



Appendix E: CIP Request by Funding Source by Year

Please consider the environment before printing this document.

Water CIP Requests by Funding Source by Year

Status CIP #	Project Description	FY 2018 I&E	FY 2018 Bonds	FY 2018 SRF/DWRF	FY 2019 I&E	FY 2019 Bonds	FY 2019 SRF/DWRF	FY 2020 I&E	FY 2020 Bonds	FY 2020 SRF/DWRF	FY 2021 I&E	FY 2021 Bonds	FY 2022 I&E	FY 2022 Bonds	Five Year Total
Water															
Active															
917	Springwells Water Treatment Plant 1958 Filter Rehabilitation and Auxiliary Facilities	\$ -	\$ 310		\$ -	\$ -		\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ 310
1026	Department-wide General Engineering Services on an As-needed Basis	114	-		-	-		-	-		-	-	-	-	114
1031	General Engineering Services	336	-		336	-		-	-		-	-	-	-	672
1147	As-needed Engineering Services for Concrete Testing, Geotechnical Soil Borings, other Testing Services, and Related Services	907	-		333	-		333	-		333	-	-	-	1,906
1182	General Engineering Services	772	-		-	-		-	-		-	-	-	-	772
1267	Replacement of Rapid Mix Units at Springwells WTP 1958 Process Train	-	75		-	78		-	-		-	-	-	-	153
1273	Low Lift Pumping Plant Caisson Rehabilitation at Northeast WTP	-	130		-	-		-	-		-	-	-	-	130
1280	Miscellaneous Mechanical Improvements at Lake Huron WTP	-	150		-	130		-	50		-	22	-	-	352
Active Total		2,129	665		669	208		333	50		333	22	-	-	4,409
Under Procurement															
1071	Springwells Water Treatment Plant - Low Lift and High Lift Pump Station	-	1,500		-	2,000		-	2,500		-	2,000	-	1,500	9,500
1280	Miscellaneous Mechanical Improvements at Lake Huron WTP	-	80		-	-		-	-		-	-	-	-	80
1293	Pressure and Control Improvements at the Electric, Ford Road, Michigan, and West Chicago Water Booster Pumping Stations	200	-		250	-		-	-		-	-	-	-	450
1305	New Waterworks Park to Northeast Transmission Main	1,500	-		2,000	-		-	-		-	-	-	-	3,500

Status CIP #	Project Description	FY 2018 I&E	FY 2018 Bonds	FY 2018 SRF/DWRF	FY 2019 I&E	FY 2019 Bonds	FY 2019 SRF/DWRF	FY 2020 I&E	FY 2020 Bonds	FY 2020 SRF/DWRF	FY 2021 I&E	FY 2021 Bonds	FY 2022 I&E	FY 2022 Bonds	Five Year Total
1318	Lake Huron WTP-Raw Sludge Clarifier and Raw Sludge Pumping System Improvements	-	50		-	920		-	321		-	-	-	-	1,291
1321	96-inch Main Relocation, Isolation Valves Installations, and New Parallel Main	1,500	-		-	-		-	-		-	-	-	-	1,500
1389	Springwells Reservoir Fill Line Improvements	-	100		-	-		-	-		-	-	-	-	100
Under Procurement Total		3,200	1,730		2,250	2,920		-	2,821		-	2,000	-	1,500	16,421
New															
1356	Transmission System Valve Assessment and Rehabilitation/Replacement	-	2,930		-	3,100		-	3,100		-	3,100	-	3,100	15,330
1366	Water Facility Lighting Renovations	933	-		933	-		933	-		-	-	-	-	2,799
1400	Water Transmission Main Asset Assessment Program	200	2,426		-	2,000		-	2,000		-	2,000	-	2,000	10,626
1401	Water Treatment Plant Automation Program	-	1,500		-	1,500		-	1,500		-	1,500	-	1,500	7,500
1405	Lyon Township Transmission Main Extension Project	-	10,500		-	12,000		-	6,000		-	-	-	-	28,500
1407	Springwells WTP Underground Fire Protection Loop Improvements	380	-		-	2,909		-	-		-	-	-	-	3,289
1410	Water Works Park WTP Chlorine System Upgrade	-	700		-	8,700		-	-		-	-	-	-	9,400
1412	Emergency Grating Replacement at Springwells WTP	-	2,000		-	-		-	-		-	-	-	-	2,000
1230c	30-Inch Water main	-	-		-	-		-	-		-	-	-	-	-
New Total		1,513	20,056		933	30,209		933	12,600		-	6,600	-	6,600	79,444
Not Yet Started															
1071	Springwells Water Treatment Plant - Low Lift and High Lift Pump Station	-	-		-	-		-	10,000		-	20,000	-	20,000	50,000
1166	Yard Piping, Valves and Venturi Meters Replacement at Water Works Park	-	5,500		-	27,900		-	20,500		-	-	-	-	53,900
1227	Energy Management: Lake Huron Water Treatment Plant Low Lift Pumping Improvements	-	2,500		-	3,000		-	-		-	-	-	-	5,500

Status CIP #	Project Description	FY 2018 I&E	FY 2018 Bonds	FY 2018 SRF/DWRF	FY 2019 I&E	FY 2019 Bonds	FY 2019 SRF/DWRF	FY 2020 I&E	FY 2020 Bonds	FY 2020 SRF/DWRF	FY 2021 I&E	FY 2021 Bonds	FY 2022 I&E	FY 2022 Bonds	Five Year Total
1230	Water Transmission Improvement Program	-	10,000		-	10,000		-	10,000		-	10,000	-	10,000	50,000
1256	Water Treatment Plant /Pump Station Allowance	-	19,650		-	20,000		-	20,000		-	10,000	-	10,000	79,650
1264	Water Production Flow Metering Improvements at NE, SW, and SPW WTP	8,800	-		2,100	-		1,000	-		-	-	-	-	11,900
1266	Administration Building Improvements at Springwells WTP	-	-		-	300		-	1,700		-	-	-	-	2,000
1267	Replacement of Rapid Mix Units at Springwells WTP 1958 Process Train	-	800		-	197		-	-		-	-	-	-	997
1268	Powdered Activated Carbon System Improvements at Springwells WTP	-	-		-	-		-	900		-	2,000	-	-	2,900
1269	1930 Sedimentation Basin Sluice Gates, Guides & Hoists Improvements at Springwells WTP	-	1,200		-	2,000		-	4,000		-	300	-	-	7,500
1270	Isolation Gate Valves for Line Pumps for West Service Center Pumping Station	-	521		-	1,000		-	-		-	-	-	-	1,521
1271	Hydraulic Surge Control for North Service Center Pumping Station	-	500		-	2,000		-	100		-	-	-	-	2,600
1272	Yard Piping Replacement at Northeast Water Treatment Plant	-	800		-	-		-	-		-	-	-	-	800
1273	Low Lift Pumping Plant Caisson Rehabilitation at Northeast WTP	1,053	-		-	-		-	-		-	-	-	-	1,053
1277	High Lift Pump Discharge Valve Actuators Replacement at Southwest WTP	-	160		-	900		-	900		-	-	-	-	1,960
1279	Roofing Systems Replacement at Water Plants and Booster Pump Stations	-	3,000		-	3,000		-	2,500		-	-	-	-	8,500
1280	Miscellaneous Mechanical Improvements at Lake Huron WTP	-	800		-	3,000		-	3,000		-	400	-	-	7,200
1288	Energy Management: Evaluate Alternatives and Recommend Corrective Actions to Improve Power Factors (PF) at Various GLWA Booster Pumping Stations	125	-		125	-		-	-		-	-	-	-	250

Status CIP #	Project Description	FY 2018 I&E	FY 2018 Bonds	FY 2018 SRF/DWRF	FY 2019 I&E	FY 2019 Bonds	FY 2019 SRF/DWRF	FY 2020 I&E	FY 2020 Bonds	FY 2020 SRF/DWRF	FY 2021 I&E	FY 2021 Bonds	FY 2022 I&E	FY 2022 Bonds	Five Year Total
1289	Evaluation of Flocculation Improvement Alternatives at the LHWTP	125	-		-	-		-	-		-	-	-	-	125
1291	As Needed Construction Materials, Environmental Media and Special Testing Services, Construction Inspection, and Other Technical Services	-	500		-	500		-	500		-	-	-	-	1,500
1292	Miscellaneous Improvements to Raw Water Tunnels, Shafts and Related Structures	-	1,000		-	1,000		-	500		-	-	-	-	2,500
1293	Pressure and Control Improvements at the Electric, Ford Road, Michigan, and West Chicago Water Booster Pumping Stations	-	-		2,550	-		-	-		-	-	-	-	2,550
1294	Energy Management: Freeze Protection Pump Installation at Imlay Pumping Station	-	200		-	500		-	300		-	-	-	-	1,000
1296	Needs Assessment Study for all Water Booster Pumping Stations	1,200	-		-	-		-	-		-	-	-	-	1,200
1297	Residual Handling Facility's Decant Flow Modifications at Southwest WTP	-	3,100		-	2,309		-	-		-	-	-	-	5,409
1298	Electrical Tunnel Rehabilitation at Lake Huron WTP	-	1,000		-	3,000		-	1,600		-	-	-	-	5,600
1299	Miscellaneous Concrete Improvements at the Lake Huron WTP	-	323		-	-		-	-		-	-	-	-	323
1300	Replacement of Filter Instrumentation and Raw Water Flow Metering Improvements at Lake Huron WTP	-	600		-	12,150		-	11,780		-	-	-	-	24,530
1301	Comprehensive Condition Assessment at Waterworks Park WTP	375	-		-	-		-	-		-	-	-	-	375
1303	Suburban Water Meter Pit Rehabilitation and Meter Replacement	-	4,000		-	4,000		-	4,000		-	4,000	-	4,000	20,000
1305	New Waterworks Park to Northeast Transmission Main	-	-		-	3,000		-	10,000		-	38,000	-	38,000	89,000

Status CIP #	Project Description	FY 2018 I&E	FY 2018 Bonds	FY 2018 SRF/DWRF	FY 2019 I&E	FY 2019 Bonds	FY 2019 SRF/DWRF	FY 2020 I&E	FY 2020 Bonds	FY 2020 SRF/DWRF	FY 2021 I&E	FY 2021 Bonds	FY 2022 I&E	FY 2022 Bonds	Five Year Total
1306	Yard Piping Improvements at Springwells WTP	-	-		-	2,000		-	7,000		-	8,000	-	8,000	25,000
1307	Steam, Condensate Return, and Compressed Air Piping Improvements at Springwells WTP	-	3,450		-	2,500		-	-		-	-	-	-	5,950
1318	Lake Huron WTP-Raw Sludge Clarifier and Raw Sludge Pumping System Improvements	-	-		-	-		-	5,842		-	-	-	-	5,842
1321	96-inch Main Relocation, Isolation Valves Installations, and New Parallel Main	-	-		-	6,000		-	35,900		-	31,700	-	31,700	105,300
1323	Transmission System Water Main Work - Replacement of Schoolcraft Water Main	-	-		-	7,300		-	7,250		-	-	-	-	14,550
1324	Transmission System Water Main Work-Wick Road Parallel Water Main	-	9,350		-	-		-	-		-	-	-	-	9,350
1325	Reservoir Inspection, Design and Rehabilitation at Imlay Station, Adams Station, Haggerty Station, LH-WTP, SP-WTP and SW-WTP	-	3,300		-	2,550		-	2,550		-	2,550	-	-	10,950
1326	Design and Construction of a new Newburgh Road 24" Main along Newburgh Road between Cherry Hill and Glenwood Avenue	-	1,800		-	2,200		-	-		-	-	-	-	4,000
1327	Pennsylvania, Springwells and Northeast Raw Water Supply Tunnel Improvements based on Contract CS-1623 Inspection Results	-	2,000		-	10,000		-	15,000		-	4,900	-	-	31,900
1334	Study Phase Services for Proposed East Service Center Booster Pumping Station and Reservoir	100	-		-	-		-	-		-	-	-	-	100
1336	West Service Center/Duval Rd Division Valve Upgrades	-	4,200		-	7,600		-	-		-	-	-	-	11,800
1343	Energy Management: Electric Metering Improvement Program	-	500		-	500		-	500		-	500	-	500	2,500
1347	Energy Management: West Service Center (WSC) VFD Installation	50	1,617		50	1,617		-	-		-	-	-	-	3,334

Status CIP #	Project Description	FY 2018 I&E	FY 2018 Bonds	FY 2018 SRF/DWRF	FY 2019 I&E	FY 2019 Bonds	FY 2019 SRF/DWRF	FY 2020 I&E	FY 2020 Bonds	FY 2020 SRF/DWRF	FY 2021 I&E	FY 2021 Bonds	FY 2022 I&E	FY 2022 Bonds	Five Year Total
1351	Water Main Replacement within the City of Detroit - Joy Rd from Greenfield to Schaefer and Davison Ave from Lindwood to Livernois	-	1,106		-	652		-	-		-	-	-	-	1,758
1355	Genesee and Lapeer County Transmission System Improvements	-	400		-	3,200		-	3,200		-	-	-	-	6,800
1389	Springwells Reservoir Fill Line Improvements	-	3,200		-	4,000		-	-		-	-	-	-	7,200
1403	Park-Merriman Water Main-Final Phase	-	1,800		-	2,200		-	-		-	-	-	-	4,000
1404	36-inch Water Main in Telegraph Road	-	5,061		-	-		-	-		-	-	-	-	5,061
Not Yet Started Total		11,828	93,938		4,825	152,075		1,000	179,522		-	132,350	-	122,200	697,738
Pending Close-out															
262	Southwest Water Treatment Plant, Sludge Treatment & Waste Washwater Treatment Facilities	-	1,793		-	-		-	-		-	-	-	-	1,793
1112	Parallel 42-Inch Main in 24 Mile Road from Rochester Station to Romeo Plank Road	-	715		-	-		-	-		-	-	-	-	715
1170	Booster Stations and Reservoirs Inspection, Rehabilitation and Inspection Repair Program	-	88		-	-		-	-		-	-	-	-	88
Pending Close-out Total		-	2,596		-	-		-	-		-	-	-	-	2,596
Total Water		\$18,670	\$118,985		\$8,677	\$185,412		\$2,266	\$194,993		\$333	\$140,972	\$-	\$130,300	\$800,608

Wastewater CIP Requests by Funding Source by Year

Status CIP #	Project Description	FY 2018 I&E	FY 2018 Bonds	FY 2018 SRF/DWRF	FY 2019 I&E	FY 2019 Bonds	FY 2019 SRF/DWRF	FY 2020 I&E	FY 2020 Bonds	FY 2020 SRF/DWRF	FY 2021 I&E	FY 2021 Bonds	FY 2022 I&E	FY 2022 Bonds	Five Year Total
Wastewater															
Active															
291	Rehabilitation of Primary Clarifiers Rectangular Tanks, Drain Lines, Electrical/Mechanical Building and Pipe Gallery	-	-	12,097	-	-	20,990	-	-	7,968	-	-	-	-	41,055
956	As-needed CIP Implementation Assistance and Related Services	100	-	-	-	-	-	-	-	-	-	-	-	-	100
961	Pump Station No. 2 Pumping Improvements	-	1,304	-	-	616	-	-	-	-	-	-	-	-	1,920
1026	Department-wide General Engineering Services on an As-needed Basis	114	-	-	-	-	-	-	-	-	-	-	-	-	114
1031	General Engineering Services	100	-	-	50	-	-	-	-	-	-	-	-	-	150
1141	Rehabilitation of Primary Clarifiers	-	240	-	-	120	-	-	-	-	-	-	-	-	360
1182	General Engineering Services	382	-	-	-	-	-	-	-	-	-	-	-	-	382
1189	Pump Station 1 Rack & Grit and MPI Sampling Station 1 Improvements	-	2,652	-	-	2,652	-	-	-	-	-	-	-	-	5,304
1194	Aeration System Improvements	-	97	-	-	16	-	-	-	-	-	-	-	-	113
1257	Water Resources Recovery Facility, Lift Station and Wastewater Collection System Structures Allowance	-	579	-	-	-	-	-	-	-	-	-	-	-	579
1309	Improvements to Sludge Feed Pumps at Dewatering Facilities	-	402	-	-	750	-	-	-	-	-	-	-	-	1,152
Active Total		696	5,274	12,097	50	4,154	20,990	-	-	7,968	-	-	-	-	51,229
Under Procurement															
1194	Aeration System Improvements	-	-	11,100	-	-	2,642	-	-	-	-	-	-	-	13,742
1221	Rehabilitation of Central Offload Facility	-	350	-	-	250	-	-	350	-	-	-	-	-	950
1263	Sewer and Interceptor Evaluation and Rehabilitation Program	-	22	-	-	-	-	-	-	-	-	-	-	-	22
1302	Rouge River Outfall (RRO) Disinfection (Alternative)	-	800	-	-	520	-	-	100	-	-	-	-	-	1,420

Status CIP #	Project Description	FY 2018 I&E	FY 2018 Bonds	FY 2018 SRF/DWRF	FY 2019 I&E	FY 2019 Bonds	FY 2019 SRF/DWRF	FY 2020 I&E	FY 2020 Bonds	FY 2020 SRF/DWRF	FY 2021 I&E	FY 2021 Bonds	FY 2022 I&E	FY 2022 Bonds	Five Year Total
1311	Modification to Incinerator Sludge Feed Systems at Complex -II	-	500		-	-		-	-		-	-	-	-	500
1315	Freud & Conner Creek Pump Station Improvements	-	2,000		-	-		-	-		-	-	-	-	2,000
1330	Scheduled Replacement Program of Critical Assets	-	1,279		-	-		-	-		-	-	-	-	1,279
1384	Rehabilitation of Combined Sewer Overflow (CSO) Retention Treatment Basins (RTB) Screening (Replaces CIP1313)	-	1,247		-	-		-	-		-	-	-	-	1,247
Under Procurement Total		-	6,198	11,100	-	770	2,642	-	450		-	-	-	-	21,160
New															
1357	Collection System Backwater Gates and Regulator Gates Rehabilitation	80	1,221		-	3,000		-	3,000		-	2,000	-	-	9,301
1381	Rehabilitation of the Screened Final Effluent (SFE) Pump Station and Secondary Water System	-	1,700		-	2,000		-	12,000		-	15,600	-	16,279	47,579
1382	Rehabilitation of Ferric Chloride Feed Systems	-	400		-	1,400		-	5,200		-	2,000	-	633	9,633
1383	Rehabilitation of the Ash Handling Systems	-	530		-	1,045		-	6,225		-	5,725	-	4,791	18,316
1384	Rehabilitation of Combined Sewer Overflow (CSO) Retention Treatment Basins (RTB) Screening (Replaces CIP1313)	-	1,000		-	6,400		-	9,000		-	7,200	-	3,610	27,210
1385	Rehabilitation of the Secondary Clarifiers	-	301		-	3,576		-	5,543		-	5,540	-	5,540	20,500
1386	Rehabilitation of the Circular Primary Clarifier Scum Removal System	-	266		-	324		-	1,870		-	2,671	-	2,670	7,801
1387	Roofing Systems Replacement at GLWA Water Resources Recovery Facility CSO Retention Treatment Basins (RTB) and Screening Disinfection Facilities (SDF)	-	2,200		-	2,060		-	1,060		-	1,050	-	540	6,910
1388	Wastewater System Wide Instrumentation & Control Software and Hardware Upgrade	-	-		-	-		-	-		-	3,125	-	2,737	5,862

Status CIP #	Project Description	FY 2018 I&E	FY 2018 Bonds	FY 2018 SRF/DWRF	FY 2019 I&E	FY 2019 Bonds	FY 2019 SRF/DWRF	FY 2020 I&E	FY 2020 Bonds	FY 2020 SRF/DWRF	FY 2021 I&E	FY 2021 Bonds	FY 2022 I&E	FY 2022 Bonds	Five Year Total
1391	Collection System In System Storage Devices (ISDs) Improvement	86	-		-	464		-	2,000		-	1,000	-	-	3,550
1392	Collection System Valve Remote Operation Structures Improvements	41	300		-	1,000		-	1,422		-	-	-	-	2,763
1393	Collection System Access Hatch Improvements	66	3,130		-	2,000		-	2,001		-	-	-	-	7,197
1399	Phosphorous Recovery at WRRF	-	-		500	-		2,000	-		6,250	-	6,250	-	15,000
1402	DTE Primary Electric 3rd Feed Supply to WRRF	-	3,500		-	3,500		-	-		-	-	-	-	7,000
1409	CSO Outfall Rehabilitation	-	6,000		-	6,000		-	6,000		-	6,000	-	6,000	30,000
1411	NIEA Evaluation and Rehabilitation from WRRF to Gratiot Ave. and Sylvester St.	-	7,000		-	7,000		-	7,000		-	-	-	-	21,000
New Total		273	27,548		500	39,769		2,000	62,321		6,250	51,911	6,250	42,800	239,622
Not Yet Started															
1140	Study/ Repair Potable Water, Screened Final Effluent, Natural Gas and Compressed Air Pipe Lines at the WRRF	-	690		-	1,900		-	1,150		-	1,210	-	-	4,950
1221	Rehabilitation of Central Offload Facility	-	-	5,500	-	-	6,500	-	-	4,000	-	-	-	-	16,000
1222	Replacement of Chlorination and Dechlorination Equipment at the WRRF	-	400		-	2,800		-	1,800		-	-	-	-	5,000
1223	Rehabilitation of Grit and Screening System at PS-2 and Rehabilitation of Sampling Sites at WRRF	-	2,500		-	2,500		-	-		-	-	-	-	5,000
1237	Rehabilitation of the Main Plant Maintenance Building, Replacement of Various Plant Maintenance Areas and Work Environment Improvement	-	1,500		-	6,000		-	5,400		-	-	-	-	12,900
1241	Fairview Pumping Station - Replace Four Sanitary Pumps	-	2,100		-	14,350		-	15,350		-	-	-	-	31,800

Status CIP #	Project Description	FY 2018 I&E	FY 2018 Bonds	FY 2018 SRF/DWRF	FY 2019 I&E	FY 2019 Bonds	FY 2019 SRF/DWRF	FY 2020 I&E	FY 2020 Bonds	FY 2020 SRF/DWRF	FY 2021 I&E	FY 2021 Bonds	FY 2022 I&E	FY 2022 Bonds	Five Year Total
1257	Water Resources Recovery Facility, Lift Station and Wastewater Collection System Structures Allowance	-	11,421		-	12,000		-	15,000		-	15,000	-	12,000	65,421
1263	Sewer and Interceptor Evaluation and Rehabilitation Program	218	7,760		240	7,760		600	19,400		-	20,000	-	20,000	75,978
1284	Complex I Incinerators Decommissioning and Reusability at Water Resources Recovery Facility (WRRF)	100	800		-	200		-	-		-	-	-	-	1,100
1285	Construction of new Industrial Waste Control Division and Analytical Laboratory Operations	-	5,000		-	2,000		-	-		-	-	-	-	7,000
1286	Oakwood District Intercommunity Relief Sewer Modification at Oakwood District	-	-		-	550		-	2,750		-	5,500	-	2,200	11,000
1287	Pump Station No. 2 Improvements Phase II at Water Resources Recovery Facility (WRRF)	-	600		-	1,700		-	4,800		-	3,700	-	-	10,800
1302	Rouge River Outfall (RRO) Disinfection (Alternative)	-	-	15,000	-	-	15,000	-	-	8,920	-	-	-	-	38,920
1311	Modification to Incinerator Sludge Feed Systems at Complex -II	-	9,100		-	7,822		-	-		-	-	-	-	16,922
1312	Rehabilitation of Main Lift Pumps at Pump Station No. 1	-	600		-	5,350		-	5,125		-	2,054	-	-	13,129
1314	Replacement of Bar Racks at Pump Station No.2	-	650		-	2,900		-	3,300		-	2,817	-	-	9,667
1315	Freud & Conner Creek Pump Station Improvements	500	3,400		-	5,100		-	2,460		-	1,000	-	-	12,460
1329	Detroit River Interceptor (DRI) Evaluation and Rehabilitation	300	500	9,200	150	250	4,600	-	400	4,600	-	-	-	-	20,000
1330	Scheduled Replacement Program of Critical Assets	1,500	2,221		-	5,000		-	5,000		-	5,000	-	5,000	23,721
1331	Northeast Pumping Station	780	1,628		-	10,920		-	13,000		-	-	-	-	26,328
1332	North Interceptor East Arm (NIEA) Evaluation and Rehabilitation	330	10,670		340	11,660		-	3,000		-	-	-	-	26,000
1343	Energy Management: Electric Metering Improvement Program	-	500		-	500		-	500		-	500	-	500	2,500

Status CIP #	Project Description	FY 2018 I&E	FY 2018 Bonds	FY 2018 SRF/DWRF	FY 2019 I&E	FY 2019 Bonds	FY 2019 SRF/DWRF	FY 2020 I&E	FY 2020 Bonds	FY 2020 SRF/DWRF	FY 2021 I&E	FY 2021 Bonds	FY 2022 I&E	FY 2022 Bonds	Five Year Total
1344	Sewage Meter Design, Installation, Replacement and Rehabilitation Program	-	500		-	500		-	500		-	500	-	500	2,500
Not Yet Started Total		3,728	62,540	29,700	730	101,762	26,100	600	98,935	17,520	-	57,281	-	40,200	439,096
Pending Close-out															
366	Underground Electrical Duct Bank Repair and EB-1, EB-2, and EB-10 Primary Power Service Improvements - WRRF	-	1,532		-	-		-	-		-	-	-	-	1,532
1254	Biosolids Dryer Facility at WRRF	-	60		-	26		-	-		-	-	-	-	86
Pending Close-out Total		-	1,592		-	26		-	-		-	-	-	-	1,618
Total Wastewater		\$4,697	\$103,152	\$52,897	\$1,280	\$146,481	\$49,732	\$2,600	\$161,706	\$25,488	\$6,250	\$109,192	\$6,250	\$83,000	\$752,725

Grand Total – CIP Requests by Funding Source by Year

Status CIP #	FY 2018 I&E	FY 2018 Bonds	FY 2018 SRF/DWRF	FY 2019 I&E	FY 2019 Bonds	FY 2019 SRF/DWRF	FY 2020 I&E	FY 2020 Bonds	FY 2020 SRF/DWRF	FY 2021 I&E	FY 2021 Bonds	FY 2022 I&E	FY 2022 Bonds	Five Year Total
Total Water	18,670	118,985		8,677	185,412		2,266	194,993		333	140,972	-	130,300	800,608
Total Wastewater	4,697	103,152	52,897	1,280	146,481	49,732	2,600	161,706	25,488	6,250	109,192	6,250	83,000	752,725
Grand Total	\$23,367	\$222,137	\$52,897	\$9,957	\$331,893	\$49,732	\$4,866	\$356,699	\$25,488	\$6,583	\$250,164	\$6,250	\$213,300	\$1,553,333