



Metropolitan Water Reclamation District of Greater Chicago

100 East Erie Street
Chicago, IL 60611

Legislation Text

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TRANSMITTAL LETTER FOR PUBLIC HEARING OF OCTOBER 7, 2010

COMMITTEE ON ENGINEERING

Mr. Richard Lanyon, Executive Director

Report on the District's Capital Projects to be funded by the anticipated December 2010 Bond Sale

Dear Sir:

The Engineering Department and the Treasurer have examined capital fund balances in relation to District projects currently identified under the Capital Improvement Program and determined that a bond sale is required to maintain adequate balances to fund ongoing and expected capital projects.

Capital projects will be funded by the sale of up to \$500 million of general obligation capital improvement bonds. The project lists may be modified by subsequent budgets.

The general obligation capital improvement bonds will fund the following current and future projects:

- 73-161-2H McCook CUP Reservoir Stages 1 and 2, McCook - MWRD 25% Contribution
- 73-161-DH McCook Reservoir Expanded Stage 2 Overburden Removal, SSA
- 73-161-EH McCook Reservoir Vulcan Agreement Hard Costs, SSA
- 73-161-GH Furnish and Deliver Miscellaneous Mining Equipment, McCook Reservoir, SSA
- 73-161-JH McCook Reservoir Stage 2 Miscellaneous Overburden Removal, SSA
- 75-208-2H Calumet TARP - Torrence Avenue Leg
- 77-235-2F Thornton Composite Reservoir - Material Service Corporation Agreement, CSA
- 77-235-2F Thornton Composite Reservoir - Army Corps Review
- 91-177-2E Plant Process Computer - Post Award Contract
- 91-177-AD Computer Control Center
- 91-177-AE Plant Process Computer A, Stickney WRP
- 91-177-CE Distributed Control System for Solids Processes at Stickney WRP, Mainstream PS and Other Remote Stations, SSA
- 91-177-DE Distributed Control System for West Side PS and Racine Avenue PS, SSA
- 92-605-2P Phase II Additions and Alterations to Sludge Treatment Facilities at Fox River WRD's Main Plant
- 93-232-2M Hydraulic Improvements, Calumet WRP
- 93-232-2M Hydraulic Improvements, Calumet WRP- Post Award Engineering Services
- 96-114-2P Sludge Thickening Facilities at Stickney WRP-Professional Services
- 96-251-2P Sludge Thickening Facilities, Calumet WRP
- 98-260-2M Coarse Screens Installation, Piping and Electrical Work, 95th St. and 125th St. Pumping Stations
- 98-802-2P Distributed Control System Procurement
- 99-180-1M Ventilation and Other Improvements
- 99-269-2P Lining of Lagoons 1 and 2
- 99-269-AM Furnish and Deliver Bonneted Gate Valves
- 99-269-EM Furnish and Deliver Four 72MGD Pumps
- 99-467-2E Electrical Upgrade; Pumps, Motors and Drives Replacement; Elevator Upgrades, Egan WRP

00-273-1V Various Building Improvements, Calumet WRP
00-275-2V Research and Development Facility, Calumet WRP
00-275-2V Building Envelope Investigation for New Monitoring and Research Building at the Calumet WRP
00-473-1D Replace Casework, Fume Hoods and Miscellaneous Work, Egan, Stickney and Kirie WRPs
00-519-2E Switchgear and Telephone Improvements
01-101-1M 150 DT/Day Biosolids Processing Facility, Stickney WRP
01-103-2S 39th Street Conduit Rehabilitation Phase I Bypass Tunnel, SSA
01-103-2S 39th Street Conduit Rehabilitation Phase I Bypass Tunnel, SSA - Professional Services Post Award and 43rd St. and East Avenue Control Structure - Professional Services
01-191-1D Mainstream and Des Plaines Dewatering Chambers Replace Drip Ceiling (Rebid)
01-198-AD Demolition of Sludge Disposal Building, Rehabilitation of Pump and Blower House and Coarse Screen Building, Stickney WRP
01-353-2M Kirie Pump Station Rehabilitation, Kirie WRP
01-813-2M Centrifuge Work at Stickney, Calumet and Egan WRPs, New Boilers at Kirie WRP, Scum and Grit Piping at Stickney WRP
01-815-1E Lightning Protection
01-817-2E Electrical Equipment Upgrades at Kirie, Egan, North Side and Hanover Park WRPs
02-009-3S Rehabilitation of Evanston Intercepting Sewer Lake Street Leg
02-010-3S Evanston Intercepting Sewer Orrington Avenue Leg Rehabilitation, NSA
02-013-3E Electrical Distribution Improvements, NSA
02-111-3M TARP Pump #8 Rehabilitation and Sump Pumps in North Pump House, Mainstream PS
02-111-3M TARP Pump #8 Rehabilitation and Sump Pumps in the North Pump House, Mainstream PS (Furnish and Deliver Shaft Seal)
02-294-3D Calumet WRP Site Preparation for Improvement Contracts
03-122-3S Upper Des Plaines Intercepting Sewers 12 and 13B Rehabilitation, SSA
03-123-3S Broadview - Bellwood Sewer Rehabilitation II
03-296-3M Installation of Central Boiler Facility, Calumet WRP
03-606-3P Replacement of Heat Exchangers at the Fox River WRD, Main Plant - Professional Services
04-125-3S Upper Des Plaines Pump Station Rehabilitation and TARP Connection, SSA
04-125-3S Upper Des Plaines Pumping Station Rehabilitation and TARP Connection, SSA - Post Award
04-128-3P Westside Primary Settling, Aerated Grit, Battery A, Imhoff and Skimming Tank Replacement, Stickney WRP
04-128-3P Westside Circular Primary Tanks and Aerated Grit Tanks, Stickney WRP - Professional Services
04-128-3P Westside Primary Settling Tanks - Battery A Imhoff Replacement and Westside Grit Handling Improvements, Stickney WRP, Post Award
04-129-3P Westside Grit Handling Improvements, Stickney WRP
04-131-2D C/D Service Tunnel Rehabilitation - Phase I, Stickney WRP
04-201-4F Tollway Dam, Grout Curtain and Quarry Plugs, Thornton Composite Reservoir, CSA
04-201-4F Tollway Dam, Grout Curtain and Quarry Plugs, Thornton Composite Reservoir, CSA -Professional Services Post Award - B and V
04-201-4F Tollway Dam, Grout Curtain and Quarry Plugs, Thornton Composite Reservoir, CSA -Professional Services Post Award - MWH
04-202-4F Connecting Tunnels and Gates, Thornton Composite Reservoir, CSA
04-202-4F Connecting Tunnels and Gates, Thornton Composite Reservoir, CSA - Professional Services Post Award
04-203-4F Final Reservoir Preparation, Thornton Composite Reservoir, CSA
04-203-4F Final Reservoir Preparation, Thornton Composite Reservoir, CSA - Professional Services Post Award
04-294-3M Calumet TARP Valve Isolation and Pump Station Upgrade, Calumet WRP
04-299-2P Aeration Batteries A, B, C, E1, and E2 Improvements, Calumet WRP
04-491-3S Egan Sludge and Centrate Pipeline Replacement, NSA
04-823-3P Preliminary Treatment Facilities, Stickney WRP, Calumet WRP - Professional Services

04-824-2P Tertiary Filter Rehabilitation, Pump Variable Frequency Drives and Other Plant Improvements, Egan WRP, Hanover Park WRP, Kirie WRP
04-825-3M Install New Blower No. 2 at Stickney WRP and Replace Blower Nos. 1 and 7 at North Side WRP
05-018-2S Sewer and Structure Rehabilitation, NSA - RE-BID
05-144-3D Lagoon 23 Lining and Lysimeters Installation, LASMA, HASMA and Calumet WRP
05-146-3M Mainstream South Pump House TARP Pumps Rehabilitation, Stickney WRP
05-607-1P Ammonia Removal Improvement Project at the Fox River Water Reclamation District Main Plant
05-711-3P Reservoir, Lemont WRP
05-711-3P Plant Expansion, Lemont WRP - Professional Services
05-832-3M Furnish and Deliver One Single - Stage Blower and Two Multi-Stage Blowers, Stickney WRP and North Side WRP
05-836-3D Lockport Power House Sluice Gates Replacement, SSA
06-020-3P Battery E, North Side WRP
06-020-3P Battery E, North Side WRP - Professional Services (Preliminary Design)
06-020-3P Battery E Facilities at the North Side WRP (Final Design) Professional Services
06-020-3P Battery E, North Side WRP, Post Award - Professional Services (Preliminary Design)
06-023-3P Stop Logs and Diversion Pumps at Wilmette P.S. and Evanston P.S. Rehabilitation, NSA- Professional Services
06-023-3P Stop Logs and Diversion Pumps at Wilmette P.S. and Evanston P.S. Rehabilitation, NSA
06-024-3M Effluent and Potable Water Piping Upgrades, North Side WRP
06-151-3V Monitoring and Research Laboratory Facility, Stickney WRP
06-151-3V Monitoring and Research Laboratory Facility, Stickney WRP - Professional Services
06-154-3S Summit Conduit Rehabilitation, SSA
06-155-3S Salt Creek Intercepting Sewer 2 Rehabilitation, SSA
06-156-3P Grit Piping Replacement, Stickney WRP
06-158-3S Des Plaines River Intercepting Sewer Rehabilitation, SSA
06-212-3M Calumet TARP Pumping Station Improvements, Calumet WRP
06-212-3M TARP Pump E1, W1 Replacement, Variable Frequency Drives, and Mechanical Bar Screens, Calumet WRP - Professional Services
06-215-3D Lagoons 3 and 4 Lining, Calumet WRP
06-218-3M Blower Nos. 9 and 10 and Air Main Installation, Calumet WRP
06-357-3S Upper Des Plaines Intercepting Sewer 20B Rehabilitation, NSA
06-358-3M Gate Control Equipment Upgrade at TARP Control Structures, Kirie WRP, NSA
06-359-3S Upper Des Plaines Intercepting Sewer 14A Rehabilitation, NSA
06-360-3S Upper Des Plaines Intercepting Sewer 14B Rehabilitation, NSA
06-363-3D CUP O'Hare Reservoir Repair and Rehabilitation, NSA
06-363-3D CUP O'Hare Reservoir Repair/Rehabilitation, NBCR and NSC Restoration, NSA -Professional Services
06-494-3P Centrifuge Building and Sludge Loading System Upgrades, Egan WRP
06-526-3P Infrastructure and Process Needs Feasibility Study, Hanover Park WRP
06-839-3E TARP Radio Upgrade and Repeater Antenna, CSA, SSA, NSA
06-842-3E DCS and Electrical Work, Hanover Park WRP, Kirie WRP, Egan WRP
06-843-3E Switchgear Replacement at Devon and Webster In-stream Aeration Stations and O'Hare Reservoir
06-844-3C Sewer Flow Monitoring, CSA, NSA, SSA
07-027-3S North Side Sludge Pipeline Replacement - Section 1, NSA
07-028-3S Harms Road 2 Rehabilitation, NSA
07-030-3D North Branch of Chicago River and North Shore Channel Restoration, NSA
07-031-3C Computational Fluid Dynamics Model Study of the Proposed North Side Aeration Tanks, Final Settling Tanks and Appurtenant Flow Distribution Structures, North Side WRP
07-162-2S Westdale Gardens Pumping Station and Force Main, Northwest 8A Extension A, SSA
07-163-3M Research and Development Building HVAC Improvements, Stickney WRP

07-164-3C TARP Modeling Phase II of Mainstream/Des Plaines TARP System
07-168-3P Scum Concentration, Centrifuge Building, Preliminary and Imhoff Tanks, Elevator Improvements, Diffuser Plate and Trailer Replacement, SSA, LASMA
07-220-3P Primary Settling Tanks and Grit Removal Facilities, Calumet WRP
07-220-3P Primary Settling Tanks and Grit Removal Facilities, Calumet WRP - Professional Services Post Award
07-221-3M TARP Pump Station Mechanically Cleaned Bar Screen Replacement, Calumet WRP
07-222-3C TARP Modeling Phase II of Calumet TARP System
07-497-3D Wet Weather Equalization Ponds, Egan WRP
07-854-3M Emergency Elevator Improvements at Kirie WRP, Hanover Park WRP
08-034-3S Inverted Siphon Reconstruction, NSA
08-035-3V Data Center, North Side WRP
08-041-3P Rehabilitation of Final Settling Tanks 11, 12, 13 and 14 of Batteries A, B and C, North Side WRP
08-170-3D Office, Shop and Storage Facility Service Tunnel Rehabilitation, Stickney WRP
08-171-3P Westside Imhoff Battery A and Skimming Tank Demolition, Stickney WRP
08-171-3P Westside Imhoff Battery A and Skimming Tank Demolition, Stickney WRP, Professional Services Post Award
08-172-3S Inverted Siphon Reconstruction, SSA
08-224-3D Lagoons 14 and 15 Lining, Calumet WRP
08-227-3S Inverted Siphon Reconstruction, CSA
08-229-3P Digester Gas Storage Facility, Calumet WRP
08-529-3D Retention Ponds Deepening, Lining and Modifications, Hanover Park WRP
08-530-3P Digester Facility Improvements, Hanover Park WRP, Egan WRP
08-714-3P Lemont Pumping Station and Force Mains, CSA, SSA
08-714-3P Lemont Pumping Station and Force Mains and Reservoir, Lemont WRP, Professional Services Post Award
08-862-3D Lockport Power House Interior North Wall Repairs, SSA
08-865-3P Aeration Tanks and Elevators Rehabilitation, North Side, Stickney, Kirie, Egan and Hanover Park WRPs and Bartlett P.S.
08-866-3S Inverted Siphon Reconstruction, NSA, CSA, SSA - Professional Services
08-867-3P Digester Gas Storage Facility, Stickney WRP, Calumet WRP and Hanover Park WRP
08-867-3P Digester Gas Storage Facility, Stickney WRP, Calumet WRP and Hanover Park WRP - Professional Services
09-042-3P Sludge Concentration Tank Improvements, North Side WRP - Professional Services
09-043-3P Grit Dewatering Modifications, North Side WRP - Professional Services
09-044-3P Aeration Blower and Raw Sewage Pump Upgrades, North Side WRP
09-044-3P Aeration Blower and Raw Sewage Pump Upgrades, North Side WRP - Professional Services
09-044-3P Aeration Blower and Raw Sewage Pump Upgrades, North Side WRP - Professional Services Post Award
09-045-3D Guard House and Main Plant Entrance Relocation, North Side WRP
09-176-3P Sludge Thickening Facilities, Stickney WRP
09-176-3P Sludge Thickening Facilities, Stickney WRP - Professional Services Post Award
09-180-4F McCook Reservoir Expanded Stage 2 Incremental Costs
09-181-3P Battery C Airlift Rehabilitation, Stickney WRP
09-231-3E Variable Frequency Drive and Motor Replacement for West TARP Pumps, Calumet WRP
09-232-3E Furnish and Deliver Distributed Control System Cluster I/O Replacement, CSA
09-499-3D Twin Lakes Reservoir Rehabilitation, NSA
09-871-3S Inverted Siphon Inspection, NSA, SSA, CSA
09-872-3D Civil, Structural and Architectural Engineering Consulting Services
09-876-3P Centrifuge Replacement, Calumet WRP, Stickney WRP
10-046-3P Battery D - Aeration Tank No. 8, North Side WRP
10-047-3S North Shore 1 Rehabilitation, NSA

10-236-3C TARP Modeling - Phase III of Calumet TARP System
10-780-11 Rehabilitation of Fine Bubble Diffuser System at the North Side Water Reclamation Plant and
Walters Road Pumping Station Improvements, North Side WRP
10-881-3P Furnish and Deliver Temporary Technical Personnel Services to Engineering Department

Respectfully Submitted, Kenneth A. Kits, Director of Engineering, WSS:KMF:LS