299	13,538,848	14,263,687
Other Assets	148,545,158	147,781,196	148,555,995	151,692,735	167,541,733	181,299,732	195,666,730	194,832,395
Total	155,994,530	156,557,305	158,966,153	162,997,672	179,767,463	194,148,031	209,205,578	209,096,082
Liabilities & Equity								
Current Liabilities	6,264,617	5,655,723	6,594,685	6,690,792	6,804,308	7,609,434	7,731,387	7,784,738
Long Term Liabilities	76,142,685	74,749,173	72,658,745	72,004,526	83,062,437	94,060,423	120,495,888	100,385,105
Total Liabilities	82,407,302	80,404,896	79,253,430	78,695,318	89,866,745	101,669,857	128,227,275	108,169,843
Net Assets	73,587,228	76,152,409	79,712,723	84,302,354	89,900,718	92,478,174	80,978,303	100,926,239
Cash Flow								
Revenues	23,115,107	23,837,230	25,525,040	27,388,961	29,016,160	30,000,777	30,989,066	31,979,192
Operating Expenses	14,378,120	14,137,691	15,219,418	15,520,464	15,819,530	16,132,738	16,452,210	16,778,071
Other Income	64,619	64,061	65,583	65,583	65,583	65,583	65,583	65,583
Cash Flow Before Debt Service	8,801,606	9,763,600	10,371,205	11,934,080	13,262,213	13,933,622	14,602,439	15,266,704
Debt Service								
Existing Debt Service	5,351,320	5,366,938	5,400,866	5,280,548	5,726,120	8,720,952	8,713,190	9,031,365
Proposed KIA Loan	0	0	0	0	0	0	0	312,598
Total Debt Service	5,351,320	5,366,938	5,400,866	5,280,548	5,726,120	8,720,952	8,713,190	9,343,963
Cash Flow After Debt Service	3,450,286	4,396,662	4,970,339	6,653,532	7,536,093	5,212,670	5,889,249	5,922,741
Ratios								
Current Ratio	1.2	1.6	1.6	1.7	1.8	1.7	1.8	1.8
Debt to Equity	1.1	1.1	1.0	0.9	1.0	1.1	1.6	1.1
Days Sales in Accounts Receivable	40.7	37.0	37.4	37.4	37.4	37.4	37.4	37.4
Months Operating Expenses in Unrestricted Cash	3.8	5.1	5.9	6.3	6.8	7.0	7.3	7.8
Debt Coverage Ratio	1.6	1.8	1.9	2.3	2.3	1.6	1.7	1.7

ORDINANCE NO. BG2014 - 41

ORDINANCE AMENDING CODE OF ORDINANCES

ORDINANCE AMENDING CHAPTER 23 (WATER AND SEWER) OF THE CITY OF BOWLING GREEN CODE OF ORDINANCES RELATED TO WATER AND SEWER RATE ADJUSTMENTS AS PROPOSED BY BOWLING GREEN MUNICIPAL UTILITIES (BGMU)

WHEREAS, Bowling Green Municipal Utilities (BGMU) is proposing amendments to Chapter 23 (Water and Sewer), Subchapter 23-1 (General Provisions) related to water and sewer rate adjustments; and,

WHEREAS, it is in the best interest of the City to revise Chapter 23 (Water and Sewer) as proposed by BGMU.

NOW, THEREFORE, BE IT ORDAINED by the City of Bowling Green, Kentucky as follows:

1. Chapter 23 (Water and Sewer) is hereby amended as follows:

23-1 GENERAL PROVISIONS.

23-1.01 Schedule of Rates; Calculation of Charges.

...

b. There shall be and there are established as of ~~July 1, 2012~~ February 1, 2015 and as of July 1, 2016, 2017, 2018, 2019, 2020 and as of 2021, and thereafter, monthly rates and charges for the use of and services rendered by the combined and consolidated municipal water works and sewerage system of the City, which shall be paid by the owner or occupant of each and every residential, commercial and industrial establishment or other property, building and structure of any kind, other than water districts, connected with and being served by the combined and consolidated system. The rates and charges shall be computed and billed monthly and such rates and charges shall be as follows:

1. During the billing period February 1, 2015 through June 30, 2016, the basic

BG2014-41

(Ordinance No. BG2014 - 41)

rates shall be:

	Water Rates				Sewer Rates			
	Inside		Outside		Inside		Outside	
	<u>City</u>	<u>City</u>	<u>City</u>	<u>City</u>	<u>City</u>	<u>City</u>	<u>City</u>	<u>City</u>
Customer Charge:	[\$3.20] \$4.04	[\$4.48] \$5.66			[\$3.02] \$3.82	[\$4.32] \$5.35		
Volume charge (per ccf/month):								
First 20 ccf	[\$2.54] \$2.67	[\$3.56] \$3.74			[\$3.17] \$3.33	[\$4.44] \$4.67		
Next 230 ccf	[\$2.36] \$2.48	[\$3.30] \$3.48			[\$3.17] \$3.33	[\$4.44] \$4.67		
Over 250 ccf	[\$2.03] \$2.14	[\$2.84] \$2.99			[\$3.17] \$3.33	[\$4.44] \$4.67		

"ccf" means hundred cubic feet, or 748 gallons

2. During the billing period July 1, 2016 through June 30, 2017, the basic rates shall be:

	Water Rates		Sewer Rates	
	Inside	Outside	Inside	Outside
	<u>City</u>	<u>City</u>	<u>City</u>	<u>City</u>
Customer Charge:	\$4.89	\$6.85	\$4.62	\$6.47
Volume charge (per ccf/month):				
First 20 ccf	\$2.81	\$3.93	\$3.50	\$4.91
Next 230 ccf	\$2.61	\$3.66	\$3.50	\$4.91
Over 250 ccf	\$2.25	\$3.14	\$3.50	\$4.91

"ccf" means hundred cubic feet, or 748 gallons

3. During the billing period July 1, 2017 through June 30, 2018, the basic rates shall be:

	Water Rates		Sewer Rates	
	Inside	Outside	Inside	Outside
	<u>City</u>	<u>City</u>	<u>City</u>	<u>City</u>
Customer Charge:	\$5.73	\$8.02	\$5.42	\$7.59
Volume charge (per ccf/month):				
First 20 ccf	\$2.90	\$4.05	\$3.61	\$5.06
Next 230 ccf	\$2.69	\$3.77	\$3.61	\$5.06
Over 250 ccf	\$2.32	\$3.24	\$3.61	\$5.06

"ccf" means hundred cubic feet, or 748 gallons

4. During the billing period July 1, 2018 through June 30, 2019, the basic rates

(Ordinance No. BG2014 - 41)

shall be:

	<u>Water Rates</u>		<u>Sewer Rates</u>	
	<u>Inside</u>	<u>Outside</u>	<u>Inside</u>	<u>Outside</u>
	<u>City</u>	<u>City</u>	<u>City</u>	<u>City</u>
Customer Charge:	\$6.58	\$9.21	\$6.22	\$8.71
<u>Volume charge (per ccf/month):</u>				
First 20 ccf	\$2.99	\$4.18	\$3.72	\$5.22
Next 230 ccf	\$2.78	\$3.89	\$3.72	\$5.22
Over 250 ccf	\$2.39	\$3.34	\$3.72	\$5.22

"ccf" means hundred cubic feet, or 748 gallons

5. During the billing period July 1, 2019 through June 30, 2020, the basic rates shall be:

	<u>Water Rates</u>		<u>Sewer Rates</u>	
	<u>Inside</u>	<u>Outside</u>	<u>Inside</u>	<u>Outside</u>
	<u>City</u>	<u>City</u>	<u>City</u>	<u>City</u>
Customer Charge:	\$7.42	\$10.39	\$7.02	\$9.83
<u>Volume charge (per ccf/month):</u>				
First 20 ccf	\$2.99	\$4.18	\$3.72	\$5.22
Next 230 ccf	\$2.78	\$3.89	\$3.72	\$5.22
Over 250 ccf	\$2.39	\$3.34	\$3.72	\$5.22

"ccf" means hundred cubic feet, or 748 gallons

6. During the billing period July 1, 2020 through June 30, 2021, the basic rates shall be:

	<u>Water Rates</u>		<u>Sewer Rates</u>	
	<u>Inside</u>	<u>Outside</u>	<u>Inside</u>	<u>Outside</u>
	<u>City</u>	<u>City</u>	<u>City</u>	<u>City</u>
Customer Charge:	\$8.27	\$11.58	\$7.82	\$10.95
<u>Volume charge (per ccf/month):</u>				
First 20 ccf	\$2.99	\$4.18	\$3.72	\$5.22
Next 230 ccf	\$2.78	\$3.89	\$3.72	\$5.22
Over 250 ccf	\$2.39	\$3.34	\$3.72	\$5.22

"ccf" means hundred cubic feet, or 748 gallons

(Ordinance No. BG2014 - 41)

7. During the billing period July 1, 2021 through June 30, 2022, the basic rates shall be:

	<u>Water Rates</u>		<u>Sewer Rates</u>	
	<u>Inside</u>	<u>Outside</u>	<u>Inside</u>	<u>Outside</u>
	<u>City</u>	<u>City</u>	<u>City</u>	<u>City</u>
Customer Charge:	\$9.11	\$12.76	\$8.61	\$12.06
<u>Volume charge (per ccf/month):</u>				
First 20 ccf	\$2.99	\$4.18	\$3.72	\$5.22
Next 230 ccf	\$2.78	\$3.89	\$3.72	\$5.22
Over 250 ccf	\$2.39	\$3.34	\$3.72	\$5.22

"ccf" means hundred cubic feet, or 748 gallons

...

2. The provisions of this Ordinance are hereby declared to be severable, and if any section, phrase or provision shall for any reason be declared invalid, such declaration of invalidity shall not affect the validity of the remainder of this Ordinance.

3. All prior Municipal Orders or Ordinances or parts of any Municipal Order or Ordinance in conflict herewith are hereby repealed.

4. This Ordinance is adopted pursuant to KRS 83A.060 in that it was introduced on December 16, 2014, and given final reading on January 6, 2015, and said Ordinance shall be in full force and effect upon signature, recordation and publication in summary pursuant to KRS Chapter 424.

ADOPTED: January 6, 2015

APPROVED: Bruce Wilkerson
Mayor, Chairman of Board of Commissioners

ATTEST: Katie Shaheen
City Clerk

SPONSORED BY: Kevin D. DeFebbo, City Manager, 12/10/2014, 11:30 a.m.



MATTHEW G. BEVIN
Governor

Commonwealth of Kentucky
FINANCE AND ADMINISTRATION CABINET
Office of Financial Management
702 Capital Avenue
Suite 76
Frankfort, Kentucky 40601
(502) 564-2924
(502) 564-7416 Facsimile

WILLIAM M. LANDRUM III
Secretary

RYAN BARROW
Executive Director

July 18, 2018

Mr. Eugene Hutchins
Executive Director & Chief Executive Officer
Kentucky Higher Education Assistance Authority/
Kentucky Higher Education Student Loan Corporation
P.O. Box 798
Frankfort, KY 40602-0798

Dear Mr. Hutchins:

Pursuant to KRS 42.420, the Office of Financial Management is required to review and approve the issuance of bonds by all state agencies. The attached information constitutes our review and approval of the \$85,000,000 Kentucky Higher Education Student Loan Corporation Student Loan Revenue Bonds, Series 2018-1 (Taxable).

Sincerely,

A handwritten signature in blue ink, appearing to read "R. Barrow".

Ryan Barrow
Executive Director
Office of Financial Management

Attachments

c: David Carlsen
Kentucky Higher Education Student Loan Corporation

Kenneth Roberts
Hawkins Delafield & Wood LLP

OFM APPROVAL PURSUANT TO KRS 42.420
\$85,000,000
KENTUCKY HIGHER EDUCATION STUDENT LOAN CORPORATION
STUDENT LOAN REVENUE BONDS

SERIES: 2018-1 (Taxable)

DESCRIPTION: Bond proceeds will be used to purchase, originate, and finance Kentucky Advantage Education Loans.

PAR AMOUNT: \$85,000,000
PRICING DATE: 07/11/2018
CLOSING DATE: 07/18/2018
FINAL MATURITY: 06/01/2036
TIC: 4.51%
NIC: 4.52%
ALL-IN-TIC: 4.62%
METHOD OF SALE: Negotiated
UNDERWRITER: Bank of America Merrill Lynch
RATING: S&P: AA (sf) / BBB (sf)

SOURCES AND USES OF FUNDS:

SOURCES OF FUNDS:

Bond Proceeds	\$ 85,000,000
Corporation Contribution	<u>15,701,200</u>
Total Sources	\$ 100,701,200

USES OF FUNDS:

Corporation Contribution of Eligible Loans	\$ 15,701,200
Eligible Loans to be Financed	25,647,764
Pre-Funding Amount	56,401,036
Deposit to Debt Service Reserve Fund	1,700,000
Costs of Issuance, including Underwriter Fees	<u>1,251,200</u>
Total Uses	\$ 100,701,200

GROSS SPREAD/UNDERWRITER'S DISCOUNT:

	\$/Bond	Amount
Management Fee	\$ 3.350	\$ 284,750
Takedown	5.637	479,150
Expenses	0.130	11,050
Underwriter Counsel Fee	<u>0.550</u>	<u>46,750</u>
Total Gross Spread	\$ 9.667	\$ 821,700

PROFESSIONAL SERVICES:

Pursuant to KRS Chapter 45, the Issuer is providing information on all costs associated, either directly or indirectly, with this bond issuance. Costs are actual or estimated as of the date of closing of the issue.

<u>Firm</u>	<u>Service</u>	<u>Fee</u>
Hawkins, Delafield & Wood	Bond Counsel	\$ 85,000
SL Capital Strategies	Financial Advisor	100,000
Standard & Poors	Rating Services	95,000
Fitch	Rating Services	36,000
Office of Financial Management	OFM Fee	21,250
Bank of New York	Acceptance Fee	2,500
	Counsel Fee	25,000
Imagemaster	Printer Fee	2,750
	Investor Presentation	2,000
Misc Corporation Costs		10,000
Misc. Trustee Expense Deposit		<u>50,000</u>
TOTAL		\$ 429,500



School Facilities Construction Commission

Finance and Administration Cabinet

700 Louisville Rd

Carriage House

Frankfort, Kentucky 40601

(502) 564-5582

(888) 979-6152 Fax

www.sfcc.ky.gov

MATT BEVIN

Governor

MR. WILLIAM LANDRUM III

Secretary

DAVID PRATER

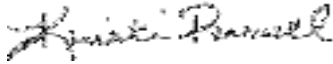
Chairman

CHELSEY BIZZLE

Executive Director

MEMORANDUM

TO: Ryan Barrow
Office of Financial Management

FROM: Kristi Russell, SFCC 

DATE: August 6, 2018

SUBJECT: Capital Projects and Bond Oversight Committee (CPBO)

The following information is submitted for consideration by CPBO at their next meeting tentatively scheduled for August 21, 2018:

Carlisle County- \$475,000 estimated – Phase II additions at the Elementary School are planned. State estimated annual debt service is \$30,150 and local is \$3,738. No tax increase is necessary to finance this project.

Corbin Independent - \$5,755,000 estimated – Renovation of Old Corbin Middle are planned. State estimated annual debt service is \$29,929 and local is \$383,565. No tax increase is necessary to finance this project.

Pike County- \$2,415,000 estimated – HVAC replacement at High School is planned. State estimated annual debt service is \$32,532 and local is \$122,822. No tax increase is necessary to finance this project.

If you or the Committee needs any additional information please feel free to contact me.



Memo

To: KSFCC
From: Lincoln Theinert
Subject: Bond Payee Disclosure Form –Carlisle County School District Series 2018
Date: August 02, 2018
cc: File

Please find enclosed a Bond Payee Disclosure Form and Plan Financing for the Carlisle County School District. Please process this issue at the next meeting of the Capital Projects and Bond Oversight Committee.

If you should have any questions or require any additional information, please do not hesitate to contact our office.

BOND PAYEE DISCLOSURE FORM

Par Amount:	\$ 475,000
Issue Name:	Carlisle County School District Finance Corporation School Building Revenue Bonds, Series 2018
Purpose:	Phase II Additionas at Carlisle Co. Elementary
Projected Sale Date of Bond:	12-Sep-18
First Call Date:	9/1/28 @ 100
Method of Sale:	Competitive Bids
Place/time of sale:	SFCC, 267 Capitol Annex, Frankfort, Ky. / 11:00 A.M.
Bond Rating:	Moodys: "A1"
Bond Counsel:	Steptoe & Johnson, Louisville, KY
Fiscal Agent:	Ross, Sinclair & Associates, Lexington, Kentucky
Date received by SFCC:	<input style="width: 100px; height: 20px;" type="text"/> <i>To be filled in by SFCC</i>
Date scheduled for Committee review:	<input style="width: 100px; height: 20px;" type="text"/> <i>To be filled in by SFCC</i>

Month Day Year

Estimated par amount of Bonds:
 % Share of total Bonds:
 Estimated average annual debt service:
 Estimated debt service reserve:

SFCC Portion	Local Portion	Total
\$ 422,608	\$ 52,392	\$ 475,000
88.97%	11.03%	
\$ 30,150	\$ 3,738	\$ 33,888
\$ 0	\$ 0	\$ 0

Estimated Cost of Issuance:

Fiscal Agent, Bond Counsel, Advertisements, Printing, Etc.
 Special Tax Counsel
 Number verifications
 Bond Rating
 Underwriter's Discount
 Bank Fee
 Total Cost of Issuance:

\$ 6,673	\$ 827	\$ 7,500
\$ 0	\$ 0	\$ 0
\$ 0	\$ 0	\$ 0
\$ 3,559	\$ 441	\$ 4,000
\$ 8,452	\$ 1,048	\$ 9,500
\$ 3,114	\$ 386	\$ 3,500
\$ 21,798	\$ 2,702	\$ 24,500

Anticipated Interest Rates:

5 Years 3.000% 10 Years 3.500% 15 Years: 3.75%
 20 Years: 3.950%

Note: No Local Tax increase is required.

Carlisle County School District

Plan of Financing

Date of Report: 8/2/2018

Local Bond Payments Outstanding	1
Summary of Funds for Bond Payments	2
Projected Bonding Potential.....	3

CARLISLE COUNTY SCHOOL DISTRICT
 OUTSTANDING NET LOCAL DEBT SERVICE

	A	B	C	D	E	F	G	H	I	J
FYE	Series 2008	Series 2009	Series 2009-REF	Series 2010-REF*	Series 2011 QZAB Escrow Deposit	2011 QZAB Reduced Rebate	Series 2014	Series 2016	Series 2016-REF	Total
2018	\$35,868	\$11,574		\$179,920	\$105,668	\$12,174	\$185	\$119,330	\$43,032	\$507,752
2019		\$10,328		\$185,600	\$105,669	\$12,174	\$185	\$122,328	\$79,493	\$515,777
2020		\$14,083		\$180,500	\$105,669	\$12,174	\$185	\$120,129	\$76,263	\$509,003
2021		\$7,631		\$185,400	\$105,669	\$12,174	\$2,198	\$120,766	\$78,033	\$511,871
2022		\$26,386			\$105,669	\$12,174	\$1,073	\$159,265	\$204,697	\$509,265
2023		\$19,311			\$105,669	\$12,174	\$121	\$161,567	\$208,658	\$507,500
2024		\$17,443			\$105,669	\$12,174	\$121	\$167,718	\$207,415	\$510,540
2025		\$20,577			\$105,668	\$12,174	\$121	\$163,074	\$211,071	\$512,685
2026		\$13,501			\$105,669	\$12,174	\$686	\$166,991	\$214,423	\$513,445
2027		\$16,633			\$105,668	\$12,174	\$102	\$166,050	\$212,249	\$512,877
2028		\$19,558			\$105,669	\$12,174	\$102	\$168,763	\$208,629	\$514,895
2029		\$22,276			\$105,669	\$12,174	\$102	\$385,473		\$525,695
2030					\$105,669	\$6,087	\$102	\$410,374		\$522,233
2031							\$811	\$521,240		\$522,051
2032							\$73	\$524,329		\$524,403
2033							\$436	\$525,315		\$525,751
2034							\$59	\$526,210		\$526,269
2035							\$1,495	\$521,086		\$522,581
2036								\$526,176		\$526,176
Totals:	\$35,868	\$199,299	\$0	\$731,420	\$1,373,696	\$152,180	\$8,159	\$5,576,185	\$1,743,963	\$9,820,769

CARLISLE COUNTY SCHOOL DISTRICT SUMMARY OF FUNDS AVAILABLE

A FYE	B Local Nickel	C Recallable Nickel	D Capital Outlay @ 80%	E FSPK	F Addti. FSPK	G Total Local Funds	H Less Current Payments	I Local Funds Available	K 2014 SFCC Offer	L 2016 SFCC Offer	M Total Funds Available
2018	\$142,557	\$142,557	\$53,649	\$119,989	\$119,989	\$578,741	(\$507,752)	\$70,989			\$70,989
2019	\$151,311	\$151,311	\$51,545	\$117,369	\$117,369	\$588,905	(\$515,777)	\$73,128	\$5,145	\$2,393	\$80,666
2020	\$151,311	\$151,311	\$51,545	\$117,369	\$117,369	\$588,905	(\$509,003)	\$79,902	\$20,580	\$9,570	\$110,052
2021	\$151,311	\$151,311	\$51,545	\$117,369	\$117,369	\$588,905	(\$511,871)	\$77,034	\$20,580	\$9,570	\$107,184
2022	\$151,311	\$151,311	\$51,545	\$117,369	\$117,369	\$588,905	(\$509,265)	\$79,640	\$20,580	\$9,570	\$109,790
2023	\$151,311	\$151,311	\$51,545	\$117,369	\$117,369	\$588,905	(\$507,500)	\$81,405	\$20,580	\$9,570	\$111,555
2024	\$151,311	\$151,311	\$51,545	\$117,369	\$117,369	\$588,905	(\$510,540)	\$78,365	\$20,580	\$9,570	\$108,515
2025	\$151,311	\$151,311	\$51,545	\$117,369	\$117,369	\$588,905	(\$512,685)	\$76,220	\$20,580	\$9,570	\$106,370
2026	\$151,311	\$151,311	\$51,545	\$117,369	\$117,369	\$588,905	(\$513,445)	\$75,460	\$20,580	\$9,570	\$105,610
2027	\$151,311	\$151,311	\$51,545	\$117,369	\$117,369	\$588,905	(\$512,877)	\$76,028	\$20,580	\$9,570	\$106,178
2028	\$151,311	\$151,311	\$51,545	\$117,369	\$117,369	\$588,905	(\$514,895)	\$74,010	\$20,580	\$9,570	\$104,160
2029	\$151,311	\$151,311	\$51,545	\$117,369	\$117,369	\$588,905	(\$525,695)	\$63,210	\$20,580	\$9,570	\$93,360
2030	\$151,311	\$151,311	\$51,545	\$117,369	\$117,369	\$588,905	(\$522,233)	\$66,673	\$20,580	\$9,570	\$96,823
2031	\$151,311	\$151,311	\$51,545	\$117,369	\$117,369	\$588,905	(\$522,051)	\$66,855	\$20,580	\$9,570	\$97,005
2032	\$151,311	\$151,311	\$51,545	\$117,369	\$117,369	\$588,905	(\$524,403)	\$64,503	\$20,580	\$9,570	\$94,653
2033	\$151,311	\$151,311	\$51,545	\$117,369	\$117,369	\$588,905	(\$525,751)	\$63,155	\$20,580	\$9,570	\$93,305
2034	\$151,311	\$151,311	\$51,545	\$117,369	\$117,369	\$588,905	(\$526,269)	\$62,636	\$20,580	\$9,570	\$92,786
2035	\$151,311	\$151,311	\$51,545	\$117,369	\$117,369	\$588,905	(\$522,581)	\$66,324	\$20,580	\$9,570	\$96,474
2036	\$151,311	\$151,311	\$51,545	\$117,369	\$117,369	\$588,905	(\$526,176)	\$62,730	\$20,580	\$9,570	\$92,880
2037	\$151,311	\$151,311	\$51,545	\$117,369	\$117,369	\$588,905	\$0	\$588,905	\$20,580	\$9,570	\$619,055
2038	\$151,311	\$151,311	\$51,545	\$117,369	\$117,369	\$588,905	\$0	\$588,905	\$20,580	\$9,570	\$619,055
2039	\$151,311	\$151,311	\$51,545	\$117,369	\$117,369	\$588,905		\$588,905	\$15,435	\$7,177	\$611,517
Totals:	\$3,320,088	\$3,320,088	\$1,136,100	\$2,584,738	\$2,584,738	\$12,945,752	(\$9,820,769)	\$3,124,983	\$411,600	\$191,400	\$3,727,983

NOTES: Data based on assessments of \$285,114,125 and ADA of 670.617 per KDE SEEK Website (FY 2017-18)
Data based on assessments of \$302,621,139 and ADA of 644.316 per KDE SEEK Website (FY 2018-19)

CARLISLE COUNTY SCHOOL DISTRICT PROJECTED AUGUST 2018 BOND ISSUE

A	B	C	D	E	F	G	H	I	J	K
Current Payments	FY June 30	Principal Payment	Coupon	Interest Payments	Total Payments	SFCC Portion	Local Portion	Projected All Local Payments Outstanding	Local Funds Available	Funds Available For Future Projects
		----- Estimated New Bond Issue -----								
\$515,777	2019			\$8,496	\$8,496	\$7,538	\$959	\$516,736	\$588,905	\$72,169
\$509,003	2020	\$15,000	3.000%	\$16,768	\$31,768	\$30,150	\$1,618	\$510,621	\$588,905	\$78,285
\$511,871	2021	\$20,000	3.000%	\$16,243	\$36,243	\$30,150	\$6,093	\$517,963	\$588,905	\$70,942
\$509,265	2022	\$20,000	3.000%	\$15,643	\$35,643	\$30,150	\$5,493	\$514,758	\$588,905	\$74,148
\$507,500	2023	\$20,000	3.000%	\$15,043	\$35,043	\$30,150	\$4,893	\$512,393	\$588,905	\$76,512
\$510,540	2024	\$20,000	3.000%	\$14,443	\$34,443	\$30,150	\$4,293	\$514,833	\$588,905	\$74,072
\$512,685	2025	\$20,000	3.500%	\$13,793	\$33,793	\$30,150	\$3,643	\$516,328	\$588,905	\$72,578
\$513,445	2026	\$20,000	3.500%	\$13,093	\$33,093	\$30,150	\$2,943	\$516,388	\$588,905	\$72,518
\$512,877	2027	\$20,000	3.500%	\$12,393	\$32,393	\$30,150	\$2,243	\$515,120	\$588,905	\$73,786
\$514,895	2028	\$20,000	3.500%	\$11,693	\$31,693	\$30,150	\$1,543	\$516,438	\$588,905	\$72,468
\$525,695	2029	\$25,000	3.500%	\$10,905	\$35,905	\$30,150	\$5,755	\$531,450	\$588,905	\$57,455
\$522,233	2030	\$25,000	3.750%	\$9,999	\$34,999	\$30,150	\$4,849	\$527,081	\$588,905	\$61,824
\$522,051	2031	\$25,000	3.750%	\$9,061	\$34,061	\$30,150	\$3,911	\$525,962	\$588,905	\$62,943
\$524,403	2032	\$25,000	3.750%	\$8,124	\$33,124	\$30,150	\$2,974	\$527,376	\$588,905	\$61,529
\$525,751	2033	\$25,000	3.750%	\$7,186	\$32,186	\$30,150	\$2,036	\$527,787	\$588,905	\$61,118
\$526,269	2034	\$30,000	3.750%	\$6,155	\$36,155	\$30,150	\$6,005	\$532,274	\$588,905	\$56,631
\$522,581	2035	\$30,000	3.800%	\$5,023	\$35,023	\$30,150	\$4,873	\$527,454	\$588,905	\$61,451
\$526,176	2036	\$30,000	3.800%	\$3,883	\$33,883	\$30,150	\$3,733	\$529,908	\$588,905	\$58,997
\$0	2037	\$30,000	3.800%	\$2,743	\$32,743	\$30,150	\$2,593	\$2,593	\$588,905	\$586,313
\$0	2038	\$30,000	3.950%	\$1,580	\$31,580	\$30,150	\$1,430	\$1,430	\$588,905	\$587,475
	2039	\$25,000	3.950%	\$494	\$25,494	\$22,612	\$2,882	\$2,882	\$588,905	\$586,024
\$9,313,017	Totals:	\$475,000		\$202,755	\$677,755	\$603,000	\$74,756	\$9,387,773	\$12,367,011	\$2,979,238

Memo

To: KSFCC
From: Lincoln Theinert
Subject: Bond Payee Disclosure Form –Corbin Independent School District Series 2018
Date: August 01, 2018
cc: File

Please find enclosed a Bond Payee Disclosure Form and Plan Financing for the Corbin Independent School District. Please process this issue at the next meeting of the Capital Projects and Bond Oversight Committee.

If you should have any questions or require any additional information, please do not hesitate to contact our office.

BOND PAYEE DISCLOSURE FORM

Par Amount:	\$ 5,755,000
Issue Name:	Corbin Independent Schools District Finance Corporation School Building Revenue Bonds, Series 2018
Purpose:	Renovation of Old Corbin Middle School
Projected Sale Date of Bond:	12-Sep-18
First Call Date:	9/1/28 @ 100
Method of Sale:	Competitive Bids
Place/time of sale:	SFCC, 267 Capitol Annex, Frankfort, Ky. / 11:00 A.M.
Bond Rating:	Moodys: "A1"
Bond Counsel:	Steptoe & Johnson, Louisville, KY
Fiscal Agent:	Ross, Sinclair & Associates, Lexington, Kentucky
Date received by SFCC:	<input type="text"/> To be filled in by SFCC
Date scheduled for Committee review:	<input type="text"/> To be filled in by SFCC

Month Day Year

Estimated par amount of Bonds:
 % Share of total Bonds:
 Estimated average annual debt service:
 Estimated debt service reserve:

SFCC Portion	Local Portion	Total
\$ 416,551	\$ 5,338,449	\$ 5,755,000
7.24%	92.76%	
\$ 29,929	\$ 383,565	\$ 413,494
\$ 0	\$ 0	\$ 0

Estimated Cost of Issuance:

Fiscal Agent, Bond Counsel, Advertisements, Printing, Etc.
 Special Tax Counsel
 Number verifications
 Bond Rating
 Underwriter's Discount
 Bank Fee
 Total Cost of Issuance:

\$ 2,607	\$ 33,413	\$ 36,020
\$ 0	\$ 0	\$ 0
\$ 0	\$ 0	\$ 0
\$ 869	\$ 11,131	\$ 12,000
\$ 8,331	\$ 106,769	\$ 115,100
\$ 253	\$ 3,247	\$ 3,500
\$ 12,060	\$ 154,560	\$ 166,620

Anticipated Interest Rates:

5 Years: 2.000% 10 Years: 3.000% 15 Years: 3.75%
 20 Years: 4.000%

Note: No Local Tax increase is required.

CORBIN INDEPENDENT SCHOOL DISTRICT

Plan of Financing

Date of Report: 8/1/2018

Local Bond Payments Outstanding	1
Summary of Funds for Bond Payments	2
Projected August 2018 Bond Issue	3

**CORBIN INDEPENDENT SCHOOL DISTRICT
OUTSTANDING NET LOCAL DEBT SERVICE**

	A	B	C	D	E	F	G	H	I	J	K	L
FYE	Series 2011	Series 2011-REF	Series 2011-QZAB	Series 2011-Rebate Shortfall	Series 2012	Series 2014-REF	2014 Obligated Land Purchase	Series 2014 QZAB	Series 2016	Series 2016-REF	Series 2018	Total
2018	\$48,585	\$1,390	\$100,032	\$14,355	\$42,135	\$511,797	\$200,000	\$43,200	\$285,460	\$1,146,079	\$156,161	\$2,393,033
2019	\$48,060	\$620	\$100,032	\$14,355	\$45,883	\$510,347		\$42,900	\$354,122	\$1,146,879	\$156,217	\$2,419,358
2020	\$47,535	\$28	\$100,032	\$14,355	\$44,458	\$508,797		\$42,600	\$355,722	\$1,152,279	\$152,217	\$2,422,024
2021	\$42,063	\$1,602	\$100,032	\$14,355	\$42,795	\$507,148		\$42,300	\$362,151	\$1,152,180	\$152,593	\$2,417,218
2022	\$46,590		\$100,032	\$14,355	\$40,896	\$500,028		\$42,000	\$362,803	\$1,156,679	\$152,834	\$2,416,217
2023	\$46,065		\$100,032	\$14,355	\$43,945	\$510,935		\$41,700	\$353,915	\$1,155,680	\$154,925	\$2,421,552
2024	\$45,540		\$100,032	\$14,355	\$41,746	\$515,060		\$41,400	\$353,685	\$1,145,279	\$154,836	\$2,415,932
2025	\$45,015		\$100,032	\$14,355	\$39,345	\$508,885		\$41,100	\$363,894	\$1,151,729	\$155,629	\$2,419,985
2026	\$103,456		\$40,526	\$14,355	\$41,886	\$497,635		\$40,800	\$367,760	\$1,158,129	\$151,318	\$2,415,865
2027	\$145,178			\$14,355	\$39,247	\$505,591		\$40,500	\$355,389	\$1,158,329	\$156,970	\$2,415,558
2028	\$146,136			\$14,355	\$41,426	\$1,722,441		\$40,200	\$362,264		\$92,308	\$2,419,130
2029	\$146,943			\$14,355	\$38,538	\$1,720,960		\$39,900	\$367,801		\$88,596	\$2,417,093
2030	\$137,749			\$7,178	\$40,370	\$1,728,304		\$39,600	\$372,807		\$91,715	\$2,417,722
2031	\$10,520				\$219,145			\$103,975	\$1,305,581		\$207,371	\$1,846,591
2032	\$10,175				\$219,995			\$103,025	\$1,305,275		\$205,761	\$1,844,231
2033					\$232,171			\$102,075	\$1,309,497		\$208,201	\$1,851,943
2034								\$334,950	\$1,306,461		\$209,637	\$1,851,048
2035								\$331,650	\$1,309,001		\$206,687	\$1,847,337
2036									\$1,338,454		\$208,844	\$1,547,298
2037											\$208,421	\$208,421
2038											\$209,071	\$209,071
Totals:	\$1,069,609	\$3,639	\$840,782	\$179,438	\$1,213,981	\$10,247,931	\$200,000	\$1,513,875	\$12,492,039	\$11,527,240	\$3,328,094	\$42,616,627

CORBIN INDEPENDENT SCHOOL DISTRICT SUMMARY OF FUNDS AVAILABLE

A	B	C	D	E	F	G	H	I	J	K	L
FYE	Local Nickel	Original Growth	Equalized Growth	Capital Outlay @ 80%	FSPK	Second FSPK	Total Local Funds	Less Current Payments	Local Funds Available	2016 SFCC Offer	Total Funds Available
2018	\$277,926	\$277,926	\$277,926	\$217,720	\$787,541	\$787,541	\$2,626,580	(\$2,393,033)	\$233,547		\$233,547
2019	\$280,000	\$280,000	\$280,000	\$217,040	\$851,321	\$851,321	\$2,759,682	(\$2,419,358)	\$340,324	\$7,482	\$347,806
2020	\$280,000	\$280,000	\$280,000	\$217,040	\$851,321	\$851,321	\$2,759,682	(\$2,422,024)	\$337,658	\$29,929	\$367,587
2021	\$280,000	\$280,000	\$280,000	\$217,040	\$851,321	\$851,321	\$2,759,682	(\$2,417,218)	\$342,464	\$29,929	\$372,393
2022	\$280,000	\$280,000	\$280,000	\$217,040	\$851,321	\$851,321	\$2,759,682	(\$2,416,217)	\$343,465	\$29,929	\$373,394
2023	\$280,000	\$280,000	\$280,000	\$217,040	\$851,321	\$851,321	\$2,759,682	(\$2,421,552)	\$338,130	\$29,929	\$368,059
2024	\$280,000	\$280,000	\$280,000	\$217,040	\$851,321	\$851,321	\$2,759,682	(\$2,415,932)	\$343,750	\$29,929	\$373,679
2025	\$280,000	\$280,000	\$280,000	\$217,040	\$851,321	\$851,321	\$2,759,682	(\$2,419,985)	\$339,697	\$29,929	\$369,626
2026	\$280,000	\$280,000	\$280,000	\$217,040	\$851,321	\$851,321	\$2,759,682	(\$2,415,865)	\$343,817	\$29,929	\$373,746
2027	\$280,000	\$280,000	\$280,000	\$217,040	\$851,321	\$851,321	\$2,759,682	(\$2,415,558)	\$344,124	\$29,929	\$374,053
2028	\$280,000	\$280,000	\$280,000	\$217,040	\$851,321	\$851,321	\$2,759,682	(\$2,419,130)	\$340,552	\$29,929	\$370,481
2029	\$280,000	\$280,000	\$280,000	\$217,040	\$851,321	\$851,321	\$2,759,682	(\$2,417,093)	\$342,589	\$29,929	\$372,518
2030	\$280,000	\$280,000	\$280,000	\$217,040	\$851,321	\$851,321	\$2,759,682	(\$2,417,722)	\$341,960	\$29,929	\$371,889
2031	\$280,000	\$280,000	\$280,000	\$217,040	\$851,321	\$851,321	\$2,759,682	(\$1,846,591)	\$913,091	\$29,929	\$943,020
2032	\$280,000	\$280,000	\$280,000	\$217,040	\$851,321	\$851,321	\$2,759,682	(\$1,844,231)	\$915,451	\$29,929	\$945,380
2033	\$280,000	\$280,000	\$280,000	\$217,040	\$851,321	\$851,321	\$2,759,682	(\$1,851,943)	\$907,739	\$29,929	\$937,668
2034	\$280,000	\$280,000	\$280,000	\$217,040	\$851,321	\$851,321	\$2,759,682	(\$1,851,048)	\$908,634	\$29,929	\$938,563
2035	\$280,000	\$280,000	\$280,000	\$217,040	\$851,321	\$851,321	\$2,759,682	(\$1,847,337)	\$912,345	\$29,929	\$942,274
2036	\$280,000	\$280,000	\$280,000	\$217,040	\$851,321	\$851,321	\$2,759,682	(\$1,547,298)	\$1,212,384	\$29,929	\$1,242,313
2037	\$280,000	\$280,000	\$280,000	\$217,040	\$851,321	\$851,321	\$2,759,682	(\$208,421)	\$2,551,261	\$29,929	\$2,581,190
2038	\$280,000	\$280,000	\$280,000	\$217,040	\$851,321	\$851,321	\$2,759,682	(\$209,071)	\$2,550,611	\$29,929	\$2,580,540
2039	\$280,000	\$280,000	\$280,000	\$217,040	\$851,321	\$851,321	\$2,759,682	\$0	\$2,759,682	\$22,447	\$2,782,129
Totals:	\$6,157,926	\$6,157,926	\$6,157,926	\$4,775,560	\$18,665,282	\$18,665,282	\$60,579,902	(\$42,616,627)	\$17,963,275	\$598,580	\$18,561,855

NOTE: Information based on current assessments of \$555,852,123 and ADA of 2,721.5 per KDE 2017-2018
Information based on current assessments of \$560,000,000 and ADA of 2,713 per KDE 2018-2019

CORBIN INDEPENDENT SCHOOL DISTRICT PROJECTED AUGUST 2018 BOND ISSUE

A Current Payments	B FY June 30	C Principal Payment	D Coupon	E Interest Payments	F Total Payments	G SFCC Portion	H Local Portion	I Projected All Local Payments Outstanding	J Local Funds Available	K Funds Available For Future Projects
\$2,419,358	2019			96,894	\$96,894	\$7,482	\$89,412	\$2,508,770	\$2,759,682	\$250,912
\$2,422,024	2020	175,000	2.000%	192,038	\$367,038	\$29,929	\$337,109	\$2,759,132	\$2,759,682	\$550
\$2,417,218	2021	180,000	2.000%	188,488	\$368,488	\$29,929	\$338,559	\$2,755,777	\$2,759,682	\$3,905
\$2,416,217	2022	185,000	2.000%	184,838	\$369,838	\$29,929	\$339,909	\$2,756,125	\$2,759,682	\$3,557
\$2,421,552	2023	185,000	2.000%	181,138	\$366,138	\$29,929	\$336,209	\$2,757,760	\$2,759,682	\$1,922
\$2,415,932	2024	195,000	2.000%	177,338	\$372,338	\$29,929	\$342,409	\$2,758,340	\$2,759,682	\$1,342
\$2,419,985	2025	195,000	3.000%	172,463	\$367,463	\$29,929	\$337,534	\$2,757,519	\$2,759,682	\$2,163
\$2,415,865	2026	205,000	3.000%	166,463	\$371,463	\$29,929	\$341,534	\$2,757,398	\$2,759,682	\$2,284
\$2,415,558	2027	210,000	3.000%	160,238	\$370,238	\$29,929	\$340,309	\$2,755,866	\$2,759,682	\$3,816
\$2,419,130	2028	215,000	3.000%	153,863	\$368,863	\$29,929	\$338,934	\$2,758,063	\$2,759,682	\$1,619
\$2,417,093	2029	225,000	3.000%	147,263	\$372,263	\$29,929	\$342,334	\$2,759,426	\$2,759,682	\$256
\$2,417,722	2030	230,000	3.500%	139,863	\$369,863	\$29,929	\$339,934	\$2,757,656	\$2,759,682	\$2,026
\$1,846,591	2031	340,000	3.500%	129,888	\$469,888	\$29,929	\$439,959	\$2,286,550	\$2,759,682	\$473,132
\$1,844,231	2032	350,000	3.500%	117,813	\$467,813	\$29,929	\$437,884	\$2,282,114	\$2,759,682	\$477,568
\$1,851,943	2033	365,000	3.750%	104,844	\$469,844	\$29,929	\$439,915	\$2,291,858	\$2,759,682	\$467,824
\$1,851,048	2034	375,000	3.750%	90,969	\$465,969	\$29,929	\$436,040	\$2,287,088	\$2,759,682	\$472,594
\$1,847,337	2035	390,000	4.000%	76,235	\$466,235	\$29,929	\$436,306	\$2,283,643	\$2,759,682	\$476,039
\$1,547,298	2036	410,000	4.000%	60,435	\$470,435	\$29,929	\$440,506	\$1,987,804	\$2,759,682	\$771,878
\$0	2037	425,000	4.000%	43,944	\$468,944	\$29,929	\$439,015	\$439,015	\$2,759,682	\$2,320,667
\$0	2038	440,000	4.000%	26,860	\$466,860	\$29,929	\$436,931	\$436,931	\$2,759,682	\$2,322,751
	2039	460,000	4.000%	9,085	\$469,085	\$22,447	\$446,638	\$446,638	\$2,759,682	\$2,313,044
	Totals:	\$5,755,000		\$2,620,953	\$8,375,953	\$576,133	\$7,330,734	\$47,136,836	\$55,193,640	\$8,056,804

Memo

To: KSFCC
From: Lincoln Theinert
Subject: Bond Payee Disclosure Form –Pike County School District Series 2018
Date: August 01, 2018
cc: File

Please find enclosed a Bond Payee Disclosure Form and Plan Financing for the Pike County School District. Please process this issue at the next meeting of the Capital Projects and Bond Oversight Committee.

If you should have any questions or require any additional information, please do not hesitate to contact our office.

BOND PAYEE DISCLOSURE FORM

Par Amount:	\$ 2,415,000
Issue Name:	Pike County School District Finance Corporation School Building Revenue Bonds, Series 2018
Purpose:	Replace HVAC at Phelps High School
Projected Sale Date of Bond:	12-Sep-18
First Call Date:	9/1/28 @ 100
Method of Sale:	Competitive Bids
Place/time of sale:	SFCC, 267 Capitol Annex, Frankfort, Ky. / 11:00 A.M.
Bond Rating:	Moodys: "A1"
Bond Counsel:	Step toe & Johnson, Louisville, KY
Fiscal Agent:	Ross, Sinclair & Associates, Lexington, Kentucky
Date received by SFCC:	<div style="border: 1px solid black; width: 80px; height: 20px; display: inline-block;"></div> <i>To be filled in by SFCC</i>
Date scheduled for Committee review:	<div style="border: 1px solid black; width: 80px; height: 20px; display: inline-block;"></div> <i>To be filled in by SFCC</i>

Month Day Year

Estimated par amount of Bonds:
 % Share of total Bonds:
 Estimated average annual debt service:
 Estimated debt service reserve:

SFCC Portion	Local Portion	Total
\$ 505,716	\$ 1,909,284	\$ 2,415,000
20.94%	79.06%	
\$ 32,532	\$ 122,822	\$ 155,354
\$ 0	\$ 0	\$ 0

Estimated Cost of Issuance:

Fiscal Agent, Bond Counsel, Advertisements, Printing, Etc.
 Special Tax Counsel
 Number verifications
 Bond Rating
 Underwriter's Discount
 Bank Fee
 Total Cost of Issuance:

\$ 4,745	\$ 17,915	\$ 22,660
\$ 0	\$ 0	\$ 0
\$ 0	\$ 0	\$ 0
\$ 1,675	\$ 6,325	\$ 8,000
\$ 10,114	\$ 38,186	\$ 48,300
\$ 733	\$ 2,767	\$ 3,500
\$ 17,268	\$ 65,192	\$ 82,460

Anticipated Interest Rates:

5 Years: 3.000% 10 Years: 3.500% 15 Years: 3.75%
 20 Years: 3.950%

Note: No Local Tax increase is required.

Pike County School District

Plan of Financing

Date of Report: 8/1/2018

Local Bond Payments Outstanding	1
Summary of Funds for Bond Payments	2
Projected August 2018 Bond Issue	3

PIKE COUNTY SCHOOL DISTRICT
OUTSTANDING NET LOCAL DEBT SERVICE

FYE	A		B		C		D		E		F		G		H		I		J		K		L		M		N		O		P		Q		R							
	Series 2006R	Series 2007B	Series 2008R	Series 2009R	Series 2010R*	Series 2010R*	Series 2010R*	Series 2009R	Series 2009R	Series 2010R*	Series 2010R*	Series 2010R*	Series 2010R*	Series 2010R*	Series 2010R*	Series 2010R*	Series 2010R*	Series 2010R*	Series 2010R*	Series 2010R*	Series 2010R*	Series 2010R*	Series 2010R*	Series 2010R*	Series 2010R*	Series 2010R*	Series 2010R*	Series 2010R*	Series 2010R*	Series 2010R*	Series 2010R*	Series 2010R*	Series 2010R*	Series 2010R*	Series 2010R*	Series 2010R*	Series 2010R*					
2018	\$312,907	\$40,356	\$112,201	\$239,865	\$752,635	\$62,641	\$33,541	\$33,541	\$1,876,075	\$1,609,325	\$189,445	\$151,085	\$296,370	\$296,370	\$118,076	\$696,297	\$696,297	\$696,297	\$696,297	\$696,297	\$696,297	\$696,297	\$696,297	\$696,297	\$696,297	\$696,297	\$696,297	\$696,297	\$696,297	\$696,297	\$696,297	\$696,297	\$696,297	\$696,297	\$696,297	\$696,297	\$696,297	\$696,297				
2019	\$314,218			\$361,962	\$748,435	\$65,196	\$33,541	\$33,541	\$1,873,213	\$1,607,825	\$191,795	\$145,485	\$297,370	\$297,370	\$155,832	\$695,196	\$695,196	\$695,196	\$695,196	\$695,196	\$695,196	\$695,196	\$695,196	\$695,196	\$695,196	\$695,196	\$695,196	\$695,196	\$695,196	\$695,196	\$695,196	\$695,196	\$695,196	\$695,196	\$695,196	\$695,196	\$695,196	\$695,196	\$695,196	\$695,196		
2020	\$363,566			\$306,424	\$828,785	\$67,473	\$33,541	\$33,541	\$1,874,575	\$1,525,825	\$192,903	\$144,985	\$296,120	\$296,120	\$156,798	\$699,096	\$699,096	\$699,096	\$699,096	\$699,096	\$699,096	\$699,096	\$699,096	\$699,096	\$699,096	\$699,096	\$699,096	\$699,096	\$699,096	\$699,096	\$699,096	\$699,096	\$699,096	\$699,096	\$699,096	\$699,096	\$699,096	\$699,096	\$699,096	\$699,096	\$699,096	
2021				\$619,499	\$841,135	\$64,413	\$33,541	\$33,541	\$1,867,550	\$1,681,688	\$192,873	\$154,485	\$299,545	\$299,545	\$141,778	\$692,896	\$692,896	\$692,896	\$692,896	\$692,896	\$692,896	\$692,896	\$692,896	\$692,896	\$692,896	\$692,896	\$692,896	\$692,896	\$692,896	\$692,896	\$692,896	\$692,896	\$692,896	\$692,896	\$692,896	\$692,896	\$692,896	\$692,896	\$692,896	\$692,896	\$692,896	\$692,896
2022					\$912,435	\$66,001	\$33,541	\$33,541	\$1,805,600	\$2,180,638	\$191,710	\$163,435	\$297,895	\$297,895	\$140,891	\$696,797	\$696,797	\$696,797	\$696,797	\$696,797	\$696,797	\$696,797	\$696,797	\$696,797	\$696,797	\$696,797	\$696,797	\$696,797	\$696,797	\$696,797	\$696,797	\$696,797	\$696,797	\$696,797	\$696,797	\$696,797	\$696,797	\$696,797	\$696,797	\$696,797	\$696,797	\$696,797
2023						\$67,393	\$33,541	\$33,541	\$1,774,100	\$3,112,900	\$191,069	\$162,085	\$296,245	\$296,245	\$153,882	\$695,587	\$695,587	\$695,587	\$695,587	\$695,587	\$695,587	\$695,587	\$695,587	\$695,587	\$695,587	\$695,587	\$695,587	\$695,587	\$695,587	\$695,587	\$695,587	\$695,587	\$695,587	\$695,587	\$695,587	\$695,587	\$695,587	\$695,587	\$695,587	\$695,587	\$695,587	
2024						\$63,688	\$33,541	\$33,541	\$1,948,663	\$1,653,150	\$304,895	\$325,735	\$412,795	\$412,795	\$848,683	\$894,395	\$894,395	\$894,395	\$894,395	\$894,395	\$894,395	\$894,395	\$894,395	\$894,395	\$894,395	\$894,395	\$894,395	\$894,395	\$894,395	\$894,395	\$894,395	\$894,395	\$894,395	\$894,395	\$894,395	\$894,395	\$894,395	\$894,395	\$894,395	\$894,395	\$894,395	
2025						\$64,836	\$33,541	\$33,541	\$2,096,050	\$2,096,050	\$574,281	\$349,435	\$639,020	\$639,020	\$872,613	\$1,861,596	\$1,861,596	\$1,861,596	\$1,861,596	\$1,861,596	\$1,861,596	\$1,861,596	\$1,861,596	\$1,861,596	\$1,861,596	\$1,861,596	\$1,861,596	\$1,861,596	\$1,861,596	\$1,861,596	\$1,861,596	\$1,861,596	\$1,861,596	\$1,861,596	\$1,861,596	\$1,861,596	\$1,861,596	\$1,861,596	\$1,861,596	\$1,861,596	\$1,861,596	\$1,861,596
2026						\$65,736	\$33,541	\$33,541	\$2,094,875	\$2,094,875	\$623,460	\$347,235	\$592,245	\$592,245	\$878,608	\$1,854,846	\$1,854,846	\$1,854,846	\$1,854,846	\$1,854,846	\$1,854,846	\$1,854,846	\$1,854,846	\$1,854,846	\$1,854,846	\$1,854,846	\$1,854,846	\$1,854,846	\$1,854,846	\$1,854,846	\$1,854,846	\$1,854,846	\$1,854,846	\$1,854,846	\$1,854,846	\$1,854,846	\$1,854,846	\$1,854,846	\$1,854,846	\$1,854,846	\$1,854,846	\$1,854,846
2027						\$66,436	\$33,541	\$33,541	\$2,096,413	\$2,096,413	\$620,180	\$349,885	\$590,845	\$590,845	\$881,444	\$1,850,345	\$1,850,345	\$1,850,345	\$1,850,345	\$1,850,345	\$1,850,345	\$1,850,345	\$1,850,345	\$1,850,345	\$1,850,345	\$1,850,345	\$1,850,345	\$1,850,345	\$1,850,345	\$1,850,345	\$1,850,345	\$1,850,345	\$1,850,345	\$1,850,345	\$1,850,345	\$1,850,345	\$1,850,345	\$1,850,345	\$1,850,345	\$1,850,345	\$1,850,345	\$1,850,345
2028						\$66,864	\$33,541	\$33,541	\$2,092,000	\$2,092,000	\$620,680	\$351,863	\$589,145	\$589,145	\$879,378	\$1,856,347	\$1,856,347	\$1,856,347	\$1,856,347	\$1,856,347	\$1,856,347	\$1,856,347	\$1,856,347	\$1,856,347	\$1,856,347	\$1,856,347	\$1,856,347	\$1,856,347	\$1,856,347	\$1,856,347	\$1,856,347	\$1,856,347	\$1,856,347	\$1,856,347	\$1,856,347	\$1,856,347	\$1,856,347	\$1,856,347	\$1,856,347	\$1,856,347	\$1,856,347	\$1,856,347
2029						\$67,017	\$33,541	\$33,541	\$3,037,000	\$3,037,000	\$628,979	\$346,240	\$591,814	\$591,814	\$894,395	\$1,709,946	\$1,709,946	\$1,709,946	\$1,709,946	\$1,709,946	\$1,709,946	\$1,709,946	\$1,709,946	\$1,709,946	\$1,709,946	\$1,709,946	\$1,709,946	\$1,709,946	\$1,709,946	\$1,709,946	\$1,709,946	\$1,709,946	\$1,709,946	\$1,709,946	\$1,709,946	\$1,709,946	\$1,709,946	\$1,709,946	\$1,709,946	\$1,709,946	\$1,709,946	\$1,709,946
2030						\$61,575	\$33,541	\$33,541	\$3,039,200	\$3,039,200	\$631,229	\$349,128	\$593,501	\$593,501	\$879,378	\$1,707,146	\$1,707,146	\$1,707,146	\$1,707,146	\$1,707,146	\$1,707,146	\$1,707,146	\$1,707,146	\$1,707,146	\$1,707,146	\$1,707,146	\$1,707,146	\$1,707,146	\$1,707,146	\$1,707,146	\$1,707,146	\$1,707,146	\$1,707,146	\$1,707,146	\$1,707,146	\$1,707,146	\$1,707,146	\$1,707,146	\$1,707,146	\$1,707,146	\$1,707,146	\$1,707,146
2031						\$63,593	\$16,771	\$16,771	\$3,037,000	\$3,037,000	\$636,760	\$344,328	\$589,254	\$589,254	\$879,378	\$1,707,347	\$1,707,347	\$1,707,347	\$1,707,347	\$1,707,347	\$1,707,347	\$1,707,347	\$1,707,347	\$1,707,347	\$1,707,347	\$1,707,347	\$1,707,347	\$1,707,347	\$1,707,347	\$1,707,347	\$1,707,347	\$1,707,347	\$1,707,347	\$1,707,347	\$1,707,347	\$1,707,347	\$1,707,347	\$1,707,347	\$1,707,347	\$1,707,347	\$1,707,347	\$1,707,347
2032									\$3,054,900	\$3,054,900	\$640,323	\$349,353	\$628,338	\$628,338	\$879,378	\$1,709,596	\$1,709,596	\$1,709,596	\$1,709,596	\$1,709,596	\$1,709,596	\$1,709,596	\$1,709,596	\$1,709,596	\$1,709,596	\$1,709,596	\$1,709,596	\$1,709,596	\$1,709,596	\$1,709,596	\$1,709,596	\$1,709,596	\$1,709,596	\$1,709,596	\$1,709,596	\$1,709,596	\$1,709,596	\$1,709,596	\$1,709,596	\$1,709,596	\$1,709,596	\$1,709,596
2033											\$642,760	\$378,703	\$974,713	\$974,713	\$879,378	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996
2034											\$647,161	\$376,378	\$974,088	\$974,088	\$879,378	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996
2035												\$383,690	\$981,656	\$981,656	\$879,378	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996
2036													\$977,400	\$977,400	\$879,378	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996
2037															\$879,378	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	
2038																\$879,378	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	\$2,442,996	

Totals: \$990,691 \$40,356 \$112,201 \$1,527,769 \$4,083,425 \$912,864 \$452,806 \$33,566,213 \$13,271,350 \$0 \$7,720,503 \$5,175,520 \$10,920,358 \$5,227,982 \$29,007,377 \$0 \$4,117,325 \$117,126,741

PIKE COUNTY SCHOOL DISTRICT SUMMARY OF FUNDS AVAILABLE

A FYE	B Local Nickel	C Category Five Nickel	D Capital Outlay @ 80%	E FSPK	F Addtl. FSPK	G Total Local Funds	H Less Current Payments	I Local Funds Available	J 2016 SFCC Offer	K Total Funds Available
2018	\$1,155,122	\$1,155,122	\$607,456	\$1,817,614	\$1,817,614	\$6,552,928	(\$6,492,839)	\$60,089		\$60,089
2019	\$1,050,000	\$1,050,000	\$592,714	\$2,039,523	\$2,039,523	\$6,771,760	(\$6,574,134)	\$197,626	\$6,506	\$204,132
2020	\$1,050,000	\$1,050,000	\$592,714	\$2,039,523	\$2,039,523	\$6,771,760	(\$6,584,291)	\$187,470	\$32,532	\$220,002
2021	\$1,050,000	\$1,050,000	\$592,714	\$2,039,523	\$2,039,523	\$6,771,760	(\$6,582,401)	\$189,359	\$32,532	\$221,892
2022	\$1,050,000	\$1,050,000	\$592,714	\$2,039,523	\$2,039,523	\$6,771,760	(\$6,585,741)	\$186,019	\$32,532	\$218,551
2023	\$1,050,000	\$1,050,000	\$592,714	\$2,039,523	\$2,039,523	\$6,771,760	(\$6,582,260)	\$189,500	\$32,532	\$222,033
2024	\$1,050,000	\$1,050,000	\$592,714	\$2,039,523	\$2,039,523	\$6,771,760	(\$6,584,644)	\$187,116	\$32,532	\$219,648
2025	\$1,050,000	\$1,050,000	\$592,714	\$2,039,523	\$2,039,523	\$6,771,760	(\$6,582,971)	\$188,789	\$32,532	\$221,321
2026	\$1,050,000	\$1,050,000	\$592,714	\$2,039,523	\$2,039,523	\$6,771,760	(\$6,581,795)	\$189,965	\$32,532	\$222,498
2027	\$1,050,000	\$1,050,000	\$592,714	\$2,039,523	\$2,039,523	\$6,771,760	(\$6,583,987)	\$187,773	\$32,532	\$220,306
2028	\$1,050,000	\$1,050,000	\$592,714	\$2,039,523	\$2,039,523	\$6,771,760	(\$6,583,205)	\$188,555	\$32,532	\$221,088
2029	\$1,050,000	\$1,050,000	\$592,714	\$2,039,523	\$2,039,523	\$6,771,760	(\$6,583,435)	\$188,325	\$32,532	\$220,857
2030	\$1,050,000	\$1,050,000	\$592,714	\$2,039,523	\$2,039,523	\$6,771,760	(\$6,583,313)	\$188,447	\$32,532	\$220,979
2031	\$1,050,000	\$1,050,000	\$592,714	\$2,039,523	\$2,039,523	\$6,771,760	(\$6,568,818)	\$202,942	\$32,532	\$235,474
2032	\$1,050,000	\$1,050,000	\$592,714	\$2,039,523	\$2,039,523	\$6,771,760	(\$6,551,727)	\$220,034	\$32,532	\$252,566
2033	\$1,050,000	\$1,050,000	\$592,714	\$2,039,523	\$2,039,523	\$4,732,237	(\$4,731,163)	\$1,074	\$32,532	\$33,607
2034	\$1,050,000	\$1,050,000	\$592,714	\$2,039,523	\$2,039,523	\$4,732,237	(\$4,730,837)	\$1,400	\$32,532	\$33,932
2035	\$1,050,000	\$1,050,000	\$592,714	\$2,039,523	\$2,039,523	\$4,732,237	(\$4,254,483)	\$477,754	\$32,532	\$510,287
2036	\$1,050,000	\$1,050,000	\$592,714	\$2,039,523	\$2,039,523	\$4,732,237	(\$3,849,438)	\$882,799	\$32,532	\$915,331
2037	\$1,050,000	\$1,050,000	\$592,714	\$2,039,523	\$2,039,523	\$4,732,237	(\$476,467)	\$4,255,770	\$32,532	\$4,288,303
2038	\$1,050,000	\$1,050,000	\$592,714	\$2,039,523	\$2,039,523	\$4,732,237		\$4,732,237	\$32,532	\$4,764,769
2039	\$1,050,000	\$1,050,000	\$592,714	\$2,039,523	\$2,039,523	\$4,732,237		\$4,732,237	\$26,026	\$4,758,263
Totals:	\$23,205,122	\$23,205,122	\$13,054,455	\$44,647,596	\$30,370,936	\$134,483,231	(\$116,647,950)	\$17,835,281	\$650,646	\$18,485,927

NOTES: Data based on assessments of \$2,310,244,583 and ADA of 7,593.196 (2017-18 Final)
Data based on assessments of \$2,100,000 and ADA of 7,408.928 (2018-19 Projection)

