

ID	Project Title	Total Project Cost
J01013	Preliminary Facility Electrical Upgrade	\$4,533,814
J01019	JI Force Main Assessment	\$737,061
J01021	Grit Basin Equipment Replacement	\$2,685,154
J01023	Primary Clarifier 4 & 6 PSD Withdrawal Piping Replacement	\$959,843
J01024	Harbor Siphon Structures & Adjacent Asset Modifications	\$14,437,045
J01025	High & Low Level Screw Pump Replacement	\$3,123,574
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	\$1,509,500
J02011	Upgrade Secondary Clarifier Drain Valves	\$608,434
J02012	Aeration System Diffusers Replacement	\$3,732,595
J02013	East Plant RAS Header and Pump Replacement	\$1,904,735
J02015	Aeration Basin Concrete Rehabilitation	\$4,478,576
J04035	Greens Grade Train Replacement and Redundant Train Evaluation	\$5,387,386
J04037	Thickened Sludge Improvements	\$1,515,062
J04038	D&D Dryers Guillotine Gate Replacement	\$3,576,157
J04039	D&D Building Explosion Relief Panel Replacement	\$2,962,732
J04040	D&D Freight & Passenger Elevator Rehab	\$2,725,194
J04041	Milorganite Facilities Improvement - Phase III	\$5,616,823
J04046	D&D ID Fan Energy Conservation	\$1,458,127
J04047	Install Winches at Chaff Load out Bay	\$270,461
J04050	Dryer Feed and Discharge Screw Replacement	\$5,240,844
J04051	MRAB Feed Screw Replacements	\$595,612
J04052	Milorganite Facilities Improvements Phase IV	\$6,123,115
J04057	Dryer Exhaust Duct Header Replacement	\$4,066,662
J04060	Sludge Cake Transport & Feed Conveyors Replacement	\$7,900,984
J04061	D&D PLC 5 Upgrades	\$7,533,027
J04064	Chaff System Improvements	\$13,829,233
J04065	D&D First Stage Classification Equipment Replacement	\$9,903,519
J04066	Milorganite Dust Suppressant System Upgrades	\$716,499
J04067	D&D South Cake Loadout System	\$828,209
J04068	E/B Tank Odor Removal	\$877,900
J04070	Milorganite Facilities Improvements Phase V	\$1,545,554
J04072	Milo Transport and Silo Storage Equipment Replacement	\$5,793,440
J04074	Milorganite Packaging Facility	\$23,767,640
J06032	JI Geotechnical Structural Analysis	\$1,481,634
J06050	JI I&C Improvements	\$1,734,283
J06054	ISS Crane Rehabilitation	\$1,921,270
J06056	Turbine Extended Service Agreement	\$14,661,332
J06058	JI Building Roof Replacement - Phase II	\$2,871,653
J06059	Gas Turbine Replacement - Phase II	\$19,692,870
J06061	Dryer Conversion for Additional LFG	\$7,594,095
J06062	Re-Commission GE Turbine #2	\$1,883

J06064	Gaseous Fire Suppression Systems	\$930,046
J06065	Rolling Stock & Other Equipment	\$7,469,992
J06066	Power System Improvements	\$1,636,740
J06068	JI & SS Network Optimizations	\$821,706
J06069	JI Building Roof Replacement - Phase 3	\$2,953,177
J06073	Harbor Siphons Area Settlement Mitigation	\$131,033
J06075	2018 JI Capital Equipment Rehabilitation/Replacement	\$8,004,741
J06076	Turbine Waste Heat Expansion Joint 12 & 13 Replacement	\$634,350
J06081	JI WRF Phase 1 MCC Replacements	\$5,074,290
J99003	Operator Contribution to CIP	\$300,000
S01009	Scum System Improvements	\$741,294
S01013	Primary Clarifier Rehabilitation	\$14,561,344
S01015	Grit Equipment Replacement	\$3,527,001
S02008	SS Capacity Improvements	\$6,632,294
S02012	Biological Phosphorous Removal	\$4,993,677
S02013	Aeration Galleries RAS Header Piping Rehab	\$6,680,909
S02014	Secondary Clarifier Idling Control	\$538,444
S02015	Aeration Basin Diffuser Replacement	\$26,939,646
S03002	SS Chloramination	\$715,679
S03003	Post-Secondary Capacity Improvements	\$1,994,934
S03004	Effluent Pump MCC and VFD Upgrade	\$992,541
S04010	Thickening Process Capacity Enhancements	\$2,596,442
S04012	Plate and Frame Press Upgrade	\$767,855
S04024	2019 Reference - Aeration Basin Concrete Rehab - Phase II	\$63,321
S04029	Digester Mixing II	\$4,704,289
S04030	Aeration Basin Concrete Rehab - Phase III	\$2,802,273
S04031	Digester Gas Treatment System	\$4,973,141
S04033	Aeration Basin Concrete Rehab - Phase IV	\$2,417,612
S04034	High Strength Waste Mixing Improvements	\$352,805
S04035	Digester 6 & 8 Mixer Replacement	\$2,695,066
S04036	Bldg. 383 HVAC Replacement	\$526,103
S06019	Replace W3 Flushing Water Pumps	\$1,444,107
S06022	Building 326 Site Improvements	\$763,682
S06027	Tunnels Concrete Rehabilitation	\$4,144,126
S06028	Central Control Building H2S Removal System	\$1,425,525
S06029	Med Voltage Switchgear Replacement	\$3,913,998
S06032	SS Rolling Stock & Other Equipment	\$3,823,964
S06033	Upgrade Medium & Low Voltage MCC's	\$3,451,234
S06034	Building Roof Replacement Phase III	\$2,289,444
S06036	Gas Compressor 5 DG Enhancements	\$246,302
S06038	2018 SS Capital Equipment Rehabilitation/Replacement	\$8,407,092
S06039	Building Roof Replacement Phase IV	\$2,012,074
S06040	SS Network Optimization	\$443,812
S06043	SS Buffer Zone	\$156,380

P01003	Interplant Pipeline Improvements at South Shore	\$2,674,713
P01005	Interplant Pipeline Improvements - Phase II	\$22,545,260
P01006	Replace IPS Pipes within South Shore WRF Property	\$5,024,511
P02003	LFG Pipeline Pigging Station	\$2,602,685
P02004	Landfill Gas System - Metro Landfill	\$12,509,854
	Total Reclamation Facilities	\$398,461,148

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C01006	150" MIS Preliminary Engineering	\$974,858
C02008	Force Main Rehabilitations	\$1,996,215
C02009	Hydrogen Sulfide & Odor Mitigation Study	\$1,272,591
C02010	Force Main Franklin Muskego Rehabilitation Project	\$1,248,086
C02011	Force Main Greenfield Park Rehabilitation Project	\$2,536,205
C02012	10th Avenue MIS Lateral Reconstruction	\$98,958
C02013	Oak Creek Southwest MIS Extension	\$14,529,000
C03009	107th St. MIS Improvement	\$628,488
C04002	Honey Creek MIS Rehab	\$3,141,215
C04003	Roosevelt Drive MIS Rehab	\$7,134,020
C04005	Martha Washington/Highlands MIS Rehab	\$4,880,824
C04010	Mill/Green Bay/Green Tree MIS Relief	\$52,510,327
C04011	Martha Washington Dr. MIS Segment Rehabilitation	\$331,038
C04013	Brown Deer Road Sewer	\$2,353,986
C05041	CMIS - Basin H PCB Remediation and Rehabilitation (C016)	\$7,538,283
C05044	Estabrook Park MIS Rehab	\$10,612,630
C05051	Edgewood MIS Extension	\$11,549,137
C05053	River Road MIS & Glendale Sewer	\$17,725,981
C05055	BS0503 Facility Upgrades	\$138,431
C06017	South 6th Street & Warnimont MIS Rehab	\$20,774,610
C06018	Oklahoma Ave MIS Rehab	\$9,543,641
C06022	Rehabilitate Structures - 4th & Scott/7th & Scott	\$326,968
C07035	Mitchell Park PCB Sewer Improvements	\$3,514,845
C07036	Siphons Improvements	\$1,900,761
C07037	South Shore Force Main Assessment	\$989,424
C98044	MIS Abandonment	\$1,183,864
C98047	Access Hatch Covers	\$3,233,545
C98048	Gravity Overflow Conversion to Pump Overflow	\$6,786,525
C98052	Miscellaneous Sewer Rehab	\$438,919
C98053	Conveyance Gate Rehab, Phase 4	\$2,933,712
C98054	Force Main Cathodic Protection	\$770,393
C98055	Conveyance Equipment Replacement	\$600,000
C98056	Conveyance System Modeling Software Improvements	\$2,512,559
C98060	SSO Elimination Study	\$138,810
I03008	CSO102 Rehabilitation - Humbolt	\$1,333,845
I03011	Outfall Backflow Prevention	\$991,218
I06001	NS12 Collector System Improvements	\$18,420,664
K01012	Conveyance SCADA Upgrade	\$8,085,694
I98003	Miscellaneous Outfall Improvements	\$21,244
	Total Conveyance Projects	\$225,701,514

ID	Project Title	Total Project Cost
W10001	Milwaukee River Flood Mgt	\$48,900,919
W10002	Estabrook Dam Removal	\$2,330,001
W10004	Milwaukee River Planning Study – Capitol to Bender	\$890,390
W11030	E - North 30th Street Corridor Wet Weather Relief - East	\$15,161,929
W11031	W - North 30th Street Corridor Wet Weather Relief - West	\$43,127,917
W13002	Indian Creek Improvements	\$304,253
W15001	Beaver Creek Flood Management	\$3,158,948
W16001	Milwaukee River Lake Estuary Study	\$341,787
W20018	Concordia Avenue	\$5,072,941
W20021	Menomonee River Stream Management - CR	\$5,576,243
W20023	Phase II Menomonee River Stream Mgt	\$3,150,067
W20027	Western Milwaukee Phase 2A	\$2,164,464
W20028	Western Milwaukee Phase 2B	\$30,277,061
W20029	Western Milwaukee Real Estate & Environmental Assessment	\$10,989,011
W20031	Memonomee River Estuary Study	\$284,553
W21006	Phase II - Underwood Creek Reach 1, Phase II - CR	\$7,213,183
W21007	Underwood Creek Reach 2 - CR	\$21,000,000
W22001	Underwood Creek S. Branch, Reach 1 - CR	\$17,969,914
W22002	Underwood Creek S. Branch, Reach 2 - CR	\$14,096,509
W24002	Honey Creek Reach 6 - CR	\$12,705,637
W24003	Honey Creek Reach 5 - CR	\$14,801,839
W24004	Honey Creek Reach 4 - CR	\$12,158,646
W24005	Honey Creek Watercourse Mgmt. Plan & BMPs	\$326,011
W24006	Honey Creek USACE Habitat Improvement Feasibility Study	\$700,001
W24007	Honey Creek Reach 2 - CR	\$14,950,025
W24010	State Fair Culvert Preliminary Engineering	\$243,813
W28001	Schoonmaker Creek	\$10,548,730
W28002	Daylighting Schoonmaker Creek	\$5,134,238
W29001	Menomonee River Lake Estuary Study	\$42,439
W29002	Burnham Canal	\$7,871,769
W34002	Phase 2 Root River W. Branch Flood Management Study	\$49,913
W35003	Lower Whitnall Park Creek Flood Mgt II	\$116,344
W39002	Hale Creek Flood Management	\$136,971
W40002	KK River Real Estate Decon./Demo. & Pulaski Park	\$35,162,281
W40007	KK River Reach 3 - CR	\$14,100,860
W40008	KK River S. 6th to S. Chase Flood Mgt	\$5,729,894
W40009	Jackson Park	\$44,829,272
W40010	KK River Watershed	\$4,535,501
W40011	KK River I-94 to Becher	\$18,646,148
W40012	KK River - 6th to 16th St.	\$45,837,728
W40013	KK River - Railroad to 27th St.	\$32,503,969
W40014	KK River - 43rd St. Bridge Replacement	\$2,453,295
W40016	KK River Sewer Modifications	\$3,724,621

W41001	KK River Flood Management - Lyons Creek (W026)	\$14,807,870
W41003	Lyons Park Creek Streambank Stabilization	\$640,679
W42003	43rd Street Ditch Reach 1 - CR	\$28,234,580
W43003	Villa Mann Creek Tributary Culvert Improvement	\$3,712,706
W45002	Wilson Park Creek Reach 3 - CR	\$30,111,892
W45003	Wilson Park Creek Reach 2 - CR	\$41,903,492
W45004	Wilson Park Creek Reach 4 - CR	\$8,966,688
W45005	Wilson Park	\$38,078,775
W50005	Oak Creek Flood Management - Floodproofing/Acquisition	\$8,372,091
W50006	Oak Creek Watershed Restoration Plan	\$343,396
W61002	Fish Creek Flood Acquisitions	\$119,060
W91001	Phase II Corridor & SEWRPC Studies	\$2,783,814
W96001	Fresh Coast Implementation	\$7,213,117
W97003	GMRCPP - Greater Milwaukee Regional Conservation Partnership Program	\$4,993,915
	Total Watercourse Projects	\$709,602,109

ID	Project Title	Total Project Cost
G98002	Fresh Coast Green Solutions Phase 2	\$3,029,205
G98004	Fresh Coast Implementation Phase 2	\$14,885,327
G98011	Alternative Project Delivery / Community-Based GI	\$20,000,000
G98012	Urban Tree System to Address Climate Change	\$600,462
G98013	National Fish & Wildlife Foundation Funding Partnership	\$1,342,624
G98015	USACE GI Combined Sewer Service Area Plan	\$905,500
M01007	KK River Flushing Station Improvements	\$15,865,989
M01023	Wharf Wall Improvements	\$1,620,992
M01026	HQ & Lab Heat & Power Generation System	\$165,997
M01029	HQ Wharf Wall System Restoration	\$2,094,468
M01032	N. 44th Street Property Restoration (Miller Park Area)	\$2,200,000
M01033	4044 N. 31st Street Demolition/Deconstruction	\$1,066,492
M01034	HQ Parking Lot Solar Powered Electric Vehicle Charging Stations	\$675,908
M01037	HQ and Lab Facility Improvements	\$3,044,110
M01038	Water Quality Equipment Procurement	\$294,000
M01040	13th Street Upgrades	\$168,219
M03016	Post 2020 FP Implementation Evaluation & Planning	\$29,434,535
M03029	Water Quality Studies	\$5,896,310
M03036	Continuous Water Quality Monitoring Stations	\$319,248
M03043	Greenhouse Gas Planning Study	\$1,462,693
M03051	Alternative Energy Planning	\$504,463
M03059	TMDL Studies	\$2,842,884
M03064	Fresh Coast Green Solutions	\$6,337,580
M03088	Corridor Study, Phase 5	\$2,418,607
M03091	Ad Hoc Water Quality Studies 2017-2021	\$1,492,343
M03092	2050 Facility Plan's Regional Resiliency Plan	\$787,514
M03098	Monitoring for Capital Project Development and Support	\$15,744,521
M03102	Biosolids Advanced Facility Planning	\$782,022
M03037	2050 Facilities Planning - Ultimate Build-out	\$12,805,850
M10004	PPI/I Implementation Phase 2 (Labor)	\$4,959,089
M10006	PPII Research and Development	\$3,536,946
M06011	Information Technology Software Systems	\$814,674
M06013	Capital Program Management System	\$1,572,672
M06016	Enterprise Resource Management System Implementation	\$5,000,000
	Total Other Projects/Programs	\$164,671,244