# Kentucky Infrastructure Authority Projects for October 2018 Capital Projects Meeting

•	Fund A Loan				
	Loan #	Borrower	<u>Loa</u>	n Amount	County
	A15-094	City of Glasgow (Increase)	\$	5,298,000	Barren
•	Fund B Loan				
	Loan #	Borrower	<u>Loa</u>	n Amount	County
	B19-001 B19-004	City of Calvert City City of Mount Washington	\$ \$	542,900 1,599,630	Marshall Bullitt
•	Fund F Loan				
	Loan #	Borrower	<u>Loa</u>	n Amount	County

Green-Taylor Water District (Increase)

F18-005

\$

1,963,390

Taylor

EXECUTIVE SUMMARY
KENTUCKY INFRASTRUCTURE AUTHORITY
FUND A, FEDERALLY ASSISTED WASTEWATER
REVOLVING LOAN FUND

Reviewer Mei
Date Sep
KIA Loan Number A15
WRIS Number SX2

Meili Sun September 26, 2018 A15-094 (Increase) SX21009018

BORROWER	CITY OF GLASGOW		
	BARREN COUNTY		

#### **BRIEF DESCRIPTION**

This request is for a \$1,798,000 increase to a previously approved loan in the amount of \$3,500,000. The new loan total is \$5,298,000. The increase will substitute for funds that were originally committed by the Glasgow Water and Sewer Commission. The additional KIA funding will allow the Commission to use rate generated revenues for other capital projects.

This project consists of relaying and upgrading a large portion of the southside interceptor to eliminate historical SSO's and provides additional capacity for future growth. This project will consist of upgrading 5,300 feet of existing 24 inch gravity line to 42 inch line from SSO #8 (old WWTP) to existing WWTP and upgrading 9,000 feet of existing 24 inch gravity line to 36 inch from SSO #13 (500' east of KY Hwy 249) to SSO #8 (old WWTP). The project would eliminate several SSO's and reduce ongoing maintenance on an aged interceptor.

PROJECT FINANCING		PROJECT BUDGE	T RD Fee	% Actual %	
Fund A Loan Local Fund	\$5,298,000 617	Administrative Expe	enses		\$0 0
		Eng - Design / Cons	st 6.8°	% 4.9%	244,000
		Eng - Insp Construction Contingency	3.5	% 1.8%	90,000 4,513,288 451,329
TOTAL	\$5,298,617	TOTAL		=	\$5,298,617
REPAYMENT	Rate Term	0.75% 20 Years	Est. Annual Payr 1st Payment	nent 6 Mo. after t	\$195,780 first draw
PROFESSIONAL SERVICES	Engineer Bond Counsel	Cannon & Cannon, Dinsmore & Shohl,			
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	Apr-16 Jul-16 Sep-17			
DEBT PER CUSTOMER	Existing Proposed	\$2,505 \$2,513			
OTHER DEBT		See Attached			
RESIDENTIAL RATES		Users	Avg. Bill		
	Current Additional	6,098 0	\$19.60 \$19.60	, ,	

#### REGIONAL COORDINATION This project is consistent with regional planning recommendations.

	Cash Flow Before			
CASHFLOW	Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2015	3,184,971	1,101,411	2,083,560	2.9
Audited 2016	3,556,835	1,277,357	2,279,478	2.8
Audited 2017	3,689,672	1,163,031	2,526,641	3.2
Projected 2018	3,564,426	1,254,138	2,310,288	2.8
Projected 2019	3,432,180	1,382,437	2,049,744	2.5
Projected 2020	3,301,874	1,427,124	1,874,750	2.3
Projected 2021	3,168,962	1,435,875	1,733,087	2.2
Projected 2022	3,033,391	1,431,174	1,602,217	2.1

Reviewer: Meili Sun

Date: September 26, 2018

Loan Number: A15-094 Increase

# KENTUCKY INFRASTRUCTURE AUTHORITY WASTEWATER REVOLVING LOAN FUND (FUND A) CITY OF GLASGOW, BARREN COUNTY PROJECT REVIEW SX21009108

#### I. PROJECT DESCRIPTION

This request is for a \$1,798,000 increase to a previously approved loan in the amount of \$3,500,000. The new loan total is \$5,298,000. This increase will substitute for funds that were originally committed by the Glasgow Water and Sewer Commission. The project is complete and currently in the repayment phase. The additional KIA funding will allow the Commission to use rate generated revenues for other projects. The Commission will continue to make monthly repayment on the initial loan amount. Once the loan is fully disbursed, the repayment will be increased by the additional debt service from the additional funding.

The project consisted of relaying and upgrading a large portion of the southside interceptor to eliminate historical SSO's and provide additional capacity for future growth. This project upgraded 5,300 feet of existing 24 inch gravity line to 42 inch line from SSO #8 (old WWTP) to existing WWTP and upgraded 9,000 feet of existing 24 inch gravity line to 36 inch from SSO #13 (500' east of KY Hwy 249) to SSO #8 (old WWTP). The project eliminated several SSO's and reduced ongoing maintenance on an aged interceptor.

#### II. PROJECT BUDGET

	 Total
Engineering Fees - Design	\$ 244,000
Engineering Fees – Inspection	90,000
Construction	4,513,288
Contingency	 451,329
Total	\$ 5,298,617

#### III. PROJECT FUNDING

Total	\$ 5,298,617	100%	
Local Funds	617	0.01%	_
Fund A Loan	\$ 5,298,000	99.99%	
	Amount	%	

# IV. KIA DEBT SERVICE

Construction Loan	\$ 5,298,000
Interest Rate	0.75%
Loan Term (Years)	20
Estimated Annual Debt Service	\$ 285,759
Administrative Fee (0.20%)	10,596
<b>Total Estimated Annual Debt Service</b>	\$ 296,355

# V. PROJECT SCHEDULE

Bid Opening April 18, 2016 Construction Start July 29, 2016 Construction Stop September 6, 2017

# VI. CUSTOMER COMPOSITION AND RATE STRUCTURE

# A) Customers

Customers	Current
Residential	5,190
Commercial	849
Industrial	59
Total	6,098

# B) Rates

	Inside Cit	y Water	Outside City Water		
	Current	Current Prior		Prior	
Date of Last Rate Increase	08/01/16	10/01/12	08/01/16	10/01/12	
First 2,000 Gallons	\$ 8.67	\$ 8.42	\$12.39	\$12.03	
Next 18,000 Gallons	3.20	3.11	4.00	3.89	
Cost for 4,000 gallons	\$15.07	\$14.64	\$20.39	\$19.81	
Increase %	2.9%		2.9%		
Affordability Index (Rate/MHI)	0.6%		0.8%		

	Inside City Sewer		Outside C	ity Sewer
	Current	Current Prior		Prior
Date of Last Rate Increase	08/01/16	10/01/12	08/01/16	10/01/12
First 2,000 Gallons	\$11.48	\$11.15	\$14.15	\$14.15
Over 2,000 Gallons	4.06	3.95	4.80	4.80
Cost for 4,000 gallons	\$19.60	\$19.05	\$23.75	\$23.75
Increase %	2.9%		0.0%	
Affordability Index (Rate/MHI)	0.8%		0.9%	

#### VII. <u>DEMOGRAPHICS</u>

Based on current Census data from the American Community Survey 5-Year Estimate 2012-2016, the Utility's service area population was 15,071 with a Median Household Income (MHI) of \$30,064. The median household income for the Commonwealth is \$42,610 in 2015. The project will qualify for a 0.75% interest rate because the utility's service area MHI is below 80% of the State's MHI.

	Coun Unemplo	•				
Year	City	% Change	County	% Change	Date	Rate
1980	12,958		34,009		June 2005	5.2%
1990	12,351	-4.7%	34,001	0.0%	June 2010	10.8%
2000	13,019	5.4%	38,033	11.9%	June 2015	5.2%
2010	14,028	7.8%	42,173	10.9%	June 2018	4.8%
Current	14,338	2.2%	43,287	2.6%		
Cumulative %		10.6%		27.3%		

## 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, 2015 through June 30, 2017. The non-cash impact of GASB 68, Accounting and Financial Reporting for Pensions, has been removed from fiscal 2015 2016, and 2017 operating expenses. Percentage references in the History section below are based on whole dollar amounts and not the rounded amounts presented.

#### HISTORY

Combined water and sewer revenues went up 8.1% from \$9.2 million in 2015 to \$9.9 million in 2017 due to previously approved rate increases. Operating expenses increased 4.1% from \$6.0 million to \$6.3 million during the same period. Debt coverage ratio was 2.9, 2.8, and 3.2 in 2015, 2016, and 2017 respectively.

The balance sheet reflects a current ratio of 19.1, debt to equity ratio of 0.4, 21.1 days sales in accounts receivable, and 13.9 months of operating expenses in unrestricted cash.

#### **PROJECTIONS**

Projections are based on the following assumptions:

- 1) Revenues may go up as the Glasgow Water and Sewer Commission has the authority to raise rates not to exceed 3% annually through 2021 without approval from the Glasgow City Council.
- 2) Expenses will increase 2% annually for general inflation.
- 3) Debt coverage ratio is 2.3 in 2020 when full-year principal and interest repayments for the new loan total begin.

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

#### REPLACEMENT RESERVE

The replacement reserve will be 5% (\$264,000 total) of the final amount borrowed to be funded annually (\$13,200 yearly) each December 1 for 20 years and maintained for the life of the loan.

#### X. <u>DEBT OBLIGATIONS</u>

	 Jutstanding	Maturity
Revenue Bonds Series 2003A	\$ 3,015,000	2023
Revenue Bonds Series 2013	5,960,000	2043
KIA Loan C14-002	2,803,229	2035
KIA Loan A15-094 Initial	 3,500,000	2037
	\$ 15,278,229	

#### XI. CONTACTS

**Legal Applicant** 

Name City of Glasgow

Address 126 E. Public Square, PO Box 819

Glasgow, KY 42141

County Barren

Authorized Official Dick Doty, Mayor Phone (270) 651-1777

Email dickdoty@glasgow-ky.com

**Project Contact/Administrator** 

Name Jeffrey Reed

Representing Glasgow Water Company

Address PO Box 819

Glasgow, KY 42142

Phone (270) 651-3727

Email jreed@glasgowh2o.com

**Consulting Engineer** 

Name Timothy Tucker

Firm Cannon & Cannon, Inc.

Address 8550 Kingston Pike

Knoxville, TN 37919

Phone (865) 670-8555

Email ttucker@cannon-cannon.com

#### XII. RECOMMENDATIONS

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

#### CITY OF GLASGOW FINANCIAL SUMMARY (JUNE YEAR END)

THURSON COMMINENT (COME TEXAL END)	Audited 2015	Audited 2016	Audited <u>2017</u>	Projected 2018	Projected 2019	Projected 2020	Projected 2021	Projected 2022
Balance Sheet	2013	2010	2017	<u>2010</u>	2013	<u>2020</u>	2021	<u> 2022</u>
Assets								
Current Assets	6,358,268	7,932,361	8,174,228	8,405,296	8,610,270	8,797,745	8,971,054	9,131,276
Other Assets	54,670,650	55,768,591	61,292,405	60,040,790	61,607,470	61,218,656	60,702,346	60,068,252
Total =	61,028,918	63,700,952	69,466,633	68,446,086	70,217,741	70,016,402	69,673,400	69,199,528
Liabilities & Equity								
Current Liabilities	490,156	336,614	427,704	432,468	437,368	442,368	447,468	452,668
Long Term Liabilities	16,566,090	16,984,276	20,262,858	19,055,491	19,919,722	18,978,863	18,020,099	17,046,153
Total Liabilities	17,056,246	17,320,890	20,690,562	19,487,959	20,357,090	19,421,231	18,467,567	17,498,821
Net Assets	43,972,672	46,380,062	48,776,071	48,958,127	49,860,651	50,595,171	51,205,833	51,700,707
Cash Flow								
Revenues	9,174,418	9,588,623	9,918,064	9,918,064	9,918,064	9,918,064	9,918,064	9,918,064
Operating Expenses	6,011,558	6,059,491	6,262,311	6,387,557	6,519,803	6,650,109	6,783,021	6,918,592
Other Income	22,111	27,703	33,919	33,919	33,919	33,919	33,919	33,919
Cash Flow Before Debt Service	3,184,971	3,556,835	3,689,672	3,564,426	3,432,180	3,301,874	3,168,962	3,033,391
Debt Service								
Existing Debt Service	1,101,411	1,277,357	1,163,031	1,254,138	1,332,149	1,326,549	1,335,300	1,330,599
Proposed KIA Loan A15-094 Increase	0	0	0	0	50,288	100,575	100,575	100,575
Total Debt Service	1,101,411	1,277,357	1,163,031	1,254,138	1,382,437	1,427,124	1,435,875	1,431,174
Cash Flow After Debt Service	2,083,560	2,279,478	2,526,641	2,310,288	2,049,744	1,874,750	1,733,087	1,602,217
Ratios								
Current Ratio	13.0	23.6	19.1	19.4	19.7	19.9	20.0	20.2
Debt to Equity	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3
Days Sales in Accounts Receivable	20.9	21.1	21.1	21.1	21.1	21.1	21.1	21.1
Months Operating Expenses in Unrestricted Cash	11.2	13.7	13.9	14.0	14.1	14.2	14.2	14.2
Debt Coverage Ratio	2.9	2.8	3.2	2.8	2.5	2.3	2.2	2.1

# EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY FUND B, INFRASTRUCTURE REVOLVING LOAN FUND

Reviewer Date KIA Loan Number WRIS Number Melissa Rife September 26, 2018 B19-001 WX21035006

BORROWER	CITY OF CALVERT CITY
	MARSHALL COUNTY

#### **BRIEF DESCRIPTION**

This project will increase flows, improve pressure, allow accessibility, and reduce the maintenance burden of the system by replacing the aged and undersized CIP mains located along the rear of the properties in the project area with 4,350 linear feet of 6 inch and 8 inch PVC and DIP water mains.

PROJECT FINANCING		PROJECT BUDGET	RD Fee %	Actual %	
Fund B Loan Local Funds	\$542,900 67,900	Administrative Expense Legal Expenses Land, Easements Planning		0.00/	\$25,000 2,500 4,000 7,800
		Eng - Design / Const Eng - Insp Eng - Other Construction Contingency	10.3% 7.4%		43,800 29,300 6,700 447,000 44,700
TOTAL	\$610,800	TOTAL		•	\$610,800
REPAYMENT	Rate Term		Est. Annual Pa 1st Payment	•	\$34,154 draw
PROFESSIONAL SERVICES	Engineer Bond Counsel	Rivercrest Engineering Dinsmore & Shohl, LLF	•		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	August 2018 October 2018 June 2019			
DEBT PER CUSTOMER	Existing Proposed	\$840 \$1,016			
OTHER DEBT		See Attached			
OTHER STATE-FUNDED PRO	DJECTS LAST 5 YRS	See Attached			
RESIDENTIAL RATES		<u>Users</u>	Avg Water Bill	Avg Sewer Bill	

#### REGIONAL COORDINATION This project is consistent with regional planning recommendations.

CACHELOW	Cash Flow Before	Daht Camina	Cook Flow After Dokt Comice	Cavarana Batia
CASHFLOW	Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2015	606,775	143,840	462,935	4.2
Audited 2016	580,070	139,126	440,944	4.2
Audited 2017	427,648	156,966	270,682	2.7
Projected 2018	433,026	172,312	260,714	2.5
Projected 2019	438,511	182,437	256,074	2.4
Projected 2020	444,106	194,035	250,071	2.3
Projected 2021	448,413	225,249	223,164	2.0
Projected 2022	454,234	158,838	295,396	2.9

Reviewer: Melissa Rife

Date: September 26, 2018

Loan Number: B19-001

# KENTUCKY INFRASTRUCTURE AUTHORITY INFRASTRUCTURE REVOLVING LOAN FUND (FUND B) CITY OF CALVERT CITY, MARSHALL COUNTY PROJECT REVIEW WX21035006

#### I. PROJECT DESCRIPTION

The City of Calvert City is requesting a Fund B loan in the amount of \$542,900 for the Heights Phase IV Water Main Replacement – Cherry & Cedar Streets project. This project will increase flows, improve pressure, allow accessibility, and reduce the maintenance burden of the system by replacing the aged and undersized CIP mains located along the rear of the properties in the project area with 4,350 linear feet of 6 inch and 8 inch PVC and DIP water mains.

#### II. PROJECT BUDGET

	Total
Administrative Expenses	\$ 25,000
Legal Expenses	2,500
Land, Easements	4,000
Planning	7,800
Engineering Fees - Design	28,600
Engineering Fees - Construction	15,200
Engineering Fees - Inspection	29,300
Engineering Fees - Other	6,700
Construction	447,000
Contingency	 44,700
Total	\$ 610,800

#### III. PROJECT FUNDING

Total	\$ 610,800	100%	
Local Funds	67,900	11%	
Fund B Loan	\$ 542,900	89%	
	Amount	%	

# IV. KIA DEBT SERVICE

Construction Loan	\$ 542,900
Less: Principal Forgiveness	 0
Amortized Loan Amount	\$ 542,900
Interest Rate	2.00%
Loan Term (Years)	20
Estimated Annual Debt Service	\$ 33,069
Administrative Fee (0.20%)	 1,086
<b>Total Estimated Annual Debt Service</b>	\$ 34,154

# V. PROJECT SCHEDULE

Bid Opening August 2018
Construction Start Construction Stop June 2019

# VI. RATE STRUCTURE

# A. <u>Customers</u>

Customers	Current	Proposed	Total
Residential	1,290	0	1,290
Commercial	239	0	239
Industrial	23	0	23
Total	1,552	0	1,552

# B. Rates

WATER	Curi	rent	Prior	
Date of Last Rate Increase	1/1/2	2018	1/1/2	2017
City Water Rates				
Rate per 4,000 Gallons	\$	14.95	\$	14.50
Increase %		3.1%		
Affordability Index (Rate/MHI)		0.4%		0.4%
Out of City Water Rates				
Rate per 4,000 Gallons	\$	22.57	\$	21.87
Increase %		3.2%		
Affordability Index (Rate/MHI)		0.7%		0.6%

Rates will be adjusted annually on January 1 based on the percent change in CPI-U for Water and Sewer and Trash Collection Services.

SEWER	Current		Prior	
Date of Last Rate Increase	1/1/2	2018	1/1/2	2017
City Sewer Rates				
Rate per 4,000 Gallons	\$	28.09	\$	27.23
Increase %		3.2%		
Affordability Index (Rate/MHI)		0.8%		0.8%
Out of City Sewer Rates				
Rate per 4,000 Gallons	\$	42.19	\$	40.88
Increase %		3.2%		
Affordability Index (Rate/MHI)		1.3%		1.2%

Rates will be adjusted annually on January 1 based on the percent change in CPI-U for Water and Sewer and Trash Collection Services.

#### VII. <u>DEMOGRAPHICS</u>

Based on current Census data from the American Community Survey 5-Year Estimate 2012-2016, the Utility's service area population was 43,554 with a Median Household Income (MHI) of \$40,463. The median household income for the Commonwealth is \$44,811. The project will qualify for a 2.00% interest rate.

Population					Unemploy	ment
Year	City	% Change	County	% Change	Date	Rate
1980	2,388		25,637		June 2005	6.5%
1990	2,531	6.0%	27,205	6.1%	June 2010	9.8%
2000	2,701	6.7%	30,125	10.7%	June 2015	5.3%
2010	2,566	-5.0%	31,448	4.4%	June 2017	6.5%
Current	2,544	-0.9%	31,213	-0.7%		
Cumulative %		6.5%		21.7%		

#### VIII. FINANCIAL ANALYSIS

Financial information was obtained from the audited financial statements for the years ended June 30, 2015 through June 30, 2017. The non-cash impact of GASB 68, Accounting and Financial Reporting for Pensions, has been removed from operating expenses for fiscal years 2015 (-\$4,824),2016 (-\$14,656), and 2017 (-\$29,966).

Percentage references in the History section below are based on whole dollar amounts and not the rounded amounts presented

#### **HISTORY**

Operating revenues decreased 4.0% from \$1.70 million in 2015 to \$1.63 million in 2017. Operating expenses increased 2.7% from \$1.27 million in 2015 to \$1.31 million in 2017. The debt coverage ratio was 4.2 in 2015, 4.2 in 2016, and 2.7 in 2017.

On January 1, 2017, the utility began adjusting rates for inflation using CPI-U for Water and Sewer and Trash Collection Services rather than CPI-U for South Urban. CPI-U for Water and Sewer and Trash Collection Services is generally higher than CPI-U for South Urban. The change in the index used will minimize future revenue decreases. The City's utility board is conscious of the system's finances and will recommend rate changes if needed to adequately fund the system's expenses. At this time, the system's expenses are adequately met and the debt coverage ratio exceeds KIA's requirements.

The 2017 balance sheet shows a debt coverage ratio of 2.7, current ratio of 6.1, debt to equity ratio of 0.2, 56.5 days of sales in accounts receivable, and 13.4 months of operating expenses in unrestricted cash.

#### **AUDIT INFORMATION**

#### Opinion:

2015: Unqualified 2016: Unqualified 2017: Unqualified

#### Internal Control Over Financial Reporting:

2015: Auditor did not identify any deficiencies in internal control considered to be a material weakness.

2016: Auditor did not identify any deficiencies in internal control considered to be a material weakness.

2017: Auditor did not identify any deficiencies in internal control considered to be a material weakness.

#### Compliance and Other Matters

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

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

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

#### **PROJECTIONS**

Projections are based on the following assumptions:

1) Since water and sewer rates are adjusted each January 1 for inflation,

- revenues are projected to increase by the inflationary estimate of 2%.
- 2) Operating expenses are projected to increase 2% each year for inflation.
- 3) Debt service coverage is 2.3 in 2020 when principal and interest payments are expected to begin.

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

#### REPLACEMENT RESERVE

The replacement reserve will be 5% (\$28,000 total) of the final amount borrowed to be funded annually (\$1,400 yearly) each December 1 for 20 years and maintained for the life of the loan.

### IX. <u>DEBT OBLIGATIONS</u>

	 Outstanding	Maturity
KLC Capital Lease	\$ 480,000	2021
KIA A209-07	359,931	2031
KIA B17-004	 463,537	2037
Total	\$ 1,303,468	

# X. CONTACTS

Legal Applicant	
Name	City of Calvert City
Address	P.O. Box 36
	Calvert City, KY 42029
County	Marshall
Authorized Official	Lynn Jones, Mayor
Phone	270-395-4124
Email	l.jones@calvertccc.com

Project Contact - Appl	icant
Name	Roger Colburn
Representing	City of Calvert City
Address	P.O. Box 36
	Calvert City, KY 42029
Phone	270-395-7138
Email	rcolburn@calvertcity.com

**Project Administrator** 

Name City of Calvert City

Address P.O. Box 36

Calvert City, KY 42029

Contact Roger Colburn
Phone 270-395-7138

Email rcolburn@calvertcity.com

**Consulting Engineer** 

Name Charles D. McCann

Firm Rivercrest Engineering Incorporated

Address 7020 US Highway 68 West

Paducah, KY 42003

Phone 618-521-5421

Email cmccann@rivercresteng.com

# XI. <u>RECOMMENDATIONS</u>

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

#### CITY OF CALVERT CITY FINANCIAL SUMMARY (JUNE YEAR END)

FINANCIAL SUMMARY (JUNE YEAR END)								
	Audited	Audited	Audited	Projected	Projected	Projected	Projected	Projected
	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>
Balance Sheet								
Assets								
Current Assets	2,540,815	1,798,519	1,780,426	1,791,368	1,847,583	1,902,697	1,952,530	2,016,909
Other Assets	11,388,917	12,231,345	12,568,460	12,130,942	12,466,967	12,172,120	11,855,747	11,597,160
Total	13,929,732	14,029,864	14,348,886	13,922,310	14,314,550	14,074,817	13,808,277	13,614,069
Liabilities & Equity								
Current Liabilities	298,928	230,163	293,602	304,891	307,739	330,626	273,545	216,599
Long Term Liabilities	1,739,381	1,572,671	1,879,744	1,728,902	2,131,082	1,969,175	1,866,049	1,821,669
Total Liabilities	2,038,309	1,802,834	2,173,346	2,033,793	2,438,821	2,299,801	2,139,594	2,038,268
Net Assets	11,891,423	12,227,030	12,175,540	11,888,517	11,875,729	11,775,016	11,668,683	11,575,801
Cash Flow								
Revenues	1,695,555	1,658,089	1,626,889	1,658,402	1,690,545	1,723,331	1,756,773	1,790,884
Operating Expenses	1,272,475	1,196,257	1,306,770	1,332,905	1,359,563	1,386,754	1,415,889	1,444,179
Other Income	183,695	118,238	107,529	107,529	107,529	107,529	107,529	107,529
Cash Flow Before Debt Service	606,775	580,070	427,648	433,026	438,511	444,106	448,413	454,234
Debt Service								
Existing Debt Service	143,840	139,126	156,966	172,312	182,437	176,958	191,095	124,684
Proposed KIA Loan	0	0	0	0	0	17,077	34,154	34,154
Total Debt Service	143,840	139,126	156,966	172,312	182,437	194,035	225,249	158,838
Cash Flow After Debt Service	462,935	440,944	270,682	260,714	256,074	250,071	223,164	295,396
Ratios								
Current Ratio	8.5	7.8	6.1	5.9	6.0	5.8	7.1	9.3
Debt to Equity	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2
Days Sales in Accounts Receivable	54.8	60.6	56.5	56.5	56.5	56.5	56.5	56.5
Months Operating Expenses in Unrestricted Cash	20.7	14.9	13.4	13.6	13.8	14.0	14.1	14.3
Debt Coverage Ratio	4.2	4.2	2.7	2.5	2.4	2.3	2.0	2.9

# EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY FUND B, INFRASTRUCTURE REVOLVING LOAN FUND

Reviewer
Date
KIA Loan Number
WRIS Number

Meili Sun September 26, 2018 B19-004 WX21029293

BORROWER CITY OF MOUNT WASHINGTON BULLITT COUNTY

#### **BRIEF DESCRIPTION**

The City of Mount Washington is requesting a Fund B loan in the amount of \$1,599,630 for the Bardstown Road Water Main Replacement project. This project will replace 6,625 feet of old 6-inch asbestos-cement water main with a new 12-inch PVC water main to improve flow for residential and commercial customers and for the public schools. It will help with fire hydrant flow for the fire department, which has been experiencing volume problems in this part of the City. The project will also replace 114 service connections, new valves, and replace 14 old fire hydrants.

PROJECT FINANCING		PROJECT BUDGET	RD Fee %	Actual %	
Fund B Loan	\$1,599,630	Administrative Expense Eng - Design / Const Eng - Insp Construction Contingency	s 8.3% 5.2%		\$0 117,640 48,000 1,303,590 130,400
TOTAL	\$1,599,630	TOTAL			\$1,599,630
REPAYMENT	Rate Term		est. Annual Payme	ent 6 Mo. after fir	\$110,141 st draw
PROFESSIONAL SERVICES	Engineer Bond Counsel	Kentucky Engineering G Dinsmore & Shohl, LLP			
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	Nov-18 Nov-18 Jul-19			
DEBT PER CUSTOMER	Existing Proposed	\$1,142 \$1,364			
OTHER DEBT		See Attached			
RESIDENTIAL RATES	Current Additional	<u>Users</u> 9,855 0	Avg. Bill \$29.88 \$29.88	(for 4,000 gal (for 4,000 gal	

#### REGIONAL COORDINATION This project is consistent with regional planning recommendations.

	Cash Flow Before			
CASHFLOW	Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2015	2,166,275	1,049,642	1,116,633	2.1
Audited 2016	2,740,658	1,397,959	1,342,699	2.0
Audited 2017	2,641,961	1,226,542	1,415,419	2.2
Projected 2018	2,866,203	1,341,015	1,525,189	2.1
Projected 2019	3,102,453	1,216,556	1,885,898	2.6
Projected 2020	3,338,684	1,510,526	1,828,159	2.2
Projected 2021	3,600,672	1,563,118	2,037,554	2.3
Projected 2022	3,876,442	1,564,887	2,311,555	2.5

Reviewer: Meili Sun

Date: September 26, 2018

Loan Number: B19-004

# KENTUCKY INFRASTRUCTURE AUTHORITY INFRASTRUCTURE REVOLVING LOAN FUND (FUND B) CITY OF MOUNT WASHINGTON, BULLITT COUNTY PROJECT REVIEW WX21029293

#### I. PROJECT DESCRIPTION

The City of Mount Washington is requesting a Fund B loan in the amount of \$1,599,630 for the Bardstown Road Water Main Replacement project. This project will replace 6,625 feet of old 6-inch asbestos-cement water main with a new 12-inch PVC water main to improve flow for residential and commercial customers and for the public schools. This will help with fire hydrant flow for the fire department, which has been experiencing volume problems in this part of the City. The project will also replace 114 service connections, new valves, and replace 14 old fire hydrants.

## II. PROJECT BUDGET

	Total
Engineering Fees – Design	\$ 101,740
Engineering Fees – Construction	15,900
Engineering Fees – Inspection	48,000
Construction	1,303,590
Contingency	130,400
Total	\$ 1,599,630

## III. PROJECT FUNDING

	Amount	%
KIA Fund B Loan	\$ 1,599,630	100
Total	\$ 1,599,630	100

## IV. KIA DEBT SERVICE

Amortized Loan Amount	\$ 1,599,630
Interest Rate	3.00%
Loan Term	 20
Estimated Annual Debt Service	\$ 106,942
Administrative Fee (0.20%)	 3,199
Annual Debt Service	\$ 110,141

# V. PROJECT SCHEDULE

Bid Opening November 2018
Construction Start November 2018

Construction Stop July 2019

# **VI. RATE STRUCTURE**

# A. Customers

Customers	Current
Residential	9,349
Commercial	506
Total	9,855

#### B. Rates

	City Water		Rural Water		Sewer	
	Current	Prior	Current	Prior	Current	Prior
Date of Rate Increase	07/01/18	07/01/17	07/01/18	07/01/17	07/01/18	07/01/17
First 2,499 Gallons	\$21.60	\$20.71	24.17	23.17	\$21.60	\$20.71
Over 2,499 Gallons	5.52	5.20	6.87	6.59	5.52	5.20
Cost for 4,000 gallons	\$29.88	\$28.51	\$34.48	\$33.06	\$29.88	\$28.51
Increase %	4.8%		4.3%		4.8%	
Affordability Index (Rate/MHI)	0.5%		0.6%		0.5%	

#### VII. <u>DEMOGRAPHICS</u>

Based on current Census data from the American Community Survey 5-Year Estimate 2012-2016, the Utility's service area population was 19,320 with a Median Household Income (MHI) of \$65,331. The median household income for the Commonwealth is \$44,881. The project will qualify for a 3.00% interest rate.

Population					Coun Unemplo	•
Year	City	% Change	County	% Change	Date	Rate
1980	3,997		43,346		June 2005	5.4%
1990	5,226	30.7%	47,567	9.7%	June 2010	14.4%
2000	8,485	62.4%	61,236	28.7%	June 2015	5.8%
2010	9,117	7.4%	74,319	21.4%	June 2018	5.1%
Current	14,088	54.5%	77,727	4.6%		
Cumulative %		252.5%		79.3%		

#### VIII. FINANCIAL ANALYSIS

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

#### **HISTORY**

Combined water and sewer revenues went up 21.0% from \$6.4 million in 2015 to \$7.7 million in 2017 due to previously approved rate increases and volume increase. Operating expenses increased 21.1% from \$4.2 million to \$5.1 million during the same period due to higher water purchase, personnel, and maintenance/repair costs. Debt coverage ratio was 2.1, 2.0, and 2.2 in 2015, 2016, and 2017 respectively.

The balance sheet reflects a current ratio of 7.6, debt to equity ratio of 0.8, 29.2 days sales in accounts receivable, and 22.7 months of operating expenses in unrestricted cash.

#### **PROJECTIONS**

Projections are based on the following assumptions:

- 1) Combined revenues will go up automatically each year based on the Louisville Water Company's wholesale rate and the Consumer Pricing Index. The estimated increase is 4.3%.
- 2) The City purchases water exclusively from the Louisville Water Company. The history of wholesale rates indicates an average of 2.3% increase each year.
- 3) Operating expenses other than water purchase will increase 2% annually for general inflation.
- 4) In June, 2018, the City used available cash to pay off KIA B11-05 loan prior its 2034 maturity date. Debt coverage ratio is 2.3 in 2021 when full year principal and interest repayments begin. The calculation excluded B11-05 loan balance in the amount of \$121,108.

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

#### REPLACEMENT RESERVE

The replacement reserve will be 5% (\$80,000 total) of the final amount borrowed to be funded annually (\$4,000 yearly) each December 1 for 20 years and maintained for the life of the loan.

# IX. DEBT OBLIGATIONS

	Outstanding	Maturity
2012 Series Bonds	\$ 3,475,420	2023
KIA A09-03 Loan	7,653,638	2033
KIA B11-05 Loan i.a.o. \$121,108 paid off		2034
KIA C17-002 Loan i.a.o. \$3,437,500		TBD
	\$ 11,129,058	

# X. CONTACTS

Legal Applicant	
Name	City of Mount Washington
Address	275 Snapp St, PO Box 285
	Mount Washington, KY 40047
County	Bullitt
Authorized Official	Barry Armstrong, Mayor
Phone	(502) 538-4216
Email	barmstrong@mtwkv.org

Project Contact - Applican	t
Name	Ronnie Fick
Representing	City of Mount Washington
Address	275 Snapp St, PO Box 285
	Mount Washington, KY 40047
Phone	(502) 538-3771
Email	rfick@mtwky.org

Project Administrator	
Name	Kentucky Engineering Group, PLLC
Address	PO Box 1034
	Versailles, KY 40383
Contact	Holly Nicholas
Phone	(859) 333-9742
Email	hnicholas@kyengr.com

**Consulting Engineer** 

Name Robert E Taylor, Jr

Firm Kentucky Engineering Group, PLLC

Address PO Box 1034

Versailles, KY 40383

Phone (859) 251-4127

Email rtaylor@kyengr.com

# XI. RECOMMENDATIONS

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

# CITY OF MOUNT WASHINGTON FINANCIAL SUMMARY (JUNE YEAR END)

FINANCIAL SUMMARY (JUNE YEAR END)	Audited	Audited	Audited	Projected	Projected	Projected	Projected	Projected
	2015	2016	2017	2018	2019	2020	2021	2022
Balance Sheet	2013	2010	2017	2010	2013	2020	2021	LULL
Assets								
Current Assets	8,066,443	9,284,018	10,356,823	11,908,495	13,821,992	15,678,951	17,746,605	20,089,560
Other Assets	25,369,821	24,754,780	24,725,206	24,478,620	28,590,338	30,924,534	31,728,436	32,778,939
Total	33,436,264	34,038,798	35,082,029	36,387,114	42,412,330	46,603,485	49,475,041	52,868,499
Liabilities & Equity								
Current Liabilities	1,660,776	1,438,418	1,355,094	1,371,282	1,401,260	1,427,269	1,458,170	1,485,126
Long Term Liabilities	14,379,695	14,126,290	14,031,148	13,087,537	15,437,228	16,166,280	15,150,781	14,113,526
Total Liabilities	16,040,471	15,564,708	15,386,242	14,458,819	16,838,488	17,593,549	16,608,951	15,598,652
Net Assets	17,395,793	18,474,090	19,695,787	21,928,295	25,573,842	29,009,936	32,866,090	37,269,847
Cash Flow								
Revenues	6,362,320	7,255,455	7,703,943	8,035,212	8,380,726	8,741,098	9,116,965	9,508,994
Operating Expenses	4,243,894	4,582,239	5,143,015	5,250,042	5,359,306	5,483,447	5,597,326	5,713,585
Other Income	47,849	67,442	81,033	81,033	81,033	81,033	81,033	81,033
Cash Flow Before Debt Service	2,166,275	2,740,658	2,641,961	2,866,203	3,102,453	3,338,684	3,600,672	3,876,442
Debt Service								
Existing Debt Service	1,049,642	1,397,959	1,226,542	1,341,015	1,216,556	1,455,455	1,452,977	1,454,746
Proposed KIA Loan	0	0	0	0	0	55,071	110,141	110,141
Total Debt Service	1,049,642	1,397,959	1,226,542	1,341,015	1,216,556	1,510,526	1,563,118	1,564,887
Cash Flow After Debt Service	1,116,633	1,342,699	1,415,419	1,525,189	1,885,898	1,828,159	2,037,554	2,311,555
Ratios								
Current Ratio	4.9	6.5	7.6	8.7	9.9	11.0	12.2	13.5
Debt to Equity	0.9	0.8	0.8	0.7	0.7	0.6	0.5	0.4
Days Sales in Accounts Receivable	22.0	38.5	29.2	29.2	29.2	29.2	29.2	29.2
Months Operating Expenses in Unrestricted Cash	21.7	22.3	22.7	25.7	29.4	32.9	36.6	40.7
Debt Coverage Ratio	2.1	2.0	2.2	2.1	2.6	2.2	2.3	2.5

# EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY FUND F, FEDERALLY ASSISTED DRINKING WATER REVOLVING LOAN FUND

Reviewer
Date
KIA Loan Number
WRIS Number

Ashley Adams September 27, 2018 F18-005 (Increase) WX21217027

BORROWER GREEN-TAYLOR WATER DISTRICT TAYLOR COUNTY

#### **BRIEF DESCRIPTION**

This is a Director Level Increase in the amount of \$121,319. The need for the increase is due to bids coming in higher than expected in the original budget estimate.

Original Project Description: This project will replace problematic mains and utilize loops in order to allow for better water turnover and the elimination of disinfection byproducts. Two new loops will be created, one around HWY 323 and another around Bloyds Poplar Grove Road, and an existing loop will be updated on Old Greensburg Road. There will also be improvements in the Summersville community and the Shalawn subdivision where there have been line breaks and considerable water loss. This project as a whole will improve service to over 200 customers as well as provide service to around 42 new customers who have requested water service for several years.

PROJECT FINANCING		PROJECT BUDGET	RD Fee %	Actual %	
Fund F Loan	\$1,963,390	Administrative Expen Legal Expenses Planning		<b>- -</b> 0/	\$10,000 10,000 75,000
		Eng - Design / Const Eng - Insp	8.0% 4.9%		124,701 76,972
		Construction Contingency	1.070	1.070	1,515,197 151,520
TOTAL	\$1,963,390	TOTAL		<del>-</del>	\$1,963,390
REPAYMENT	Rate Term	1.75% 20 Years	Est. Annual Paymont	ent 6 Mo. after f	\$121,682 first draw
PROFESSIONAL SERVICES	Engineer Bond Counsel	Cann-Tech, LLC Dinsmore & Shohl, Ll	_P		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	Sep-18 Nov-18 May-19			
DEBT PER CUSTOMER	Existing Proposed	\$692 \$989			
OTHER DEBT		See Attached			
OTHER STATE-FUNDED PRO	DJECTS LAST 5 YRS	See Attached			
RESIDENTIAL RATES	Current Additional	<u>Users</u> 4,945 42	<u>Avg. Bill</u> \$40.73 \$40.73	, ,	*

REGIONAL COORDINATION This project is consistent with regional planning recommendations.

	Cash Flow Before			
CASHFLOW	Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2015	370,054	348,498	21,556	1.1
Audited 2016	457,813	352,823	104,990	1.3
Audited 2017	529,596	365,685	163,911	1.4
Projected 2018	491,753	371,351	120,402	1.3
Projected 2019	657,964	333,990	323,974	2.0
Projected 2020	613,692	457,722	155,970	1.3
Projected 2021	573,533	446,121	127,412	1.3
Projected 2022	532,571	446,121	86,450	1.2

Reviewer: Ashley Adams

Date: September 27, 2018 Loan Number: F18-005 (Increase)

KENTUCKY INFRASTRUCTURE AUTHORITY
DRINKING WATER STATE REVOLVING FUND (FUND F)
GREEN-TAYLOR WATER DISTRICT, GREEN COUNTY
PROJECT REVIEW
WX21217027

#### I. PROJECT DESCRIPTION

The Green-Taylor Water District is requesting a Fund F loan increase in the amount of \$121,319 because bids were higher than expected in the original budget estimate. The total amount is \$1,963,390 for the System Improvements in the Taylor County project. Because the increase request is below 10% of the original loan amount, the increase has been approved by the Executive Director of KIA.

#### Original Project Description:

This project will replace problematic mains and utilize loops in an effort to improve service to existing customers, eliminate disinfection byproducts, and provide service to around 42 new customers. Two new loops will be created around HWY 323 and another around Bloyds Poplar Grove Road and an existing loop will be updated on Old Greensburg Road. A four inch water main will be replaced by six inch PVC line that serves the Summersville Community and the lines in the Shalawn subdivision will be replaced in order to address line breaks and substantial water loss in the area. A new line will be ran on Black Snake Creek Road in order to provide water service to citizens who have requested water service for several years. The District will also purchase two portable generators to be used in emergency situations. In addition, the District will create a Capital Improvement Plan in order to plan for future projects. This planning will utilize GPS to locate over 5,000 valves as well as meters and hydrants.

Green-Taylor Water District is a PSC regulated regional provider currently serving nearly 5,000 residents and businesses mainly in Green and Taylor counties. The District purchases approximately 350 MG of water from three providers including Campbellsville Municipal Water & Sewer System, Green River Valley Water District, and the Greensburg Water Department.

# II. PROJECT BUDGET

	 Total
Administrative Expenses	\$ 10,000
Legal Expenses	10,000
Planning	75,000
Engineering Fees - Design	87,291
Engineering Fees - Construction	37,410
Engineering Fees - Inspection	76,972
Construction	1,515,197
Contingency	151,520
Total	\$ 1,963,390

### III. PROJECT FUNDING

		Amount	%	
Fund F Loan	_ \$	1,963,390	100%	
Total	\$	1,963,390	100%	

# IV. KIA DEBT SERVICE

Construction Loan	\$ 1,963,390
Less: Principal Forgiveness	0
Amortized Loan Amount	\$ 1,963,390
Interest Rate	1.75%
Loan Term (Years)	20
Estimated Annual Debt Service	\$ 116,774
Administrative Fee (0.25%)	4,908
<b>Total Estimated Annual Debt Service</b>	\$ 121,682

# V. PROJECT SCHEDULE

Bid Opening September 2018
Construction Start November 2018
Construction Stop May 2019

# VI. CUSTOMER COMPOSITION AND RATE STRUCTURE

# A) Customers

	Current	Proposed	Total
Residential	4,878	42	4920
Commercial	67		67
Total	4,945	42	4,987

#### B) Rates

	Current	Prior
Date of Last Rate Increase	08/17/18	12/01/10
Minimum (2,000 Gallons)	\$22.21	\$20.40
Next 3,000 Gallons	9.26	8.50
Next 5,000 Gallons	7.40	6.80
Over 10,000 Gallons	4.71	4.33
Cost for 4,000 gallons	\$40.73	\$37.40
Increase %	9%	22%
Affordability Index (Rate/MHI)	1.3%	1.2%

#### VII. <u>DEMOGRAPHICS</u>

Based on current Census data from the American Community Survey 5-Year Estimate 2012-2016, the Utility is located in Greensburg (Green County) and has a servable population of 11,334 with a Median Household Income (MHI) of \$37,272. The median household income for the Commonwealth is \$44,811. The project will qualify for a 1.75% interest rate based on their status as a regional provider and the project's intent to address an Agreed Order.

Po	pulation	County Unemployment			
Year	Year County		Date	Rate	
1980	11,043		June 2005	6.8%	
1990	10,371	-6.1%	June 2010	11.1%	
2000	11,518	11.1%	June 2015	5.7%	
2010	11,258	-2.3%	June 2018	5%	
Current	11,123	-1.2%			
Cumulative %		0.7%			

#### VIII. 2017 CAPITALIZATION GRANT EQUIVALENCIES

- 1) Green Project Reserve The Drinking Water capitalization grant does not contain a "green" requirement.
- 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 December 31, 2015 through December 31, 2017. The non-cash impact of GASB 68, Accounting and Financial Reporting for Pensions, has been removed from fiscal 2015, 2016, and 2017 operating expenses. Percentage references in the History

section below are based on whole dollar amounts and not the rounded amounts presented

#### HISTORY

Revenues increased 3.3% from \$2.3 million in 2015 to \$2.4 million in 2017. Operating expenses decreased 4.1% from \$1.9 million to \$1.8 million during the same time period. The debt coverage ratio was 1.1 in 2015, 1.3 in 2016, and 1.4 in 2017.

The balance sheet reflects a current ratio of 5.1, a debt to equity ratio of 0.6, 69.1 days sales in accounts receivable, and 4.1 months operating expenses in unrestricted cash.

#### **PROJECTIONS**

Projections are based on the following assumptions:

- 1) Revenues will increase 9% in 2019 as a result of a rate increase approved by PSC on August 17, 2018.
- 2) Operating expenses will increase 2% for inflation.
- 3) Debt service coverage is 1.3 in 2020 when principal and interest repayments begin.

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

#### REPLACEMENT RESERVE

The replacement reserve will be 5% (\$98,000 total) of the final amount borrowed (prior to principal forgiveness, if any) to be funded annually (\$4,900 yearly) each December 1 for 20 years and maintained for the life of the loan.

#### X. DEBT OBLIGATIONS

		Outstanding	Maturity
1979 Revenue Bond		75,000	2019
1994 Revenue Bond		312,000	2034
1995 Revenue Bond		473,000	2035
2001 Revenue Bond		205,000	2041
2004 Series A Revenue Bond		568,000	2044
2004 Series B Revenue Bond		248,000	2044
2004 Refinance Bonds		1,487,000	2027
Bank Loan (Capital Purchases)		53,619	2021
Total	\$	3,421,619	

#### XI. CONTACTS

**Legal Applicant** 

Entity Name Green-Taylor Water District
Authorized Official Ken Ferguson (Chairman)

County Taylor

Email josh.pedigo.greentaylorwater@hotmail.com

Phone 270-932-1834 Address PO Box 168

Greensburg, KY 42743

**Applicant Contact** 

Name Josh Pedigo

Organization Green-Taylor Water District

Email josh.pedigo.greentaylorwater@hotmail.com

Phone 270-932-4947

Address 250 Industrial Park Rd

Greensburg, KY 42743

**Project Administrator** 

Name Adam Scott

Organization Cann-Tech, LLC
Email ascott@kih.net
Phone 502-859-0907

Address 1100 Glensboro Rd

Lawrenceburg, KY 40342

**Consulting Engineer** 

PE Name Matthew Aaron Baker

Firm Name Cann-Tech, LLC Email mbaker@kih.net Phone 502-859-0907

Address 1100 Glensboro Rd

Lawrenceburg, KY 40342

#### XII. <u>RECOMMENDATIONS</u>

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

# GREEN-TAYLOR WATER DISTRICT FINANCIAL SUMMARY (DECEMBER YEAR END)

FINANCIAL SUMMARY (DECEMBER TEAR END	) Audited	Audited	Audited	Projected	Projected	Projected	Projected	Projected
	2015	2016	2017	2018	2019	2020	2021	2022
Balance Sheet	2010	2010	2011	2010	2010	<u> </u>	<u> 2021</u>	LULL
Assets								
Current Assets	1,062,218	1,343,863	1,224,494	1,236,513	1,340,108	1,371,302	1,396,785	1,483,235
Other Assets	11,858,101	11,782,360	12,223,681	13,400,174	13,284,352	13,034,127	12,761,055	12,386,054
Total _	12,920,319	13,126,223	13,448,175	14,636,687	14,624,460	14,405,429	14,157,840	13,869,289
Liabilities & Equity								
Current Liabilities	227,206	252,075	242,302	244,195	246,540	248,993	251,411	239,705
Long Term Liabilities	4,664,472	4,631,262	4,585,113	5,691,137	5,460,402	5,257,814	5,044,408	5,055,908
Total Liabilities	4,891,678	4,883,337	4,827,415	5,935,332	5,706,942	5,506,807	5,295,819	5,295,613
Net Assets	8,028,641	8,242,886	8,620,760	8,701,355	8,917,518	8,898,622	8,862,021	8,573,676
Cash Flow								
Revenues	2,313,573	2,349,976	2,389,718	2,389,718	2,594,529	2,594,529	2,594,529	2,594,529
Operating Expenses	1,973,527	1,928,351	1,892,138	1,929,981	1,968,581	2,012,853	2,053,012	2,093,974
Other Income	30,008	36,188	32,016	32,016	32,016	32,016	32,016	32,016
Cash Flow Before Debt Service	370,054	457,813	529,596	491,753	657,964	613,692	573,533	532,571
Debt Service								
Existing Debt Service	348,498	352,823	365,685	371,351	333,990	336,040	324,439	324,439
Proposed KIA Loan	0	0	0	0	0	121,682	121,682	121,682
Total Debt Service	348,498	352,823	365,685	371,351	333,990	457,722	446,121	446,121
Cash Flow After Debt Service	21,556	104,990	163,911	120,402	323,974	155,970	127,412	86,450
_								
Ratios								
Current Ratio	4.7	5.3	5.1	5.1	5.4	5.5	5.6	6.2
Debt to Equity	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6
Days Sales in Accounts Receivable	57.7	70.5	69.1	69.1	69.1	69.1	69.1	69.1
Months Operating Expenses in Unrestricted Cash	3.6	4.9	4.1	4.2	4.5	4.6	4.6	5.1
Debt Coverage Ratio	1.1	1.3	1.4	1.3	2.0	1.3	1.3	1.2