

RESOLUTION NO. R-164-17

RESOLUTION APPROVING AND AUTHORIZING IMPLEMENTATION OF THE FIVE YEAR
 (2018-2022) CAPITAL IMPROVEMENT PLAN FOR WATER, CONSENT DECREE
 WASTEWATER AND NON CONSENT DECREE WASTEWATER
SYSTEMS, MAINTENANCE AND IMPROVEMENTS

BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE CITY OF FORT SMITH,
 ARKANSAS, THAT:

Section 1: The Capital Improvement Plan-Water, Attachment A, summarizing the costs for
 year 2018-2022, is hereby approved.

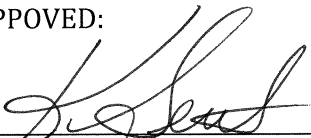
Section 2: The Capital Improvement Plan-Consent Decree Sewer, Attachment B,
 summarizing the costs for year 2018-2022, is hereby approved.

Section 3: The Capital Improvement Plan-Non Consent Decree Sewer, Attachment C,
 summarizing the cost for year 2018-2022, is hereby approved.

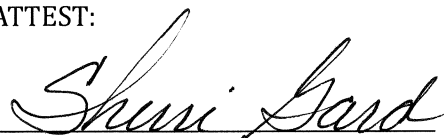
Section 4: The staff is directed to proceed with implementation of the 2018 Capital
 Improvement Plan.

This Resolution adopted this 17th day of November 2017.

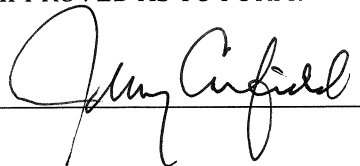
APPROVED:


 Vice-Mayor

ATTEST:


 City Clerk

APPROVED AS TO FORM:

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Water Exhibit A

	Exhibit A	<u>Water</u>				
Priority	Project Title	2018	2019	2020	2021	2022
1	Lee Creek-Scrubber - Replace Caustic in Tank (every 5 yr.)	\$ 20,000	-	-	-	-
2	Lee Creek-Drive Replacement (Replace Original Drives)	\$ 250,000	-	-	-	-
3	Lee Creek-Drive Replacement (Replace Original Drives)	\$ 250,000	-	-	-	-
4	Lee Creek-Drive Replacement (Replace Original Drives)	\$ 250,000	-	-	-	-
5	Annual water plant and supply improvements	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000
6	Lee Creek-Recirculation Pumps - Rebuild 7 pumps	\$ 80,000	-	-	-	-
7	Massard Pump Station Roof Replacement	\$ 25,000	-	-	-	-
8	Lake Fort Smith-Replace Intake Roof	\$ 150,000	-	-	-	-
9	Lake Fort Smith-Equipment Cover for Chemical Systems	\$ 40,000	-	-	-	-
10	Replace Stateline Road booster pump station	\$ 200,000				
11	Lee Creek Chlorination System (Pressure System to Vacuum System)	\$ 30,000	-	-	-	-
12	Jack Freeze standpipe and Broken Hill waterline Design	\$ 500,000	\$ 3,500,000			
13	Drive Replacement (1, Finished Water) (Convert Constant Drive to VFD)(Current Drive > 25 Yrs Old)	\$ 270,000	-	-		-
14	Cedar Flat Stream Bank Restoration - Lee Creek Watershed	\$ 180,000	-	-	-	-
15	Distribution repair, rehab, repl and improvements	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000
16	Equipment maintenance	\$ 1,500,000	\$ 1,500,000	\$ 1,500,000	\$ 1,500,000	\$ 1,500,000
		\$ 5,995,000				
	Construct finish water pump station		\$ 1,000,000	\$ 10,000,000		
	Replace approx 300 sub-standard fire hydrants		\$ 1,800,000			
	Water Tank Painting (Wildcat Mountain-Standpipe)		\$ 400,000	-	-	-
	Water Tank Painting (Luce Reservoir)		\$ 1,400,000			
	Replace 24 in line N. M St to Towson and S. I St.		\$ 500,000	\$ 3,130,000	\$ 2,500,000	
	Replace 12 in line Tennessee Road		\$ 245,200	\$ 1,640,000	\$ 1,640,000	

Water Exhibit A

	Chaffee Crossing, relocate 5100 ft of 18 in line		\$ 140,000	\$ 1,860,000		
	LFS 48 inch transmission line phase 3 - Design		\$ -	\$ 1,925,000	\$ -	
	Howard Hill ground storage and transmission line ext		\$ 800,000		\$ 5,350,000	\$ 5,350,000
	Downtown pressure reducing vales		\$ 200,000	\$ 2,000,000		
	Frog Bayou/ Stream Bank Restoration - Frog Bayou Watershed (Murdoch/Pense Phase II)		\$ 291,000	-	-	-
	Valve Positioner Replacement (Replace Original Positioners)		\$ 15,000	\$ 25,000	\$ 25,000	-
	Lee Creek-Four (4) Lime Mixer Motors Replace Every 2 yrs.		\$ 4,000	-	\$ 4,000	-
			\$ 14,045,200			
Priority	Project Title	2018	2019	2020	2021	2022
	Water Tank Painting (Crowe Hill Elv Tank)		-	\$ 400,000	-	-
	Moody Pump Station Roof Replacement			\$ 12,500		
	Fianna Hills Pump Station Roof Replacement		-	\$ 12,500	-	-
	Design 6 miles of 48 in line for 40 to 50 MGD exp			\$ 1,000,000		
	Lake Fort Smith-Replace 1960 Plant Filter Media		-	\$ 5,000,000	-	-
	Lee Creek-Ten (10) Polymer Pumps /Motors Replace		-	TBD	-	-
				\$ 30,757,020		
	Water Tank Painting (Country Club Tank)		-	-	\$ 400,000	-
	LFS 48 inch transmission line phase 2, construction				\$ 15,500,000	\$ 15,500,000
	Mt. Fork/Brown Stream Bank Restoration - Lee Creek Watershed		-	-	\$ 200,000	-
	Replace 4900 ft of 10 in line along Veterian Ave				\$ 500,000	
	Increase treatment plant capacity 40 MGD to 50 MGD				\$ 1,000,000	\$ 5,000,000
	N 6 street replace 12 in line				TBD	
					\$ 30,871,021	
	Water Tank Painting (The Woods Elv Tank)		-	-	-	\$ 375,000
	Water Tank Painting (Pense Tank)		-	-	-	\$ 200,000
	Frog Bayou Stream Bank Restoration - Frog Bayou Watershed (Upper Pense Property)		-	-	-	\$ 275,000
						\$ 30,452,022

	A	B	C	D	E	F	G
1		EXHIBIT B	Consent Decree				
2	Priority	Project Title	2018	2019	2020	2021	2022
3	1	Sub-Basins P002 & P003 Capacity Improvements, construction	\$ 4,500,000	\$ 4,500,000	\$ 1,000,000	-	-
4	2	Basin 12 Capacity improvements, construction	\$ 3,000,000				
5	3	2016 SSA Remedial Measures Construction	\$ 7,000,000	\$ 7,000,000	\$ 7,000,000	-	
6	4	2017 SSA Remedial Measures Design	\$ 1,200,000	-	-	-	-
7	5	2018 SSA (<i>Collection System Defect Remediation</i>) design	\$ 1,600,000				
8	6	Basin W001 Capacity Improvements, construction	\$ 781,433	\$ 781,433	\$ 781,433	-	-
9	7	Basin FL01 Capacity Improvements, design	\$ 386,850	\$ 730,717	\$ 730,717	-	-
10	8	Basin FL02 Capacity Improvements, design	\$ 299,850	\$ 566,383	\$ 566,383	-	-
11	9	Pump Station #5 Walnut (Design)	\$ 1,200,000				
12	10	Pump Station #6 Riverfront (Design)	\$ 720,000				
13			\$ 20,688,133				
14		Wheeler Ave Replacement		TBD			
15		2017 SSA (<i>Collection System Defect Remediation</i>)	-	TBD	-	-	-
16		Sewer Station #5 (Walnut) (Construction)		\$ 5,078,250	\$ 5,078,250	-	-
17		Sewer Station #6 (Riverfront) (Construction)		\$ 3,199,750	\$ 3,199,750	-	-
18		2017 SSA Remedial Measures	-	\$ 5,000,000	-	-	-
19		Basin 12 Collection System Defect Remediation		\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000
20		2017 SSA Remedial Measures Construction			\$ 7,000,000	\$ 7,000,000	\$ 7,000,000
21		Basin 10 & 14 Capacity Improvements Phase 1		\$ 1,000,000	\$ 5,000,000	\$ 4,000,000	-
22		2017 SSA Remedial Measures	-	\$ 5,000,000	-	-	-
23		2018 SSA Remedial Measures Contract 1	-	\$ 600,000	-	-	-
24		2018 SSA Remedial Measures Contract 1A	-	-	\$ 5,000,000	-	-

	A	B	C	D	E	F	G
25		2018 SSA Remedial Measures Contract 2	-	\$ 600,000		-	-
26		2018 SSA Remedial Measures Contract 2A	-	-	\$ 5,000,000	-	-
27		2019 SSA	-	\$ 1,600,000	-	-	-
28		Skyline Estates Capacity Improvements	-	\$ 321,000	\$ 600,000	-	-
29		Basin 10 & 14 Capacity Improvements Phase 2	-	\$ 399,100	\$ 660,050	-	-
30		Phoenix Ave Capacity Improvements	-	\$ 190,050	\$ 358,983	-	-
31				\$ 38,566,683			
32		2019 SSA Remedial Measures Contract 1	-	-	\$ 600,000	-	-
33		2019 SSA Remedial Measures Contract 1A	-	-	-	\$ 5,000,000	-
34		2019 SSA Remedial Measures Contract 2	-	-	\$ 600,000	-	-
35		2019 SSA Remedial Measures Contract 2A	-	-	-	\$ 5,000,000	-
36		2020 SSA	-	-	\$ 1,600,000	-	-
37					\$ 46,775,567		
38	Priority	Project Title	2018	2019	2020	2021	2022
39		2020 SSA Remedial Measures Contract 1				\$ 600,000	
40		2020 SSA Remedial Measures Contract 1A	-	-	-	-	\$ 5,000,000
41		2020 SSA Remedial Measures Contract 2	-	-	-	\$ 600,000	-
42		2020 SSA Remedial Measures Contract 2A	-	-	-	-	\$ 5,000,000
43		2021 SSA	-	-	-	\$ 1,600,000	-
44						\$ 25,802,021	
45		2021 SSA Remedial Measures Contract 1	-	-	-	-	\$ 600,000
46		2021 SSA Remedial Measures Contract 2	-	-	-	-	\$ 600,000
47		2022 SSA	-	-	-	-	\$ 1,600,000
48		Chaffee Crossing Pump Station and Force Main (60/40 City)	-	-	-	-	\$ 200,000
49							\$ 22,002,022

Exhibit C		Non-CD Wastewater				
Priority	Project Title	2018	2019	2020	2021	2022
1	Massard Rpl study, conceptual design, phasing plan	\$ 1,900,000	-	-	-	-
2	Massard-Paracetic Acid System (Replace UV)	\$ 500,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000
3	Annual Sewer Plant Improvements	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000
4	Drive Replacement @ Sunnymede	\$ 22,000	\$ 25,000	\$ 25,000	-	-
5	"P" Street-Four (4) Flowserve Gate Actuators	\$ 75,000	-	-	-	-
6	"P" Street #1 RAS Pump Discharge Gate Replacement	\$ 15,000	-	-	-	-
7	Massard-Conveyor For Sand at Sunnymede	\$ 15,000	-	-	-	-
8	Annual Sewer Plant Improvements	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000
		\$ 2,777,000				
	Tractor Shed	-	\$ 24,000	-	-	-
	Kelley Laboratory AC Units (10)	-	\$ 61,390	-	-	-
	Kelley Laboratory Make-Up Air Units (6)	-	\$ 63,100	-	-	-
	Valve Positioner Replacement (Replace Original Positioners)	-	\$ 15,000	\$ 25,000	\$ 25,000	-
	"P" Street Air Conditioner Replacement - Operations Building		\$ 52,000	-	-	-
	"P" Street Air Conditioner Replacement - Effluent Pump Station and Electrical Building		\$ 26,500	-	-	-
	"P" Street #2 Stabilization Basin Diffuser Replacement	-	\$ 57,000	-	-	-
			\$ 973,990			
	Massard-Replace Roof on Operations Building	-	-	\$ 150,000	-	-
	Massard-Replace Roof on Scum Building	-	-	\$ 150,000	-	-
	Massard-Install new Doors on Scum Building	-	-	\$ 25,000	-	-
	"P" Street #3 Stabilization Basin Diffuser Replacement	-	-	\$ 57,000	-	-
	Massard-Replace Thickener Drives and Scraper	-	-	\$ 300,000	-	-
	"P" Street-Two (2) Transfer Pumps Replacement with Chopper	-	-	\$ 350,000	-	-
				\$ 1,332,000		

	Project Title	2018	2019	2020	2021	2022
	Massard-Replace Sludge Pumps & Grinders for Filter Building	-	-	-	\$ 300,000	-
	Massard-Sludge Polymer System for Sludge Facility	-	-	-	\$ 100,000	-
	Massard-Purchase Spare RAS Pump	-	-	-	\$ 100,000	-
	Massard-Add Second Filter Press	-	-	-	\$ 750,000	-
	Sewer Station #18 (Ball Road) (Design)				\$ 333,000	-
	Sewer Station #20 (Fort Smith Park) (Design)	-	-	-	\$ 80,000	-
					\$ 2,340,021	
	Massard Wastewater Treatment Plant Replacement, construction	-				\$ 33,333,333
	"P" Street Biological Odor Scrubber Media Replacement	-	-	-	-	\$ 40,000
	Massard-Replace Recirculation Pumps	-	-	-	-	\$ 500,000
	Massard-Replace Clarifer Pumps in Primary Clarifier	-	-	-	-	TBD
	Massard-Complete Rehab Primary Clarifiers #1	-	-	-	-	\$ 2,200,000
	Massard-Complete Rehab Primary Clarifiers #2	-	-	-	-	\$ 2,200,000
	Massard-New Flow Meter for RAS Line	-	-	-	-	\$ 25,000
	"P" Street Bio-selector Mechanical Mixer Installation	-	-	-	-	\$ 500,000
	Sewer Station #18 (Ball Road) (Construction)					\$ 1,498,750
	Sewer Station #20 (Fort Smith Park) (Construction)	-	-	-	-	\$ 360,000
						\$ 41,309,105