

2020-2024 CIP Water Future Planned Project Prioritization & Projected Funding

CIP	Title	Score	Prioritization Ranking	CoF	PoF	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	Notes
115005	Emergency WWP WTP Building Ventilation Improvements	76	1	4.0	3.5	7	507	3,907	650	-	-	-	-	-	-	-	
111001	LH WTP Low and High Lift Pumping, and Filter Backwash Pumps Improvements	72	2	2.7	5.0	-	401	1,611	3,169	4,450	10,000	12,713	12,641	7,403	-	-	
113003	SW WTP Low and High Lift Pumping & Rapid Mix Chamber BFVs, Sluice Gates, Flocculation & Filtration System Improvements	68	3	3.0	4.0	-	-	-	-	-	-	1,569	2,880	4,553	7,368	10,000	Project was delayed due to Financial prioritization
112006	NE WTP Flocculator Replacement	67	4	2.5	4.7	3	1,356	1,356	3	-	-	-	-	-	-	-	
132025	Northwest Booster Station Yard Piping Improvements	64	5	3.5	2.6	-	-	50	1,700	3,750	-	-	-	-	-	-	
111009	LH-WTP Two 35-MGD High Lift Pumps, Water Production Flow Meters and Yard Piping Improvements	62	6	3.1	3.1	16	9,030	10,030	7,030	-	-	-	-	-	-	-	The 96-inch transmission main relocation project (CIP 122004) is Dependent on the completion of this project
114010	SPW WTP Yard Piping and High Lift Header Improvements	62	7	2.3	4.4	-	-	-	-	-	72	451	15,723	15,723	15,723	15,723	Project can be delayed because engineering has mitigated a portion of the risk and recent assessments indicate piping in satisfactory condition
132012	Ypsilanti PS Improvements	61	8	2.3	4.3	28	585	865	2,855	4,205	1,319	-	-	-	-	-	
112005	NE Steel Cover Replacement	61	9	2.6	3.8	-	166	647	-	-	-	-	-	-	-	-	
331001	Roofing Systems Replacement at Water Plants and Booster Pump Stations	61	10	1.9	5.0	-	-	225	375	1,625	1,825	344	344	344	344	-	
122013	14 Mile Transmission Main Loop	58	11	2.8	3.2	-	751	1,315	1,507	13,420	12,000	13,769	11,608	56	-	-	Accelerated project needed to resolve redundancy issues
122016	Downriver Transmission Main Loop	58	12	2.8	3.2	-	297	964	3,051	10,763	22,122	-	-	-	-	-	Accelerated project needed to resolve redundancy issues
132016	North Service Center BPS Improvements	58	13	2.7	3.3	-	-	-	-	6	6,325	8,034	4,919	4,919	717	-	(1)
132021	Imlay BPS - Replace VFDs, Pumps, Motors and HVAC	58	14	2.7	3.3	-	-	-	-	6	2,103	3,988	5,542	470	-	-	(1)
132017	North Service Center BPS - On-Site & Off-Site Yard Piping & Valve Replacement	58	15	2.0	4.4	-	6	2,300	2,506	264	-	-	-	-	-	-	(1)
122007	Newburgh Road Transmission Main	57	16	2.7	3.1	-	-	-	-	30	5,209	-	-	-	-	-	(1)
132014	Adams Road Pumping Booster Pumping & Switch Gear Improvements	57	17	2.5	3.3	-	-	-	21	1,029	2,312	1,073	1,074	165	-	-	(1)
132015	Newburgh BPS - Pumping System & Building Upgrades	57	18	2.5	3.3	-	16	621	2,396	2,396	2,429	2,323	1,966	22	-	-	(1)
132018	Schoolcraft BPS - Pumps, Yard Piping, Valves & Reservoir Pumps & Underdrain System	57	19	2.5	3.3	-	-	10	1,958	2,048	3,048	1,078	2,065	357	-	-	(1)
132019	Wick Road BPS - Switchgear, Control Valves & Hydropneumatic Tank Replacement	57	20	2.5	3.3	-	-	-	6	1,009	4,554	-	-	-	-	-	(1)
132020	Franklin BPS - Isolation Gate Valves & Electrical Actuator Improvements	57	21	2.5	3.3	-	-	-	-	-	-	2,000	6,793	1,316	-	-	(1)
132022	Joy Road BPS - Replace Reservoir Pumps, Motors and Isolation Valves	57	22	2.5	3.3	-	-	-	-	6	6,103	-	-	-	-	-	(1)

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132010	West Service Center PS - Reservoir, Reservoir Pumping, and Division Valve Upgrades	54	23	2.1	3.7	-	2,620	7,430	15,570	8,910	2,606	-	-	-	-	-	(1)
112003	NE WTP High-Lift Pumping Station Electrical Improvements	51	24	1.9	3.6	-	-	-	-	-	-	1,490	2,109	7,289	18,023	20,000	(1)
<i>114017</i>	<i>SPW WTP Flocculator Drive Replacement</i>	47	25	2.0	2.9	-	-	-	10	2,314	4	-	-	-	-	-	
114007	SPW WTP Powdered Activated Carbon System Improvements	47	26	2.0	2.9	-	-	-	-	-	-	1,164	2,771	3	-	-	Project can be delayed because operations & engineering has mitigated risk. Prioritization has been modified based upon mitigation efforts underway
113006	SW WTP Chlorine Scrubber, Raw Water Screens & Related Improvements	47	27	2.1	2.7	-	-	-	-	-	-	7,032	-	-	-	-	
<i>122017</i>	<i>7 Mile/Nevada Transmission Main Rehab and Carrie/Nevada Flow Control Station</i>	44	28	2.2	2.2	-	1,040	6,050	6,910	3,750	2,750	-	-	-	-	-	
111008	LH WTP Architectural Programming - Laboratory and Admin Building Architectural Improvements Study	41	29	1.8	2.3	-	-	-	-	-	-	300	-	-	-	-	
114016	SPW 1958 Settled Water Conduit Concrete Replacement	37	30	1.3	2.7	-	206	656	-	-	-	-	-	-	-	-	
113007	SW WTP Architectural and Building Mechanical Improvements	36	31	1.3	2.6	-	-	-	-	-	-	-	9,334	9,334	9,334	9,334	
NOTES:																	
<i>(1)</i>	<i>Indicates projects that are New to the 2020-2024 CIP</i>																
(1)	Indicates values and/or timing that have changed since 2020-2024 CIP Preliminary Draft #1																
(1)	2015 Water Master Plan recommendations. Pump station needs assessment results will require adjustments to estimates and schedules.																

2020-2024 CIP Wastewater Future Planned Project Prioritization & Projected Funding

CIP	Title	Score	Prioritization Ranking	CoF	PoF	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	Notes
232003	Northeast Pumping Station	89	1	4.3	4.7	1,000	7,000	10,500	10,500	2,500	-	-	-	-	-	-	Project has been Accelerated in Preliminary Draft 2
216007	DTE Primary Electric 3rd Feed Supply to WRRF	83	2	4.1	4.1	2,108	1,381	3,374	-	-	-	-	-	-	-	-	Project is active and will be removed from the Risk Matrix
216006	Assessment and Rehabilitation of WRRF yard piping and underground utilities	76	3	3.7	4.0	-	323	5,258	3,849	4,500	3,500	4,000	3,423	-	-	-	Project was delayed due to Financial prioritization
211006	WRRF PS No. 1 Improvements	75	4	3.4	4.3	498	1,803	2,325	8,424	8,370	811	84	-	-	-	-	
212008	WRRF Rehabilitation of Intermediate Lift Pumps (ILPs)	73	5	3.6	3.7	-	229	500	656	6,727	5,910	6,811	-	-	-	-	
211005	WRRF PS No. 2 Improvements Phase II	73	6	3.4	4.0	-	-	684	711	611	8,668	5,463	5,463	-	-	-	Project is Dependent on the completion of another project
213006	WRRF Improvements to Sludge Feed Pumps at Dewatering Facilities	68	7	3.0	4.0	-	-	-	-	24	1,366	2,000	331	-	-	-	Project was delayed due to Financial prioritization
222003	North Interceptor East Arm (NIEA) Evaluation and Rehabilitation	65	8	3.2	3.4	500	15,000	14,500	-	-	-	-	-	-	-	-	Project has been accelerated
211007	WRRF PS #2 Bar Racks Replacements and Grit Collection System Improvements	65	9	3.0	3.7	6	269	1,329	2,039	6,306	7,838	49	-	-	-	-	Project has been delayed based upon resource limitations
213008	WRRF Rehabilitation of the Ash Handling Systems	58	10	2.5	3.6	-	111	1,111	5,525	9,574	2,184	-	-	-	-	-	
216008	Rehabilitation of Screened Final Effluent (SFE) Pump Station	56	11	2.3	3.5	51	1,091	991	9,475	7,805	5,535	-	-	-	-	-	
212007	WRRF Rehabilitation of the Secondary Clarifiers	53	12	2.3	3.3	-	-	-	-	71	933	6,000	7,676	7,000	7,000	1,438	Process is Dependent on determining a better screen process prior to project execution
211009	WRRF Rehabilitation of the Circular Primary Clarifier Scum Removal System	53	13	2.6	2.7	-	-	778	619	5,237	4,725	35	-	-	-	-	Project can be delayed because operations & engineering has mitigated risk. Prioritization has been modified based upon mitigation efforts underway
222001	Oakwood District Intercommunity Relief Sewer Modification at Oakwood District	52	14	2.8	2.2	-	-	-	3,800	10,077	10,077	10,077	4,000	-	-	-	
213005	WRRF Complex I Incinerators Decommissioning and Reusability	38	15	1.5	2.7	-	-	-	-	-	-	409	4,000	-	-	-	
BOLD	Indicates values and/or timing that have changed since 2020-2024 CIP Preliminary Draft #1																