

ID	Project Title	Total Project Cost
J01013	Preliminary Facility Electrical Upgrade	\$7,107,010
J01019	JI Force Main Assessment	\$737,061
J01021	Grit Basin Equipment Replacement	\$2,778,000
J01024	Harbor Siphon Structures & Adjacent Asset Modifications	\$19,553,000
J01025	High & Low Level Screw Pump Replacement	\$2,981,575
J01026	Primary Clarifier 2 & 8 Withdrawal Piping Replacement	\$1,200,000
J01027	Primary Clarification, Sludge and Scum Pumping	\$306,110
J01028	Primary Clarifier Drive Improvements	\$1,569,500
J02012	Aeration System Diffusers Replacement	\$1,328,939
J02013	East Plant RAS Header and Pump Replacement	\$1,904,736
J02015	Aeration Basin Concrete Rehabilitation	\$4,551,000
J04035	Greens Grade Train Replacement and Redundant Train Evaluation	\$5,388,001
J04037	Thickened Sludge Improvements	\$2,918,000
J04038	D&D Dryers Guillotine Gate Replacement	\$4,526,354
J04046	D&D ID Fan Energy Conservation	\$1,458,126
J04050	Dryer Feed and Discharge Screw Replacement	\$5,290,843
J04052	Milorganite Facilities Improvements Phase IV	\$6,023,957
J04057	Dryer Exhaust Duct Header Replacement	\$4,135,162
J04060	Sludge Cake Transport & Feed Conveyors Replacement	\$4,404,000
J04061	D&D PLC 5 Upgrades	\$7,898,039
J04064	Chaff System Improvements	\$14,269,244
J04065	D&D First Stage Classification Equipment Replacement	\$7,349,740
J04066	Milorganite Dust Suppressant System Upgrades	\$991,000
J04067	D&D South Cake Loadout System	\$828,209
J04068	E/B Tank Odor Removal	\$877,901
J04070	Milorganite Facilities Improvements Phase V	\$1,599,000
J04072	Milo Transport and Silo Storage Equipment Replacement	\$5,655,400
J04073	D&D Dust Collection System	\$498,000
J04074	Milorganite Packaging Facility	\$23,825,000
J04075	Dewatering & Drying Belt Filter Press Overhauls at JI WRF	\$2,417,500
J06032	JI Geotechnical Structural Analysis	\$1,495,634
J06050	JI I&C Improvements	\$1,734,407
J06054	ISS Crane Rehabilitation	\$1,591,292
J06056	Turbine Extended Service Agreement	\$14,661,332
J06061	Dryer Conversion for Additional LFG	\$7,733,038
J06064	Gaseous Fire Suppression Systems	\$930,045
J06065	Rolling Stock & Other Equipment	\$7,469,921
J06066	Power System Improvements	\$2,023,630
J06068	JI & SS Network Optimizations	\$821,706
J06069	JI Building Roof Replacement - Phase 3	\$2,953,014
J06073	Harbor Siphons Area Settlement Mitigation	\$161,605
J06075	2018 JI Capital Equipment Rehabilitation/Replacement	\$15,628,145
J06076	Turbine Waste Heat Expansion Joint 12 & 13 Replacement	\$707,000
J06078	JI WRF Odor Assessment	\$550,000
J06081	JI WRF Phase 1 MCC Replacements	\$5,074,290
J06082	Flood Resiliency Improvements	\$1,500,000
J06083	HVAC System Improvements - Bldgs 234, 235, 243, & 256	\$1,847,000
J06084	W3 & W4 System Modifications	\$456,600

J06085	Administrative/Maintenance Space Planning Analysis	\$750,000
J06086	Building Roof Replacement Phase 4	\$355,500
J06087	2025-2029 JI Capital Equipment Replacement	\$12,500,000
J06089	Flow Meter Replacement	\$2,349,000
J99003	Operator Contribution to CIP	\$300,000
S01009	Scum System Improvements	\$741,092
S01013	Primary Clarifier Rehabilitation	\$15,361,345
S01015	Grit Equipment Replacement	\$5,488,000
S02008	SS Capacity Improvements	\$7,439,001
S02012	Biological Phosphorous Removal	\$324,624
S02013	Aeration Galleries RAS Header Piping Rehab	\$7,414,504
S02014	Secondary Clarifier Idling Control	\$546,000
S02015	Aeration Basin Diffuser Replacement	\$24,933,000
S02017	Process Air Header Improvements	\$250,000
S03003	Post-Secondary Capacity Improvements	\$2,690,000
S03004	Effluent Pump MCC and VFD Upgrade	\$1,100,000
S04010	Thickening Process Capacity Enhancements	\$2,611,000
S04012	Plate and Frame Press Upgrade	\$790,855
S04029	Digester Mixing II	\$4,619,000
S04030	Aeration Basin Concrete Rehab - Phase III	\$2,588,653
S04031	Digester Gas Treatment System	\$5,000,094
S04033	Aeration Basin Concrete Rehab - Phase IV	\$2,523,000
S04034	High Strength Waste Mixing Improvements	\$356,019
S04035	Digester 6 & 8 Mixer Replacement	\$3,246,587
S04036	Bldg. 383 HVAC Replacement	\$735,160
S06019	Replace W3 Flushing Water Pumps	\$1,370,217
S06022	Building 326 Site Improvements	\$586,896
S06027	Tunnels Concrete Rehabilitation	\$4,023,925
S06028	Central Control Building H2S Removal System	\$1,425,526
S06029	Med Voltage Switchgear Replacement	\$4,006,297
S06033	Upgrade Medium & Low Voltage MCC's	\$3,398,597
S06034	Building Roof Replacement Phase III	\$2,289,289
S06036	Gas Compressor 5 DG Enhancements	\$168,301
S06038	2018 SS Capital Equipment Rehabilitation/Replacement	\$18,199,556
S06039	Building Roof Replacement Phase IV	\$1,165,500
S06040	SS Network Optimization	\$443,812
S06043	SS Buffer Zone	\$113,789
S06047	Protective Relay Synchronization	\$410,300
S06048	Building Roof Replacement Phase 5	\$1,957,000
S06049	2025-2029 SS Capital Equipment Replacement	\$12,500,000
P01005	Interplant Pipeline Improvements - Phase II	\$28,710,293
P01006	Replace IPS Pipes within South Shore WRF Property	\$6,803,600
P02003	LFG Pipeline Pigging Station	\$2,540,772
P02004	Landfill Gas System - Metro Landfill	\$13,071,000
	Total Reclamation Facilities	\$419,906,171

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C01006	150" MIS Preliminary Engineering	\$1,400,858
C02009	Hydrogen Sulfide & Odor Mitigation Study	\$1,270,981
C02010	Force Main Franklin Muskego Rehabilitation Project	\$2,835,241
C02011	Force Main Greenfield Park Rehabilitation Project	\$2,367,326
C02012	10th Avenue MIS Lateral Reconstruction	\$108,536
C02013	Oak Creek Southwest MIS Extension	\$14,819,000
C04005	Martha Washington/Highlands MIS Rehab	\$5,184,435
C04010	Mill/Green Bay/Green Tree MIS Relief	\$51,036,968
C04013	Brown Deer Road Sewer	\$2,124,771
C05041	CMIS - Basin H PCB Remediation and Rehabilitation (C016)	\$12,343,049
C05051	Edgewood MIS Extension	\$17,550,037
C05053	River Road MIS & Glendale Sewer	\$60,467,982
C05055	BS0503 Facility Upgrades	\$14,034,431
C05057	I-43 MIS Improvements	\$70,000
C06022	Conveyance Structures Improvements	\$1,030,000
C06023	VA Grounds MIS Relocation	\$2,585,600
C07035	Mitchell Park PCB Sewer Improvements	\$3,583,499
C07036	Siphons Improvements	\$1,900,761
C07037	South Shore Force Main Assessment	\$989,422 <u>1,082,310</u>
C98044	MIS Abandonment	\$1,424,364
C98047	Access Hatch Covers	\$3,600,000
C98048	Gravity Overflow Conversion to Pump Overflow	\$6,786,523
C98052	Miscellaneous Sewer Rehab	\$438,919
C98055	Conveyance Equipment Replacement	\$3,104,861
C98056	Conveyance System Modeling Software Improvements	\$2,676,810
C98060	SSO Elimination Study	\$138,810
C98061	Assess Condition of CSO Piping	\$97,000
C98062	2025-2029 Conveyance Capital Equipment Replacement	\$2,000,000
I03008	CSO102 Rehabilitation - Humbolt	\$1,258,064
I03011	Outfall Backflow Prevention	\$991,218
I05002	CSO 195 Relocation	\$3,501,100
I06001	NS12 Collector System Improvements	\$22,341,548
K01012	Conveyance SCADA Upgrade	\$8,085,195
	Total Conveyance Projects	\$252,147,308 <u>240,196</u>

ID	Project Title	Total Project Cost
W10001	Milwaukee River Flood Mgt	\$49,884,584
W10002	Estabrook Dam Removal	\$2,570,001
W10004	Milwaukee River Planning Study – Capitol to Bender	\$1,725,428
W11030	E - North 30th Street Corridor Wet Weather Relief - East	\$15,161,929
W11031	W - North 30th Street Corridor Wet Weather Relief - West	\$43,127,918
W13002	Indian Creek Improvements	\$307,036
W15001	Beaver Creek Flood Management	\$3,090,000
W16001	Milwaukee River Lake Estuary Study	\$344,620
W20018	Concordia Avenue	\$5,084,431
W20023	Phase II Menomonee River Stream Mgt	\$3,150,067
W20027	Western Milwaukee Phase 2A	\$2,164,395
W20028	Western Milwaukee Phase 2B	\$30,599,416
W20029	Western Milwaukee Real Estate & Environmental Assessment	\$7,476,826
W20031	Memonomee River Estuary Study	\$304,079
W20033	Menomonee River Levee System Accreditation	\$3,595,000
W21006	Phase II - Underwood Creek Reach 1, Phase II - CR	\$7,274,307
W21007	Underwood Creek Reach 2 - CR	\$21,600,002
W22001	Underwood Creek S. Branch, Reach 1 - CR	\$17,969,900
W22002	Underwood Creek S. Branch, Reach 2 - CR	\$14,098,143
W24002	Honey Creek Reach 6 - CR	\$12,922,427
W24003	Honey Creek Reach 5 - CR	\$15,059,170
W24004	Honey Creek Reach 4 - CR	\$12,414,415
W24005	Honey Creek Watercourse Mgmt. Plan & BMPs	\$326,894
W24006	Honey Creek USACE Habitat Improvement Feasibility Study	\$575,000
W24007	Honey Creek Reach 2 - CR	\$14,933,620
W24010	State Fair Culvert Preliminary Engineering	\$243,813
W28001	Schoonmaker Creek	\$10,732,373
W28002	Daylighting Schoonmaker Creek	\$5,134,207
W29001	Menomonee River Lake Estuary Study	\$43,128
W29002	Burnham Canal	\$7,931,116
W34002	Phase 2 Root River W. Branch Flood Management Study	\$50,553
W35003	Lower Whitnall Park Creek Flood Mgt II	\$117,637
W39002	Hale Creek Flood Management	\$138,975
W40002	KK River Real Estate Decon./Demo. & Pulaski Park	\$38,579,624
W40007	KK River Reach 3 - CR	\$14,350,727
W40008	KK River S. 6th to S. Chase Flood Mgt	\$5,729,893
W40009	Jackson Park	\$44,809,929
W40010	KK River Watershed	\$4,819,722
W40011	KK River I-94 to Becher	\$19,004,334
W40012	KK River - 6th to 16th St.	\$43,715,441
W40013	KK River - Railroad to 27th St.	\$30,139,621
W40014	KK River - 43rd St. Bridge Replacement	\$2,479,576
W40016	KK River Sewer Modifications	\$4,331,730
W40017	KK River Soil Disposal Site	\$12,050,000
W41001	KK River Flood Management - Lyons Creek (W026)	\$15,071,791
W41003	Lyons Park Creek Streambank Stabilization	\$812,644
W42003	43rd Street Ditch Reach 1 - CR	\$28,758,052
W43003	Villa Mann Creek Tributary Culvert Improvement	\$3,767,098

W45002	Wilson Park Creek Reach 3 - CR	\$31,547,169
W45003	Wilson Park Creek Reach 2 - CR	\$42,711,177
W45004	Wilson Park Creek Reach 4 - CR	\$9,128,140
W45005	Wilson Park	\$38,803,742
W50005	Oak Creek Flood Management - Floodproofing/Acquisition	\$8,618,857
W50006	Oak Creek Watershed Restoration Plan	\$342,897
W61002	Fish Creek Flood Acquisitions	\$119,184
W91001	Phase II Corridor & SEWRPC Studies	\$2,806,998
W96001	Fresh Coast Implementation	\$7,213,117
W97003	GMRCPP - Great Milwaukee Regional Conservation Partnership Program	\$4,999,707
W97005	Working Soils and MRWCP 2021-2026	\$7,545,000
	Total Watercourse Projects	\$732,407,580

ID	Project Title	Total Project Cost
G98002	Fresh Coast Green Solutions Phase 2	\$3,240,578
G98004	Fresh Coast Implementation Phase 2	\$17,455,653
G98011	Alternative Project Delivery / Community-Based GI	\$20,630,500
G98012	Urban Tree System to Address Climate Change	\$600,462
G98013	National Fish & Wildlife Foundation Funding Partnership	\$1,292,643
G98015	Strategic GI Implementation	\$5,915,197
M01007	KK River Flushing Station Improvements	\$16,665,989
M01023	Wharf Wall Improvements	\$1,610,431
M01029	HQ Wharf Wall System Restoration	\$1,701,251
M01032	N. 44th Street Property Restoration (Miller Park Area)	\$2,199,999
M01033	4044 N. 31st Street Demolition/Deconstruction	\$969,302
M01034	HQ Parking Lot Solar Powered Electric Vehicle Charging Stations	\$509,908
M01037	HQ and Lab Facility Improvements	\$3,936,363
M01038	Water Quality Equipment Procurement	\$294,000
M01040	13th Street Upgrades	\$1,107,719
M01042	District Rolling Stock	\$910,000
M01043	KK River Trash Wheel - Drive Access	\$102,000
M03029	Water Quality Studies	\$5,896,254
M03051	Alternative Energy Planning	\$504,462
M03059	TMDL Studies	\$2,851,462
M03088	Corridor Study, Phase 5	\$2,418,608
M03091	Ad Hoc Water Quality Studies 2017-2021	\$2,742,343
M03098	Monitoring for Capital Project Development and Support	\$22,565,244
M03102	Biosolids Advanced Facility Planning	\$782,020
M03107	WRF Master Model	\$200,000
M03108	Impact of Water Levels on MMSD Assets	\$1,123,500
M03109	Energy Plan for MMSD Facilities	\$800,000
M03110	NFPA 820 WRF Evaluation	\$440,300
M03111	Corridor Study Phase VI	\$3,815,163
M03112	Instrumentation & Control Planning	\$985,000
M03113	WRF Disinfection Assessment (JI and SS)	\$200,000
M03114	Discovery World Water Exhibit	\$450,000
M03037	2050 Facilities Planning - Ultimate Build-out	\$12,805,769
M10004	PPI/I Implementation Phase 2 (Labor)	\$10,108,057
M10006	PPII Research and Development	\$3,536,946
M10007	PPII Residential	\$6,300,000
M04003	Fresh Coast Fresh Start	\$500,000
M06011	Information Technology Software Systems	\$1,172,435
M06013	Capital Program Management System	\$1,492,652
M06016	ERP Implementation	\$6,253,261
	Total Other Projects/Programs	\$167,085,470