CITY OF KALAMAZOO 2023 BUDGET

DEBT SERVICE SCHEDULE

As of: January 1, 2023

					Remainin		of: January 1, 20	123		Г			2023						2024		
			Original																		
			Issue	Gr	ross Principal		Self-														
	City Debt Issues		Amount		Outstanding	5	Supporting		Net		Principal		Interest		Total		Principal		Interest		Total
Building Authority Be	•																				
Dated: 8/4/15	2015B Building Authority Refunding	\$	8,620,000	\$	4,660,000	\$	4,660,000	\$	-	\$	590,000	\$	188,089	\$	778,089	\$	615,000	\$	167,675	\$	782,675
Dated: 8/14/15	2015A Building Authority Refunding	\$	7,465,000		3,185,000		-	\$		\$	745,000			\$	904,250	\$		\$	122,000	\$	897,000
	Subtotal	\$	16,085,000	\$	7,845,000	\$	4,660,000	\$	3,185,000	\$	1,335,000	\$	347,339	\$	1,682,339	\$	1,390,000	\$	289,675	\$	1,679,675
Wastewater Bonds:																					
wastewater bonds.																					
Dated: 4/14/22	2022 Wastewater Supply System Rev & Refunding		24,000,000		24,000,000	\$	24,000,000			\$	545,000	\$			1,679,450	\$	570,000	\$	1,112,650		1,682,650
Dated: 4/14/22	2022 Wastewater Supply System Refunding	\$	- / /	\$	-,,	\$	3,295,000			\$	280,000	\$	- /	\$	411,800	\$	290,000	\$	120,600	\$	410,600
Dated: 4/27/21	2021 Wastewater Supply System Refunding	\$	1,670,000		1,550,000		1,550,000			\$	115,000				152,510	\$		\$	34,727		149,727
Dated: 6/17/20	2020 Wastewater Supply System Revenue	\$	10,375,000		9,840,000		9,840,000			\$		\$			570,175	\$	300,000		270,925		570,925
Dated: 6/25/19	2019 Wastewater Supply System Revenue	\$	9,600,000		8,900,000		8,900,000	•		\$	255,000				567,900	\$	270,000		300,150		570,150
Dated: 5/23/18	2018 Wastewater Supply System Revenue	\$	5,830,000		5,250,000		5,250,000		-	\$	165,000		/	_	358,929	\$	170,000		185,679		355,679
	Subtotal	3	55,035,000	3	52,835,000	3	52,835,000	3	-	\$	1,645,000	3	2,095,764	Э	3,740,764	\$	1,715,000	3	2,024,731	3	3,739,731
Water Bonds:																					
Dated: 5/3/22	2022 Water Supply System Revenue	\$	29,480,000	\$	29,480,000	\$	29,480,000	\$	-	\$	645,000	\$	1,277,450	\$	1,922,450	\$	680,000	\$	1,245,200	\$	1,925,200
Dated: 4/27/21	2021 Water Supply System Refunding Bond	\$	8,915,000	\$	8,365,000	\$	8,365,000	\$	-	\$	525,000	\$	230,038	\$	755,038	\$	540,000	\$	215,600	\$	755,600
Dated: 6/17/20	2020 Water Supply System Revenue	\$	20,325,000	\$	19,330,000	\$	19,330,000	\$	-	\$	535,000	\$	617,113	\$	1,152,113	\$	560,000	\$	590,363	\$	1,150,363
Dated: 6/25/19	2019 Water Supply System Revenue	\$	10,270,000	\$	9,515,000	\$	9,515,000	\$	-	\$	280,000	\$	331,250	\$	611,250	\$	290,000	\$	317,250	\$	607,250
Dated: 5/23/18	2018 Water Supply System Revenue	\$	9,395,000		8,410,000		8,410,000		-	\$	270,000		297,600		567,600	\$	285,000		286,800		571,800
Dated: 5/2/17	2017 Water Supply Systems Rev & Refunding	\$	7,860,000		5,860,000		5,860,000		-	\$	380,000		213,969		593,969	\$	395,000		198,769		593,769
Dated: 12/10/15	2015 Water Supply Systems Revenue	\$	3,035,000	\$	2,380,000	\$	2,380,000	\$	-	\$	95,000	\$	75,575	\$	170,575	\$	100,000	\$	72,725	\$	172,725
	Subtotal	\$	89,280,000	\$	83,340,000	\$	83,340,000	\$	-	\$	2,730,000	\$	3,042,994	\$	5,772,994	\$	2,850,000	\$	2,926,706	\$	5,776,706
Other Post Employme	ent Benefit Bonds:																				
	5 2015 Limited Tax GO - OPEB Bonds	s	90,955,000	•	75,150,000	\$	75,150,000	e.	_	\$	2 170 000	e	3,305,195	e.	5 475 105	\$	2,240,000	e	3,235,603	•	5 475 602
Dated. 1/22/1.	Subtotal	\$	90,955,000		75,150,000		75,150,000		-	\$			3,305,195			\$			3,235,603		
Capital Improvement			, ,	-	,,	-	, ,	•		ľ	_,,	-	-,,	•	-,,		_,,	-	-,,	•	-,,
Dated: 9/20/22	2022 Capital Improvement	\$	13,510,000	\$	13,510,000			\$	13,510,000	\$	520,000	\$	673,932	\$	1,193,932	\$	575,000	\$	627,950	\$	1,202,950
Dated: 9/16/21	2021 Capital Improvement & Refunding	\$	14,550,000	\$	13,530,000			\$	13,530,000	\$	1,085,000	\$	541,200	\$	1,626,200	\$	1,130,000	\$	497,800	\$	1,627,800
Dated: 4/27/21	2021 Capital Improvement Refunding	\$	2,335,000	\$	2,320,000			\$	2,320,000	\$	330,000	\$	39,868	\$	369,868	\$	330,000	\$	33,763	\$	363,763
Dated: 9/10/20	2020 Capital Improvement & Refunding	\$	12,600,000	\$	10,965,000			\$	10,965,000	\$	880,000	\$	339,619	\$	1,219,619	\$	920,000	\$	304,419	\$	1,224,419
Dated: 12/11/19	2019 Capital Improvement	\$	8,600,000	\$	6,390,000	\$	-	\$	6,390,000	\$	785,000	\$	319,500	\$	1,104,500	\$	825,000	\$	280,250	\$	1,105,250
Dated: 5/23/18	2018 Capital Improvement	\$	7,750,000	\$	6,130,000	\$	-	\$	6,130,000	\$	450,000	\$	225,375	\$	675,375	\$	470,000	\$	202,375	\$	672,375
Dated: 8/29/17	2017 Capital Improvement Refunding	\$	3,780,000	\$	1,180,000	\$	-	\$	1,180,000	\$	765,000	\$	22,302	\$	787,302	\$	415,000	\$	7,844	\$	422,844
Dated: 5/2/17	2017 Capital Improvement	\$	7,985,000	\$	5,445,000	\$	-	\$	5,445,000	\$	505,000	\$	219,100	\$	724,100	\$	525,000	\$	193,850	\$	718,850
Dated: 7/19/16	2016 Capital Improvement	\$	5,580,000	\$	3,665,000	\$	-	\$	3,665,000	\$	365,000	\$	139,300	\$	504,300	\$	385,000	\$	124,300	\$	509,300
Dated: 6/2/15	2015 Capital Improvement	\$	5,150,000	\$	2,970,000	\$	-	\$	2,970,000	\$	335,000	\$	87,113	\$	422,113	\$	345,000		76,913	\$	421,913
Dated: 4/11/13	2013 Capital Improvement	\$	4,200,000	\$	1,805,000	\$	-	\$	1,805,000	\$	285,000	\$	40,600	\$	325,600	\$	290,000	\$	34,669	\$	324,669
	Subtotal	\$	86,040,000	\$	67,910,000	\$	-	\$	67,910,000	\$	6,305,000	\$	2,647,908	\$	8,952,908	\$	6,210,000	\$	2,384,131	\$	8,594,131
	Count Total	_	22# 20# 0**		207 000 000		*****		51 005 00°		1110=000		11 120 100		25 (24 100	L	11105000		10.000.000		
	Grand Total:	\$	357,395,000	\$	287,080,000	\$	215,985,000	\$	/1,095,000	\$	14,185,000	\$	11,439,199	\$	25,624,199	\$	14,405,000	\$	10,860,846	\$	25,265,846

CITY OF KALAMAZOO

OUTSTANDING DEBT SERVICE

	Building Authority	Waste				Capital	
Calendar	General Oblig.	Water	Water	Water	OPEB	Improvement	Total
<u>Year</u>	<u>Bonds</u>	Revenue Bonds	Revenue Bonds	DWRF BONDS	<u>Bonds</u>	<u>Bonds</u>	Debt Service
2023	\$1,682,339	\$3,740,764	\$5,772,994	\$1,122,200	\$5,475,195	\$8,952,908	\$26,746,39
2024	\$1,679,675	\$3,739,731	\$5,776,706	\$1,119,850	\$5,475,603	\$8,594,131	\$26,385,69
2025	\$1,668,416	\$3,740,548	\$5,785,156	\$1,122,150	\$5,475,406	\$8,150,525	\$25,942,20
2026	\$1,688,655	\$3,748,044	\$5,769,831	\$1,119,100	\$5,479,219	\$7,898,778	\$25,703,62
2027	\$783,656	\$3,745,119	\$5,789,081	\$1,125,700	\$5,475,251	\$7,283,094	\$24,201,90
2028	\$779,607	\$3,735,944	\$5,791,931	\$1,126,800	\$5,478,162	\$6,905,193	\$23,817,63
2029	\$783,075	\$3,723,819	\$5,800,644	\$1,122,550	\$5,478,289	\$6,598,916	\$23,507,29
2030		\$3,737,194	\$5,811,319	\$1,127,950	\$5,475,121	\$5,139,597	\$21,291,18
2031		\$3,731,927	\$5,805,438	\$1,127,850	\$5,477,761	\$4,711,856	\$20,854,83
2032		\$3,725,595	\$5,633,150	\$1,132,350	\$5,474,938	\$3,532,519	\$19,498,55
2033		\$3,328,347	\$5,492,113	\$1,131,350	\$5,476,653	\$3,373,894	\$18,802,35
2034		\$3,325,959	\$5,470,531	\$1,129,950	\$5,477,469	\$2,709,819	\$18,113,72
2035		\$3,180,663	\$4,750,469	\$1,133,100	\$5,477,166	\$2,693,119	\$17,234,51
2036		\$3,180,768	\$4,745,756	\$1,130,800	\$5,475,117	\$2,283,719	\$16,816,16
2037		\$3,177,655	\$4,752,119	\$1,128,100	\$5,475,596	\$1,798,381	\$16,331,85
2038		\$3,175,610	\$4,754,781	\$1,129,950	\$5,478,136	\$1,128,938	\$15,667,41
2039		\$3,184,725	\$4,757,044	\$1,136,062	\$5,477,270	\$1,125,131	\$15,680,23
2040		\$3,179,663	\$4,757,025	\$1,082,106	\$5,477,765	\$1,125,119	\$15,621,67
2041		\$3,175,975	\$4,571,581	\$1,140,203	\$5,479,153	\$781,400	\$15,148,31
2042		\$3,182,250	\$4,252,600		\$5,475,967	\$363,800	\$13,274,61
2043		\$3,179,175	\$4,254,738		\$5,477,975	\$291,800	\$13,203,68
2044		\$2,821,900	\$3,682,600		\$5,479,475	\$292,200	\$12,276,17
2045		\$2,247,625	\$3,076,725			\$287,200	\$5,611,55
2046		\$1,681,250	\$1,925,200			\$292,000	\$3,898,45
2047		\$1,680,000	\$1,924,000			\$291,200	\$3,895,20
	\$9,065,420	\$81,070,246	\$120,903,531	\$21,388,130	\$120,492,684	\$86,605,235	\$439,525,24

CITY OF KALAMAZOO Limited Tax General Obligation Debt

 							TI.				
		1			_						
		\$7,465,000									
			ng Bonds								
							ABLE				·
		14-Jul-15			DATED:	14-Jul-15					
C.	ALLABLE:	10/1/2025 @10	00		CALLABLE:	10/1/2025 @1	00		TO	TAL GOLT DE	BT
	PRINCIPAL	RATE	INTEREST	TOTAL	PRINCIPAL	RATE	INTEREST	TOTAL	PRINCIPAL	INTEREST	TOTAL
	(10/1)		(4/1 & 10/1)		(10/1)		(4/1 & 10/1)				
	\$745,000	5.000%	\$159,250	\$904,250	\$590,000	3.460%	\$188,089	\$778,089	\$1,335,000	\$347,339	\$1,682,339
	\$775,000	5.000%	\$122,000	\$897,000	\$615,000	3.660%	\$167,675	\$782,675	\$1,390,000	\$289,675	\$1,679,675
	\$805,000	5.000%	\$83,250	\$888,250	\$635,000	3.860%	\$145,166	\$780,166	\$1,440,000	\$228,416	\$1,668,416
	\$860,000	5.000%	\$43,000	\$903,000	\$665,000	4.060%	\$120,655	\$785,655	\$1,525,000	\$163,655	\$1,688,655
					\$690,000	4.210%	\$93,656	\$783,656	\$690,000	\$93,656	\$783,656
					\$715,000	4.410%	\$64,607	\$779,607	\$715,000	\$64,607	\$779,607
					\$750,000	4.410%	\$33,075	\$783,075	\$750,000	\$33,075	\$783,075
	\$3,185,000		\$407,500	\$ 3,592,500	\$4,660,000		\$812,920	\$5,472,920	\$7,845,000	\$1,220,420	\$9,065,420
	AA C C D D AA T T F G C C C C C C C C C C C C C C C C C C	CUSIP: DESCRIP: AMOUNT: TYPE: FUND SOURC DATED: CALLABLE: PRINCIPAL (10/1) \$745,000 \$775,000 \$805,000 \$860,000	Authorization: Act 34 CUSIP: 483206 DESCRIP: BA Refunding AMOUNT: \$7,465,000 TYPE: LTGO Refundi FUND SOURC! Series A DATED: 14-Jul-15 CALLABLE: 10/1/2025 @10 PRINCIPAL RATE (10/1) \$745,000 5.000% \$775,000 5.000% \$805,000 5.000% \$860,000 5.000%	Authorization: Act 34 CUSIP: 483206 DESCRIP: BA Refunding AMOUNT: \$7,465,000 TYPE: LTGO Refunding Bonds FUND SOURC Series A DATED: 14-Jul-15 CALLABLE: 10/1/2025 @100	Authorization: Act 34 CUSIP: 483206 DESCRIP: BA Refunding AMOUNT: \$7,465,000 TYPE: LTGO Refunding Bonds FUND SOURC Series A DATED: 14-Jul-15 CALLABLE: 10/1/2025 @100	Authorization: Act 34	Authorization: Act 34	Authorization: Act 34	Authorization: Act 34	Authorization: Act 34	Authorization: Act 34

	ISSUE:	2			ISSUE:	3		
	Authorization:	Act 94			Authorization:	Act 94		
	CUSIP:	483273			CUSIP:	483273		
	DESCRIP:	Sewage Dispos	eal		DESCRIP:	Sewage Dispo	cal	
	AMOUNT:	\$ 5.830.000	sai .		AMOUNT:	\$9.600.000	Jui	
	TYPE:	Wastewater Sy	stem		TYPE:	Wastewater Sy	etem	
	Fund Source:	Wastewater Sy			Fund Source:	Wastewater Sy		
	DATED:	5/23/18	otom		DATED:	6/25/19	7010111	
	CALLABLE:	10/1/2026 @ P	ar		CALLABLE:	10/1/2027 @ p	ar	
						<u></u>		
Calendar	PRINCIPAL	RATE	INTEREST	TOTAL	PRINCIPAL	RATE	INTEREST	TOTAL
Year	(10/1)	1011	(4/1 & 10/1)	701712	(10/1)	10112	(4/1 & 10/1)	101/1
	(,		(🚨 .5/1)		(,		(
2023	\$165,000	5.00%	\$193,929	\$358,929	\$255,000	5.00%	\$312,900	\$567,90
2024	\$170,000	5.00%	\$185,679	\$355,679	\$270,000	5.00%		\$570,15
2025	\$180,000	5.00%	\$177,179	\$357,179	\$285,000	5.00%	, , ,	\$571,65
2026	\$190,000	5.00%	\$168,179	\$358,179	\$300,000	5.00%	, ,	\$572,40
2027	\$200,000	4.00%	\$158,679	\$358,679	\$315,000	5.00%		\$572,40
2028	\$205,000	4.00%	\$150,679	\$355,679	\$330,000	5.00%		\$571,65
2029	\$215,000	4.00%	\$142,479	\$357,479	\$345,000	4.00%		\$570,15
2030	\$225,000	4.00%	\$133,879	\$358,879	\$360,000	4.00%	\$211,350	\$571,35
2031	\$235,000	3.125%	\$124,879	\$359,879	\$375,000	4.00%	,	\$571,95
2032	\$240,000	3.15%	\$117,535	\$357,535	\$390,000	3.00%		\$571,95
2033	\$250,000	3.20%	\$109,975	\$359,975	\$400,000	3.00%		\$570,25
2034	\$255,000	3.25%	\$101,975	\$356,975	\$410,000	3.00%	, ,	\$568,25
2035	\$265,000	3.30%	\$93,688	\$358,688	\$425,000	3.00%		\$570,95
2036	\$275,000	3.35%	\$84,943	\$359,943	\$435,000	3.00%	\$133,200	\$568,20
2037	\$280,000	3.40%	\$75,730	\$355,730	\$450,000	3.00%		\$570,15
2038	\$290,000	3.40%	\$66,210	\$356,210	\$465,000	3.00%	,	\$571,65
2039	\$300,000	3.50%	\$56,350	\$356,350	\$480,000	3.00%	\$92,700	\$572,70
2040	\$310,000	3.50%	\$45,850	\$355,850	\$490,000	3.00%	, -,	\$568,30
2041	\$320,000	3.50%	\$35,000	\$355,000	\$505,000	3.00%	, ,	\$568,60
2042	\$335,000	3.50%	\$23,800	\$358,800	\$520,000	3.00%	\$48,450	\$568,45
2043	\$345,000	3.50%	\$12,075	\$357,075	\$540,000	3.00%	, . ,	\$572,85
2044					\$555,000	3.00%	\$16,650	\$571,65
2045								
2046								
2047								
	5,250,000		2,258,689	7,508,689	8,900,000		3,653,550	12,553,55

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	100115				100115	_			ISSUE:			
	ISSUE: Authorization:	4			ISSUE:	5			Authorization:	6		
		Act 94 483273			Authorization: CUSIP:	Act 94 483273				Act 94		
	CUSIP: DESCRIP:						4.4.10/		CUSIP: DESCRIP:	D (1: (00	40.14/	<u> </u>
		Sewage Dispose \$10,375,000	ai I		DESCRIP: AMOUNT:	\$1,670,000	14 Wastewater be	ona	AMOUNT:	Refunding of 20 \$3,560,000	12 wastewater E	ona
			4			Wastewater Sys	4		TYPE:	Wastewater Sys	4	
	Fund Source:	Wastewater Sys			Fund Source:	Wastewater Sys	tem		Fund Source:	Wastewater Sys		
	DATED:	6/17/20				4/27/2021	lem		DATED:	4/14/2022	tem	
	CALLABLE:	10/1/2027 @ pa				9/1/2034 @ par			CALLABLE:	9/1/2034 @ par		
	CALLADLE:	10/1/2021 @ pa	T .		CALLADLE:	9/ 1/2034 @ par			CALLADLE:	9/1/2034 @ par		
Colondor	PRINCIPAL	RATE	INTEREST	TOTAL	PRINCIPAL	RATE	INTEREST	TOTAL	PRINCIPAL	RATE	INTEREST	TOTAL
Calendar Year	(10/1)	KAIE	(4/1 & 10/1)	TOTAL	(10/1)	KAIE	(4/1 & 10/1)	TOTAL	(10/1)	KATE	(4/1 & 10/1)	TOTAL
rear	(10/1)		(4/1 & 10/1)		(10/1)		(4/1 & 10/1)		(10/1)		(4/1 & 10/1)	
0000	#00F 000	5.000/	0005 475	0570.475	0445 000	0.4500/	007.540	0450 540	0404.000	4.0000/	0000 000	0444 000
2023	\$285,000	5.00%	\$285,175	\$570,175	\$115,000	3.450%	\$37,510	\$152,510	\$131,800		\$280,000	\$411,800
2024	\$300,000	5.00%	\$270,925	\$570,925	\$115,000	3.450%	\$34,727	\$149,727	\$120,600		\$290,000	\$410,600
2025	\$315,000	5.00%	\$255,925	\$570,925	\$120,000	3.450%	\$31,944	\$151,944	\$109,000		\$300,000	\$409,000
2026	\$330,000	4.00%	\$240,175	\$570,175	\$125,000	3.450%	\$29,040	\$154,040	\$97,000	4.000%	\$315,000	\$412,000
2027	\$345,000	4.00%	\$226,975	\$571,975	\$125,000	3.450%	\$26,015	\$151,015	\$84,400	4.000%	\$325,000	\$409,400
2028	\$360,000	4.00%	\$213,175	\$573,175	\$125,000	3.450%	\$22,990	\$147,990	\$71,400	4.000%	\$335,000	\$406,400
2029	\$370,000	4.00%	\$198,775	\$568,775	\$125,000	3.450%	\$19,965	\$144,965	\$58,000	4.000%	\$345,000	\$403,000
2030	\$385,000	4.00%	\$183,975	\$568,975	\$135,000	3.450%	\$16,940	\$151,940	\$44,200	4.000%	\$360,000	\$404,200
2031	\$405,000	4.00%	\$168,575	\$573,575	\$140,000	3.450%	\$13,673	\$153,673	\$29,800	4.000%	\$365,000	\$394,800
2032	\$420,000	2.00%	\$152,375	\$572,375	\$140,000	3.450%	\$10,285	\$150,285	\$15,200	4.000%	\$380,000	\$395,200
2033	\$425,000	2.00%	\$143,975	\$568,975	\$140,000	3.450%	\$6,897	\$146,897				
2034	\$435,000	2.00%	\$135,475	\$570,475	\$145,000	3.450%	\$3,509	\$148,509				
2035	\$445,000	2.00%	\$126,775	\$571,775								
2036	\$455,000	2.00%	\$117,875	\$572,875								
2037	\$460,000	2.125%	\$108,775	\$568,775								
2038	\$470,000	2.25%	\$99,000	\$569,000								
2039	\$485,000	2.25%	\$88,425	\$573,425								
2040	\$495,000	2.25%	\$77,513	\$572,513								
2041	\$505,000	2.50%	\$66,375	\$571,375								
2042	\$520,000	2.50%	\$53,750	\$573,750								
2043	\$530,000	2.50%	\$40,750	\$570,750								
2044	\$545,000	2.50%	\$27,500	\$572,500								
2045	\$555,000	2.50%	\$13,875	\$568,875								
2046												
2047												
	9,840,000		3,296,113	13,136,113	1,550,000]	253,495	1,803,495	761,400		3,295,000	4,056,400

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		_					
	ISSUE:	6					
	Authorization:	Act 94					
	CUSIP:	483273					
	DESCRIP:	Sewage Disposa	n/				
	AMOUNT:	\$24,000,000					
	TYPE:	Wastewater Syst					
	Fund Source:	Wastewater Syst	tem				
	DATED:	4/14/2022					
	CALLABLE:	9/1/2034 @ par			TOTAL WAS	TEWATER REVE	ENUE BONDS
Calendar	PRINCIPAL	RATE	INTEREST	TOTAL	PRINCIPAL	INTEREST	TOTAL
Year	(10/1)		(4/1 & 10/1)				
2023	1,134,450.00	4.000%	\$545,000	\$1,679,450	\$2,086,250	\$1,654,514	\$3,740,764
2024	1,112,650.00	4.000%	\$570,000	\$1,682,650	\$2,088,250	\$1,651,481	\$3,739,731
2025	1,089,850.00	4.000%	\$590,000	\$1,679,850	\$2,098,850	\$1,641,698	\$3,740,548
2026	1.066,250.00	4.000%	\$615,000	\$1,681,250	\$2,108,250	\$1.639.794	\$3,748,044
2027	1,041,650.00	4.000%	\$640,000	\$1,681,650	\$2,111,050	\$1,634,069	\$3,745,119
2028	1,016,050.00	4.000%	\$665,000	\$1,681,050	\$2,107,450	\$1,628,494	\$3,735,944
2029	989,450.00	4.000%	\$690,000	\$1,679,450	\$2,102,450	\$1,621,369	\$3,723,819
2030	961,850.00	4.000%	\$720,000	\$1,681,850	\$2,111,050	\$1,626,144	\$3,737,194
2031	933.050.00	4.000%	\$745,000	\$1,678,050	\$2,117,850	\$1,614,077	\$3,731,927
2032	903,250.00	4.000%	\$775,000	\$1,678,250	\$2,108,450	\$1,617,145	\$3,725,595
2033	872,250.00	5.000%	\$810,000	\$1,682,250	\$2,087,250	\$1,241,097	\$3,328,347
2034	831,750.00	5.000%	\$850,000	\$1.681.750	\$2,076,750	\$1,249,209	\$3,325,959
2035	789,250.00	5.000%	\$890,000	\$1,679,250	\$1,924,250	\$1,256,413	\$3,180,663
2036	744,750.00	5.000%	\$935,000	\$1,679,750	\$1,909,750	\$1,271,018	\$3,180,768
2037	698,000.00	5.000%	\$985,000	\$1,683,000	\$1,888,000	\$1,289,655	\$3,177,655
2038	648,750.00	5.000%	\$1,030,000	\$1,678,750	\$1,873,750	\$1,301,860	\$3,175,610
2039	597,250.00	5.000%	\$1,085,000	\$1,682,250	\$1,862,250	\$1,322,475	\$3,184,725
2040	543,000.00	5.000%	\$1,140,000	\$1,683,000	\$1,838,000	\$1,341,663	\$3,179,663
2041	486,000.00	5.000%	\$1,195,000	\$1,681,000	\$1,816,000	\$1,359,975	\$3,175,975
2042	426,250.00	5.000%	\$1,255,000	\$1,681,250	\$1,801,250	\$1,381,000	\$3,182,250
2043	363,500.00	5.000%	\$1,315,000	\$1,678,500	\$1,778,500	\$1,400,675	\$3,179,175
2044	297,750.00	5.000%	\$1,380,000	\$1,677,750	\$1,397,750	\$1,424,150	\$2,821,900
2045	228,750.00	5.000%	\$1,450,000	\$1,678,750	\$783,750	\$1,463,875	\$2,247,625
2046	156,250.00	5.000%	\$1,525,000	\$1,681,250	\$156,250	\$1,525,000	\$1,681,250
2047	80,000.00	5.000%	\$1,600,000	\$1,680,000	\$80,000	\$1,600,000	\$1,680,000
	18,012,000		24,000,000	42,012,000	\$44,313,400	\$36,756,846	\$81,070,246

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	ISSUE:	1	00000000		ISSUE:	2			ISSUE:	3		
	Authorization:	Act 94			Authorization	Act 94			Authorization.	Act 94		
		483278	- Indiana		CUSIP:	483278			CUSIP:			
	DESCRIP:	Revenue Refu	unding Bonds		DESCRIP:	Revenue Refu	unding Bonds		DESCRIP:	Revenue Boi	nds	
	AMOUNT:	\$3,035,000			AMOUNT:	\$7,860,000			AMOUNT:	\$9,395,000		
	TYPE:	Water Revenu	ue Bonds		TYPE:	Water Reveni	ue and Refundir	ng Bonds	TYPE:	Water Reven	ue	
	FUND SOUR	Water System	n Revenues		FUND SOUR	Water System	n Revenues		FUND SOUR	Water Systen	n Revenues	
	DATED:	12/10/201	5		DATED:	5/2/201	7		DATED:	5/23/201		
	CALLABLE:	9/1/2025 @ F	Par		CALLABLE:	9/1/2026 @ F	Par		CALLABLE:	9/1/2026 @ F	Par	
							======		5500050			
Calendar	PRINCIPAL	RATE	INTEREST	TOTAL	PRINCIPAL	RATE	INTEREST	TOTAL	PRINCIPAL	RATE	INTEREST	TOTAL
Year	(9/1)		(3/1 & 9/1)		(9/1)		(3/1 & 9/1)		(9/1)		(3/1 & 9/1)	
0000	005.005	0.00001	075 575	0470 575	#C00 000	4.0000/	#0.10.000	# 500.005	#070 000	4.0000/	#007.055	AFOT 65
2023	\$95,000	3.000%	\$75,575	\$170,575	\$380,000	4.000%	\$213,969	\$593,969	\$270,000	4.000%	\$297,600	\$567,600
2024	\$100,000	3.000%	\$72,725	\$172,725	\$395,000	4.000%	\$198,769	\$593,769	\$285,000	4.000%	\$286,800	\$571,800
2025	\$105,000	3.000%	\$69,725	\$174,725	\$420,000	4.000%	\$182,969	\$602,969	\$295,000	5.000%	\$275,400	\$570,400
2026	\$105,000	3.000%	\$66,575	\$171,575	\$430,000	4.000%	\$166,169	\$596,169	\$310,000	5.000%	\$260,650	\$570,650
2027	\$110,000	3.000%	\$63,425	\$173,425	\$280,000	4.000%	\$148,969	\$428,969	\$325,000	4.000%	\$245,150	\$570,150
2028	\$115,000	3.000%	\$60,125	\$175,125	\$290,000	4.000%	\$137,769	\$427,769	\$340,000	3.000%	\$232,150	\$572,150
2029	\$120,000	3.000%	\$56,675	\$176,675	\$305,000	3.000%	\$126,169	\$431,169	\$350,000	3.000%	\$221,950	\$571,950
2030	\$120,000	3.000%	\$53,075	\$173,075	\$315,000	3.125%	\$117,019	\$432,019	\$360,000	3.000%	\$211,450	\$571,450
2031	\$125,000	3.000%	\$49,475	\$174,475	\$320,000	3.250%	\$107,175	\$427,175	\$370,000	3.000%	\$200,650	\$570,650
2032	\$130,000	3.125%	\$45,725	\$175,725	\$330,000	3.375%	\$96,775	\$426,775	\$380,000	3.125%	\$189,550	\$569,550
2033	\$135,000	3.125%	\$41,663	\$176,663	\$230,000	3.375%	\$85,638	\$315,638	\$390,000	3.250%	\$177,675	\$567,675
2034	\$140,000	3.250%	\$37,444	\$177,444	\$240,000	3.500%	\$77,875	\$317,875	\$405,000	3.250%	\$165,000	\$570,000
2035	\$145,000	3.250%	\$32,894	\$177,894	\$245,000	3.500%	\$69,475	\$314,475	\$420,000	3.375%	\$151,838	\$571,838
2036	\$155,000	3.375%	\$28,181	\$183,181	\$255,000	3.625%	\$60,900	\$315,900	\$430,000	3.375%	\$137,663	\$567,663
2037	\$160,000	3.375%	\$22,950	\$182,950	\$265,000	3.625%	\$51,656	\$316,656	\$445,000	3.500%	\$123,150	\$568,150
2038	\$165,000	3.375%	\$17,550	\$182,550	\$275,000	3.625%	\$42,050	\$317,050	\$465,000	3.500%	\$107,575	\$572,57
2039	\$175,000	3.375%	\$11,981	\$186,981	\$285,000	3.625%	\$32,081	\$317,081	\$480,000	3.500%	\$91,300	\$571,300
2040	\$180,000	3.375%	\$6,075	\$186,075	\$295,000	3.625%	\$21,750	\$316,750	\$495,000	3.500%	\$74,500	\$569,50
2041			Annonnonida		\$305,000	3.625%	\$11,056	\$316,056	\$515,000	3.500%	\$57,175	\$572,17
2042			and the same of th						\$530,000	3.625%	\$39,150	\$569,15
2043									\$550,000	3.625%	\$19,938	\$569,93
2044			and the same of th									*************************************
2045			and the same of th								NAME OF THE PROPERTY OF THE PR	
2046												***************************************
2047	¢2.200.000		#044.000	¢2.404.020	ΦE 000 000		£4.040.004	¢7,000,004	¢0.440.000		¢2 566 242	¢44.076.04
	\$2,380,000		\$811,838	\$3,191,838	\$5,860,000		\$1,948,231	\$7,808,231	\$8,410,000		\$3,566,313	\$11,976,313

	And and				And and			
	ISSUE:	4			ISSUE:	5		
	Authorization:	Act 94			Authorization:	Act 94		
	CUSIP:	483278			CUSIP:	7.00.01		
	DESCRIP:	Revenue Bon	ds		DESCRIP:	Revenue Bor	nds	
	AMOUNT:	\$10,270,000			AMOUNT:	\$20,325,000		
	TYPE:	Water Revenu	e		TYPE:	Water Revenu	ie.	
	FUND SOURCE:	Water System			FUND SOURCE:	Water System		
	DATED:	6/25/2019			DATED:	6/17/2020		
	CALLABLE:	9/1/2027 @ Pa			CALLABLE:	0/11/2020	,	
	C, (LL) (DLL.	5, ,, 202, 69, 1			C, (LL) (DLL.			
Calendar	PRINCIPAL	RATE	INTEREST	TOTAL	PRINCIPAL	RATE	INTEREST	TOTAL
Year	(9/1)		(3/1 & 9/1)		(9/1)		(3/1 & 9/1)	
2023	\$280,000	5.000%	\$331,250	\$611,250	\$535,000	5.000%	\$617,113	\$1,152,113
2024	\$290,000	5.000%	\$317,250	\$607,250	\$560,000	5.000%	\$590,363	\$1,150,363
2025	\$305,000	5.000%	\$302,750	\$607,750	\$590,000	5.000%	\$562,363	\$1,152,363
2026	\$320,000	5.000%	\$287,500	\$607,500	\$620,000	5.000%	\$532,863	\$1,152,863
2027	\$340,000	5.000%	\$271,500	\$611,500	\$650,000	5.000%	\$501,863	\$1,151,863
2028	\$355,000		\$254,500	\$609,500	\$680,000	5.000%	\$469,363	\$1,149,363
2029	\$370,000	4.000%	\$240,300	\$610,300	\$715,000	5.000%	\$435,363	\$1,150,363
2030	\$385,000	4.000%	\$225,500	\$610,500	\$750,000	5.000%	\$399,613	\$1,149,613
2031	\$400,000	4.000%	\$210,100	\$610,100	\$790,000	5.000%	\$362,113	\$1,152,113
2032	\$415,000	3.000%	\$194,100	\$609,100	\$830,000	2.000%	\$322,613	\$1,152,613
2033	\$425,000	3.000%	\$181,650	\$606,650	\$845,000	2.000%	\$306,013	\$1,151,013
2034	\$440,000	3.000%	\$168,900	\$608,900	\$865,000	2.000%	\$289,113	\$1,154,113
2035	\$455,000	3.000%	\$155,700	\$610,700	\$880,000	2.000%	\$271,813	\$1,151,813
2036	\$465,000	3.000%	\$142,050	\$607,050	\$895,000	2.000%	\$254,213	\$1,149,213
2037	\$480,000	3.000%	\$128,100	\$608,100	\$915,000	2.125%	\$236,313	\$1,151,313
2038	\$495,000	3.000%	\$113,700	\$608,700	\$935,000	2.250%	\$216,869	\$1,151,869
2039	\$510,000		\$98,850	\$608,850	\$955,000	2.375%	\$195,831	\$1,150,831
2040	\$525,000	3.000%	\$83,550	\$608,550	\$980,000	3.000%	\$173,150	\$1,153,150
2041	\$540,000	3.000%	\$67,800	\$607,800	\$1,010,000	3.000%	\$143,750	\$1,153,750
2042	\$555,000	3.000%	\$51,600	\$606,600	\$1,040,000	3.000%	\$113,450	\$1,153,450
2043	\$575,000	3.000%	\$34,950	\$609,950	\$1,070,000	2.500%	\$82,250	\$1,152,250
2044	\$590,000	3.000%	\$17,700	\$607,700	\$1,095,000	2.500%	\$55,500	\$1,150,500
2045					\$1,125,000	2.500%	\$28,125	\$1,153,125
2046								
2047								
	\$9,515,000		\$3,879,300	\$13,394,300	\$19,330,000		\$7,160,013	\$26,490,013

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		*									
	ISSUE:	6			ISSUE:	7					
	Authorization:	Act 94			Authorization:	Act 94					
	CUSIP:	7101 04			CUSIP:	7101 0-1					
	DESCRIP:	Refunding of 2	014 water hond	······································	DESCRIP:	Revenue Bon	ds				
	AMOUNT:	\$8,915,000			AMOUNT:	\$29,480,000					
	TYPE:	Water Revenue	9		TYPE:	Water Revenu	ıe				
	FUND SOURCE:	Water System			FUND SOURCE:	Water System					
	DATED:	4/27/2021			DATED:	5/3/2022			TOTAL W	ATER REVEN	IUF BONDS
	CALLABLE:	1/21/2021			CALLABLE:	0,0,202	_		70771277	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	loc Bondo
		*									
Calendar	PRINCIPAL	RATE	INTEREST	TOTAL	PRINCIPAL	RATE	INTEREST	TOTAL	PRINCIPAL	INTEREST	TOTAL
Year	(9/1)	1011	(3/1 & 9/1)	.01,1	(9/1)		(3/1 & 9/1)				10171

2023	\$525,000	2.750%	\$230,038	\$755,038	\$645,000	5.000%	\$1,277,450	\$1,922,450	\$2,730,000	\$3,042,994	\$5,772,994
2024	\$540,000	2.750%	\$215,600	\$755,600	\$680,000	5.000%	\$1,245,200	\$1,925,200	\$2,850,000	\$2,926,706	\$5,776,706
2025	\$550,000	2.750%	\$200,750	\$750,750	\$715,000		\$1,211,200	\$1,926,200	\$2,980,000	\$2,805,156	\$5,785,156
2026	\$560,000	2.750%	\$185,625	\$745,625	\$750,000	5.000%	\$1,175,450	\$1,925,450	\$3,095,000	\$2,674,831	\$5,769,83
2027	\$760,000	2.750%	\$170,225	\$930,225	\$785,000		\$1,137,950	\$1,922,950	\$3,250,000	\$2,539,081	\$5,789,08
2028	\$785,000	2.750%	\$149,325	\$934,325	\$825,000	5.000%	\$1,098,700	\$1,923,700	\$3,390,000	\$2,401,931	\$5,791,93
2029	\$810,000	2.750%	\$127,738	\$937,738	\$865,000	5.000%	\$1,057,450	\$1,922,450	\$3,535,000	\$2,265,644	\$5,800,644
2030	\$845,000	2.750%	\$105,463	\$950,463	\$910,000	5.000%	\$1,014,200	\$1,924,200	\$3,685,000	\$2,126,319	\$5,811,319
2031	\$865,000	2.750%	\$82,225	\$947,225	\$955,000	5.000%	\$968,700	\$1,923,700	\$3,825,000	\$1,980,438	\$5,805,438
2032	\$715,000	2.750%	\$58,438	\$773,438	\$1,005,000	5.000%	\$920,950	\$1,925,950	\$3,805,000	\$1,828,150	\$5,633,150
2033	\$710,000	2.750%	\$38,775	\$748,775	\$1,055,000	5.000%	\$870,700	\$1,925,700	\$3,790,000	\$1,702,113	\$5,492,113
2034	\$700,000	2.750%	\$19,250	\$719,250	\$1,105,000	4.000%	\$817,950	\$1,922,950	\$3,895,000	\$1,575,531	\$5,470,531
2035	, , , , , , , , , , , , , , , , , , , ,		, , , , ,	, , , , , , ,	\$1,150,000	4.000%	\$773,750	\$1,923,750	\$3,295,000	\$1,455,469	\$4,750,469
2036					\$1,195,000	4.000%	\$727,750	\$1,922,750	\$3,395,000	\$1,350,756	\$4,745,756
2037					\$1,245,000	4.000%	\$679,950	\$1,924,950	\$3,510,000	\$1,242,119	\$4,752,119
2038			***************************************		\$1,295,000		\$627,038	\$1,922,038	\$3,630,000	\$1,124,781	\$4,754,781
2039					\$1,350,000		\$572,000	\$1,922,000	\$3,755,000	\$1,002,044	\$4,757,044
2040					\$1,405,000	4.000%	\$518,000	\$1,923,000	\$3,880,000	\$877,025	\$4,757,025
2041					\$1,460,000	4.000%	\$461,800	\$1,921,800	\$3,830,000	\$741,581	\$4,571,58
2042					\$1,520,000	4.000%	\$403,400	\$1,923,400	\$3,645,000	\$607,600	\$4,252,600
2043					\$1,580,000	4.000%	\$342,600	\$1,922,600	\$3,775,000	\$479,738	\$4,254,738
2044					\$1,645,000		\$279,400	\$1,924,400	\$3,330,000	\$352,600	\$3,682,600
2045					\$1,710,000		\$213,600	\$1,923,600	\$2,835,000	\$241,725	\$3,076,72
2046					\$1,780,000	4.000%	\$145,200	\$1,925,200	\$1,780,000	\$145,200	\$1,925,200
2047					\$1,850,000	4.000%	\$74,000	\$1,924,000	\$1,850,000	\$74,000	\$1,924,000
	\$8,365,000		\$1,583,450	\$9,948,450	\$29,480,000		\$18,614,388	\$48,094,388	\$83,340,000	\$37,563,531	\$120,903,531

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	ISSUE:	6			ISSUE:	8					
	Authorization:	Act 94			Authorization:	Act 94					
	CUSIP:				CUSIP:						
	DESCRIP:	DWRF 2019			DESCRIP:	Revenue Bor	nds				
	AMOUNT:	\$923,191			AMOUNT:	\$21,095,000					
	TYPE:	Junior Lien			TYPE:	Junior Lien D\	WRF				
	FUND SOUR	Water Systen	n Revenues		FUND SOURCE:	Water System	Revenues				
100	DATED:	8/30/201	9		DATED:	8/28/2020			TO	TAL WATER DE	EBT
	CALLABLE:				CALLABLE:			1			
1							Projected				
Calendar	PRINCIPAL	RATE	INTEREST	TOTAL	PRINCIPAL	RATE	INTEREST	TOTAL	PRINCIPAL	INTEREST	TOTAL
Year	(9/1)		(3/1 & 9/1)		(9/1)		(3/1 & 9/1)			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
2023	\$30,000	2.000%	\$13,494	\$43,494	\$830,000	2.000%	\$248,706	\$1,078,706	\$860,000	\$262,200	\$1,122,2
2024	\$30,000	2.000%	\$12.894	\$42.894	\$845,000	2.000%	\$231,956	\$1,076,956	\$875,000	\$244,850	\$1,119,8
2025	\$30,000	2.000%	\$12,294	\$42,294	\$865,000	2.000%	\$214,856	\$1,079,856	\$895,000	\$227,150	\$1,122,1
2026	\$30,000	2.000%	\$11,694	\$41,694	\$880,000	2.000%	\$197,406	\$1,077,406	\$910,000	\$209,100	\$1,119,1
2027	\$35,000	2.000%	\$11,094	\$46,094	\$900,000	2.000%	\$179,606	\$1,079,606	\$935,000	\$190,700	\$1,125,7
2028	\$35,000	2.000%	\$10,394	\$45,394	\$920,000	2.000%	\$161,406	\$1,081,406	\$955,000	\$171,800	\$1,126,8
2029	\$35,000	2.000%	\$9,694	\$44,694	\$935,000	2.000%	\$142,856	\$1,077,856	\$970,000	\$152,550	\$1,122,5
2030	\$40,000	2.000%	\$8,994	\$48,994	\$955,000	2.000%	\$123,956	\$1,078,956	\$995,000	\$132,950	\$1,127,9
2031	\$40,000	2.000%	\$8,194	\$48,194	\$975,000	2.000%	\$104,656	\$1,079,656	\$1,015,000	\$112,850	\$1,127,8
2032	\$45,000	2.000%	\$7,394	\$52,394	\$995,000	2.000%	\$84,956	\$1,079,956	\$1,040,000	\$92,350	\$1,132,3
2033	\$45,000	2.000%	\$6,494	\$51,494	\$1,015,000	2.000%	\$64,856	\$1,079,856	\$1,060,000	\$71,350	\$1,131,3
2034	\$45,000	2.000%	\$5,594	\$50,594	\$1,035,000	2.000%	\$44,356	\$1,079,356	\$1,080,000	\$49,950	\$1,129,9
2035	\$45,000	2.000%	\$4,694	\$49,694	\$1,060,000	2.000%	\$23,406	\$1,083,406	\$1,105,000	\$28,100	\$1,133,1
2036	\$45,000	2.000%	\$3,794	\$48,794	\$1,080,000	2.000%	\$2,006	\$1,082,006	\$1,125,000	\$5,800	\$1,130,8
2037	\$45,000	2.000%	\$2,894	\$47,894	\$1,100,000	2.000%	(\$19,794)	\$1,080,206	\$1,125,000	(\$16,900)	\$1,128,1
2038	\$45,000	2.000%	\$1,994	\$46,994	\$1,125,000	2.000%	(\$42,044)	\$1,082,956	\$1,170,000	(\$40,050)	\$1,120,1
2039	\$54,712	2.000%	\$1,094	\$55,806	\$1,145,000	2.000%	(\$64,744)	\$1,080,256	\$1,170,000	(\$63,650)	\$1,136,0
2039	ψυτ,112	2.00076	ψ1,034	ψυυ,ουο	\$1,170,000	2.000%	(\$87,894)	\$1,080,230	\$1,170,000	(\$87,894)	\$1,130,0
2040					\$1,170,000	2.000%	(\$49,797)	\$1,140,203	\$1,170,000	(\$49,797)	\$1,002,1
2041		-	-		ψ1,130,000	2.000 /6	(ψ+3,191)	ψ1,140,203	\$1,190,000	\$0	φ1,140,2
2042		***							\$0	\$0	
2043									\$0	\$0	
2044		-					-		\$0	\$0	
2040		THE PERSON NAMED IN COLUMN NAM							\$0	\$0	
									\$0	\$0 \$0	
	\$674,712	-	\$132,702	\$807,414	\$19,020,000		\$1,560,715	\$20,580,715	\$19,694,712	\$1,693,418	\$21,388,1
	φυ/4,/12	-	ψ13Z,1UZ	ψΟυ1,414	φ19,020,000	ļ	ψ1,000,715	ψ20,000,110	φ13,034,712	ψ1,033,410	φ <u>ζ</u> 1,300, 1.

City of Kalamazoo OPEB Bonds

ISSUE: 1
Authorization: Act 34

Authorization: Act 34
CUSIP: 483206
DESCRIP: opeb

AMOUNT: \$90,955,000

TYPE: GO CIB TAXABLE FUND SOURCE: General Funds

DATED: 01/22/15

CALLABLE: 12/1/2024 @ 100

	PRINCIPAL	RATE	11	NTEREST		TOTAL
	(12/1)		(6	3/1 & 12/1)		
	(' ' /		(-			
2023	\$2,170,000	3.207%	\$	3,305,195	\$	5,475,195
2024	\$2,240,000	3.357%	\$	3,235,603	\$	5,475,603
2025	\$2,315,000	3.507%	\$	3,160,406	\$	5,475,406
2026	\$2,400,000	3.707%	\$	3,079,219	\$	5,479,219
2027	\$2,485,000	3.907%	\$	2,990,251	\$	5,475,251
2028	\$2,585,000	4.057%	\$	2,893,162	\$	5,478,162
2029	\$2,690,000	4.207%	\$	2,788,289	\$	5,478,289
2030	\$2,800,000	4.370%	\$	2,675,121	\$	5,475,121
2031	\$2,925,000	4.370%	\$	2,552,761	\$	5,477,761
2032	\$3,050,000	4.370%	\$	2,424,938	\$	5,474,938
2033	\$3,185,000	4.370%	\$	2,291,653	\$	5,476,653
2034	\$3,325,000	4.370%	\$	2,152,469	\$	5,477,469
2035	\$3,470,000	4.670%	\$	2,007,166	\$	5,477,166
2036	\$3,630,000	4.670%	\$	1,845,117	\$	5,475,117
2037	\$3,800,000	4.670%	\$	1,675,596	\$	5,475,596
2038	\$3,980,000	4.670%	\$	1,498,136	\$	5,478,136
2039	\$4,165,000	4.670%	\$	1,312,270	\$	5,477,270
2040	\$4,360,000	4.670%	\$	1,117,765	\$	5,477,765
2041	\$4,565,000	4.670%	\$	914,153	\$	5,479,153
2042	\$4,775,000	4.670%	\$	700,967	\$	5,475,967
2043	\$5,000,000	4.670%	\$	477,975	\$	5,477,975
2044	\$5,235,000	4.670%	\$	244,475	\$	5,479,475
	.					
	\$75,150,000		\$	45,342,684	\$1	20,492,684

	ISSUE:	1			ISSUE:	3		
	Authorization:	Act 34			Authorization:	Act 34		
	CUSIP:	-			CUSIP:	-		
	DESCRIP:	Various Capital II	mprovements		DESCRIP:	Refund and new	monev	
	AMOUNT:	\$4,200,000			AMOUNT:	\$5,150,000	,	
	TYPE:	GO CIB			TYPE:	GO CIB		
	FUND SOURCE:	General Funds			FUND SOURCE:	General Funds		
	DATED:	April 11,2013			DATED:	June 2, 2015		
	CALLABLE:	4/1/2022 @ Par			CALLABLE:	4/1/2024 @ Par		
Calendar	PRINCIPAL	RATE	INTEREST	TOTAL	PRINCIPAL	RATE	INTEREST	TOTAL
Year	(4/1)		(4/1 & 10/1)		(4/1)		(4/1 & 10/1)	
0000	0005 000	0.0000/	#40.000	#00F 000	#00F 000	0.0000/	007.440	0.400.4
2023	\$285,000	2.000%	\$40,600	\$325,600	\$335,000	3.000%	\$87,113	\$422,11
2024	\$290,000		\$34,669	\$324,669	\$345,000	3.000%	\$76,913	\$421,91
2025	\$295,000		\$28,269	\$323,269	\$355,000	3.000%	\$66,413	\$421,41
2026	\$305,000		\$21,138	\$326,138	\$360,000	3.000%	\$55,688	\$415,68
2027	\$310,000		\$13,063	\$323,063	\$375,000	3.000%	\$44,663	\$419,66
2028	\$320,000	2.750%	\$4,400	\$ 324,400	\$385,000	3.125%	\$33,022	\$418,02
2029					\$400,000	3.250%	\$20,506	\$420,50
2030					\$415,000	3.375%	\$7,003	\$422,00
2031								
2032								
2033								
2034								
2035								
2036								
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2038								
2039								
2040								
2041								
2042								
2043								
2044								
2045								
2046								
2047	¢1 005 000		£140.400	¢1 047 100	¢2.070.000		#204 240	to oct or
	\$1,805,000]	\$142,138	\$1,947,138	\$2,970,000	J	\$391,319	\$3,301,3

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	100115	4			100115	-			IOOUE	0		
	ISSUE:	4			ISSUE:	5			ISSUE:	6		
	Authorization:	Act 34			Authorization:	Act 34			Authorization:	Act 34		
	CUSIP:	483206			CUSIP:				CUSIP:			
	DESCRIP:	Refund and new	money		DESCRIP:	Refund and new r	noney		DESCRIP:	Refund 2008 2009		
		\$5,580,000			AMOUNT:	\$7,985,000			AMOUNT:	\$3,780,000		
	TYPE:	GO CIB and Refu	ınding		TYPE:	GO CIB			TYPE:	GO Refunding'		
		General Funds			FUND SOURCE:				FUND SOURCE:	General Funds		
	DATED:	July 19, 2016			DATED:	May 2, 2017			DATED:	August 29, 2017		
	CALLABLE:	4/1/2026 @ Par			CALLABLE:	10/1/2026 @ Par			CALLABLE:	Private Placement		
Calendar	PRINCIPAL	RATE	INTEREST	TOTAL	PRINCIPAL	RATE	INTEREST	TOTAL	PRINCIPAL	RATE	INTEREST	TOTAL
Year	(4/1)		(4/1 & 10/1)		(10/1)		(4/1 & 10/1)		(10/1)		(4/1 & 10/1)	
	, ,		,		, ,		,		, ,		,	
2023	\$365,000	4.000%	\$139,300	\$504,300	\$505,000	5.000%	\$219,100	\$724,100	\$765,000		\$22,302	
2024	\$385,000	4.000%	\$124,300	\$509,300	\$525,000	5.000%	\$193,850	\$718,850	\$415,000	1.890%	\$7,844	\$422,844
2025	\$395,000	4.000%	\$108,700	\$503,700	\$555,000	5.000%	\$167,600	\$722,600				
2026	\$415,000	4.000%	\$92,500	\$507,500	\$580,000	5.000%	\$139,850	\$719,850				
2027	\$430,000	4.000%	\$75,600	\$505,600	\$610,000	4.000%	\$110,850	\$720,850				
2028	\$390,000	4.000%	\$59,200	\$449,200	\$635,000	4.000%	\$86,450	\$721,450				
2029	\$410,000	4.000%	\$43,200	\$453,200	\$665,000	3.000%	\$61,050	\$726,050				
2030	\$430,000	4.000%	\$26,400	\$456,400	\$675,000	3.000%	\$41,100	\$716,100				
2031	\$445,000	4.000%	\$8,900	\$453,900	\$695,000	3.000%	\$20,850	\$715,850				
2032												
2033												
2034												
2035												
2036												
2037												
2038												
2039												
2040												
2041												
2042												
2043												
2044												
2045												
2046												
2047									1			
2047	\$3,665,000		\$678,100	\$4,343,100	\$5,445,000	+	\$1,040,700	\$6,485,700	\$1,180,000		\$30 146	\$1,210,14

	ISSUE:	7			ISSUE:	8			ISSUE:	9		
	Authorization:	Act 34				Act 34			Authorization:	Act 34		
	CUSIP:	-			CUSIP:	-			CUSIP:	4832068		
	DESCRIP:	Refund and new	money		DESCRIP:	Refund and new	money		DESCRIP:	Refund and new m	ioney	
	AMOUNT:	\$7,750,000	í		AMOUNT:	\$8,600,000	•		AMOUNT:	\$12,600,000	,	
	TYPE:	GO CIB			TYPE:	GO CIB			TYPE:	GO CIB		
	FUND SOURCE:	General Funds			FUND SOURCE:	General Funds			FUND SOURCE:	General Funds		
	DATED:	May 23, 2018			DATED:	12/11/19			DATED:	September 10, 202	20	
	CALLABLE:	4/1/2026 @ Par			CALLABLE:	None			CALLABLE:	10/1/2030 @ par		
		Ŭ								<u> </u>		
Calendar	PRINCIPAL	RATE	INTEREST	TOTAL	PRINCIPAL	RATE	INTEREST	TOTAL	PRINCIPAL	RATE	INTEREST	TOTAL
Year	(4/1)		(4/1 & 10/1)		(4/1)		(4/1 & 10/1)		(10/1)		(4/1 & 10/1)	
0000	# 450,000	F 0000/	#00F 07F	#07F 07F	#70F 000	5.0000/	#040 F00	#4.404.500	#00C 222	4.0000/	0000 010	M4 040 040
2023	\$450,000	5.000%	\$225,375	\$675,375	\$785,000	5.000%	\$319,500		\$880,000	4.000%	\$339,619	\$1,219,619
2024	\$470,000	5.000%	\$202,375	\$672,375	\$825,000	5.000%		\$1,105,250	\$920,000		\$304,419	\$1,224,419
2025	\$490,000	5.000%	\$178,375	\$668,375	\$865,000	5.000%		\$1,104,000	\$960,000		\$267,619	\$1,227,619
2026	\$515,000	5.000%	\$153,250	\$668,250	\$910,000	5.000%	\$195,750		\$755,000	4.000%	\$229,219	\$984,219
2027	\$535,000	4.000%	\$129,675	\$664,675	\$955,000	5.000%	\$150,250		\$565,000	4.000%	\$199,019	\$764,019
2028	\$565,000	4.000%	\$107,675	\$672,675	\$1,000,000	5.000%	\$102,500		\$585,000	4.000%	\$176,419	\$761,419
2029	\$585,000	3.000%	\$87,600	\$672,600	\$1,050,000	5.000%	\$52,500	\$1,102,500	\$610,000	4.000%	\$153,019	\$763,019
2030	\$600,000	3.000%	\$69,825	\$669,825					\$640,000	4.000%	\$128,619	\$768,619
2031	\$620,000	3.125%	\$51,138	\$671,138					\$660,000	2.000%	\$103,019	\$763,019
2032	\$640,000	3.125%	\$31,450	\$671,450					\$670,000		\$89,819	\$759,819
2033	\$660,000	3.250%	\$10,725	\$670,725					\$685,000		\$76,419	\$761,419
2034									\$705,000	2.000%	\$62,719	\$767,719
2035									\$715,000	2.000%	\$48,619	\$763,619
2036									\$310,000	2.125%	\$34,319	\$344,319
2037									\$315,000	2.125%	\$27,731	\$342,731
2038									\$325,000	2.125%	\$21,038	\$346,038
2039									\$330,000	2.125%	\$14,131	\$344,131
2040									\$335,000	2.125%	\$7,119	\$342,119
2041												
2042												
2043												
2044												
2045												
2046												
2047												
	\$ 6,130,000		\$1,247,463	\$7,377,463	\$6,390,000		\$1,339,750	\$7,729,750	\$10,965,000)	\$2,282,881	\$13,247,88

	ISSUE:	10			ISSUE:	11		
	Authorization:	Act 34			Authorization:	Act 34		
	CUSIP:	7101 04			CUSIP:	483207		
	DESCRIP:	Refunding of 2014 GO			DESCRIP:	Refund and new money		
	AMOUNT:	\$2,335,000			AMOUNT:	\$14,550,000		
	TYPE:	GO CIB			TYPE:	GO CIB		
	FUND SOURCE:	General Funds			FUND SOURCE:	General Funds		
	DATED:	April 27, 2021			DATED:	September 16, 2021		
	CALLABLE:	April 21, 2021			CALLABLE:	10/1/2030 @ par		
	CALLABLE.				CALLABLE.	10/1/2030 @ pai		
Calendar	PRINCIPAL	RATE	INTEREST	TOTAL	PRINCIPAL	RATE	INTEREST	TOTAL
Year	(10/1)		(4/1 & 10/1)		(10/1)		(4/1 & 10/1)	
2023	\$330,000	1.850%	\$39,868	\$369,868	\$1,085,000	4.000%	\$541,200	\$1,626,200
2024	\$330,000	1.850%	\$33,763	\$363,763	\$1,130,000		\$497.800	\$1.627.80
2025	\$320,000		\$27,750	\$347,750	\$1,180,000		\$452,600	\$1,632,60
2026	\$325,000	1.850%	\$21,784	\$346,784	\$1,180,000		\$405,400	\$1,620,40
2027	\$330,000		\$15,725	\$345,725	\$875,000		\$356,800	\$1,020,400
2028	\$340,000		\$9,528	\$349,528	\$585,000		\$321,800	\$906,800
2029	\$345,000	1.850%	\$3,191	\$348,191	\$605,000		\$298,400	\$903,400
2030					\$630,000		\$274,200	\$904,200
2031					\$655,000		\$249,000	\$904,000
2032					\$675,000		\$222,800	\$897,800
2033					\$710,000		\$195,800	\$905,80
2034					\$740,000		\$167,400	\$907,400
2035					\$765,000		\$137,800	\$902,800
2036					\$800,000		\$107,200	\$907,20
2037					\$350,000		\$75,200	\$425,200
2038					\$360,000		\$61,200	\$421,20
2039					\$375,000		\$46,800	\$421,800
2040					\$390,000		\$31,800	\$421,800
2041					\$405,000	4.000%	\$16,200	\$421,200
2042								
2043								
2044								
2045								
2046								
2047								
	\$2,320,000		\$151,608	\$2,471,608	\$13,530,00	0	\$4,459,400	\$17,989,40

		T					
	ISSUE:	12					
	Authorization:	Act 34					
	CUSIP:	ACI 34					
		Name					
	DESCRIP:	New money					
	AMOUNT:	\$13,510,000					
	TYPE:	GO CIB					
	FUND SOURCE:	General Funds					
	DATED:	September 20, 2022					
	CALLABLE:	10/1/2032 @ par			Total Ca	apital Improveme	ent Debt
	DDINGIBAL	DATE	WITEDEST	TOTAL	DDINGIDAL	INITEDENT	
Calendar	PRINCIPAL	RATE	INTEREST	TOTAL	PRINCIPAL	INTEREST	TOTAL
Year	(10/1)		(4/1 & 10/1)				
2023	\$520,000	5.000%	\$673,932	\$1,193,932	\$6,305,000	\$2,647,908	\$8,952,908
2024	\$575,000	5.000%	\$627,950	\$1,202,950	\$6,210,000	\$2,384,131	\$8,594,131
2025	\$600,000	5.000%	\$599,200	\$1,199,200	\$6,015,000	\$2,135,525	\$8,150,525
2026	\$635,000	5.000%	\$569,200	\$1,204,200	\$6,015,000	\$1,883,778	\$7,898,778
2027	\$665,000	5.000%	\$537,450	\$1,202,450	\$5,650,000	\$1,633,094	\$7,283,094
2028	\$695,000	5.000%	\$504,200	\$1,199,200	\$5,500,000	\$1,405,193	\$6,905,193
2029	\$740,000	5.000%	\$469,450	\$1,209,450	\$5,410,000	\$1,188,916	\$6,598,916
2030	\$770.000	5.000%	\$432,450	\$1,202,450	\$4,160,000	\$979,597	\$5,139,59
2031	\$810,000	5.000%	\$393,950	\$1,203,950	\$3,885,000	\$826,856	\$4,711,856
2032	\$850,000	5.000%	\$353,450	\$1,203,450	\$2,835,000	\$697,519	\$3,532,519
2033	\$725,000	5.000%	\$310,950	\$1,035,950	\$2,780,000	\$593,894	\$3,373,894
2034	\$760,000	5.000%	\$274,700	\$1,034,700	\$2,205,000	\$504,819	\$2,709,819
2035	\$790,000	5.000%	\$236,700	\$1,026,700	\$2,270,000	\$423,119	\$2,693,119
2036	\$835,000	5.000%	\$197,200	\$1,032,200	\$1,945,000	\$338,719	\$2,283,719
2037	\$875,000	5.000%	\$155,450	\$1,030,450	\$1,540,000	\$258,381	\$1,798,38
2038	\$250,000	5.000%	\$111,700	\$361,700	\$935,000	\$193,938	\$1,128,938
2039	\$260,000	5.000%	\$99,200	\$359,200	\$965,000	\$160,131	\$1,125,13
2040	\$275,000	4.000%	\$86,200	\$361,200	\$1,000,000	\$125,119	\$1,125,119
2041	\$285,000	4.000%	\$75,200	\$360,200	\$690,000	\$91,400	\$781,400
2042	\$300,000	4.000%	\$63,800	\$363,800	\$300,000	\$63,800	\$363,800
2043	\$240,000	4.000%	\$51,800	\$291,800	\$240,000	\$51,800	\$291,800
2044	\$250,000	4.000%	\$42,200	\$292.200	\$250,000	\$42,200	\$292,200
2045	\$255,000	4.000%	\$32,200	\$287,200	\$255,000	\$32,200	\$287,200
2046	\$270,000	4.000%	\$22,000	\$292,000	\$270,000	\$22,000	\$292,000
2047	\$280,000	4.000%	\$11,200	\$291,200	\$280,000	\$11,200	\$291,200
	\$13,510,000		\$6,931,732	\$20,441,732	\$67,910,000	\$18,695,235	\$86,605,23