

SECTION VI

STORMWATER MANAGEMENT FUND

Stormwater Management is organized with all revenues and expenditures accounted for in a separate fund. The District assumed responsibility for stormwater management following the passage of Public Act 093-1049 in November 2004. This law gives the District responsibility for stormwater management for all of Cook County, including areas that currently lie outside the District's boundaries.

The District has established six watershed planning councils. The purpose of the watershed planning councils is to advise the District on the development and implementation of the countywide stormwater management plan, representing concerns of local governments. Municipal leagues are responsible for coordinating the activities of the watershed planning councils.

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Metropolitan Water Reclamation District of Greater Chicago

100 EAST ERIE STREET

CHICAGO, ILLINOIS 60611-3154

312.751.5600

September 7, 2016

Mr. David St. Pierre
Executive Director
OFFICE

Dear Sir:


Subject: 2017 Program for the Stormwater Management Fund

The Stormwater Management Fund's program for 2017, as prepared in detail, is transmitted herewith. The budget presentation supports the request for funding of the 2017 initiatives in alignment with and in support of the Strategic Business Plan. The budget requests include all amendments as directed by you during the Executive Director Budget Hearings in August of this year.

The narrative provides a summary of the fund, 2017 major initiatives and challenges, and 2016 accomplishments. Supporting schedules of objectives, performance, and staffing levels present three years of detailed budgetary information.

Thank you for the opportunity to present the proposed Stormwater Management Fund budget for 2017.

Respectfully submitted,



Catherine A. O'Connor
Director of Engineering

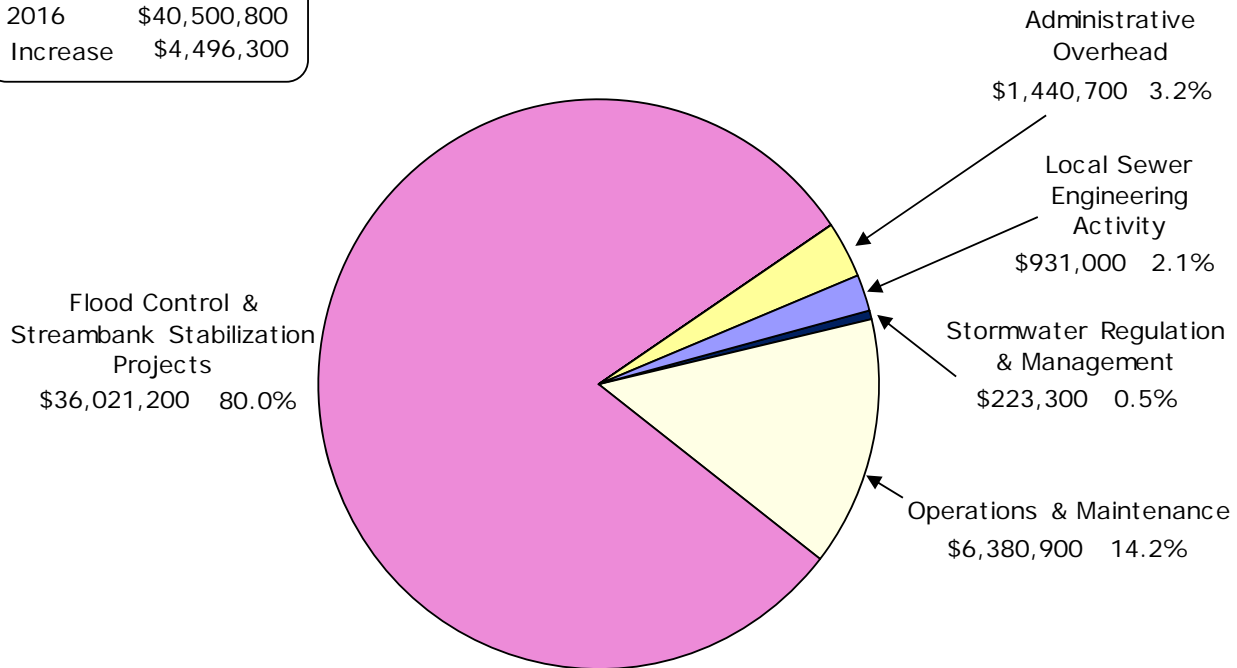


John P. Murray
Acting Director of Maintenance & Operations

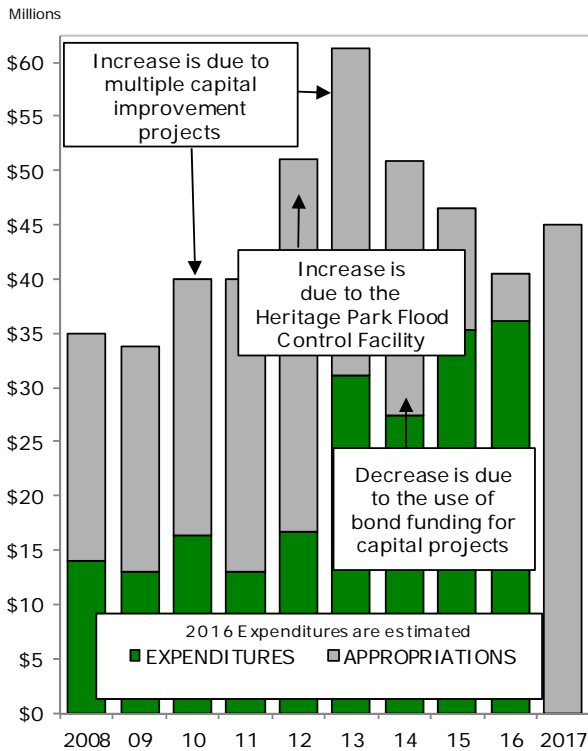
STORMWATER MANAGEMENT

2017	\$44,997,100
2016	\$40,500,800
Increase	\$4,496,300

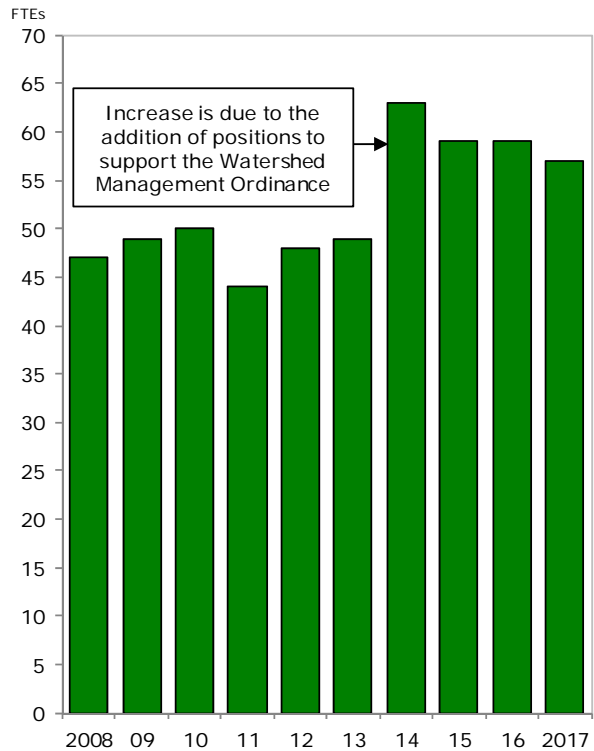
FUNCTIONS



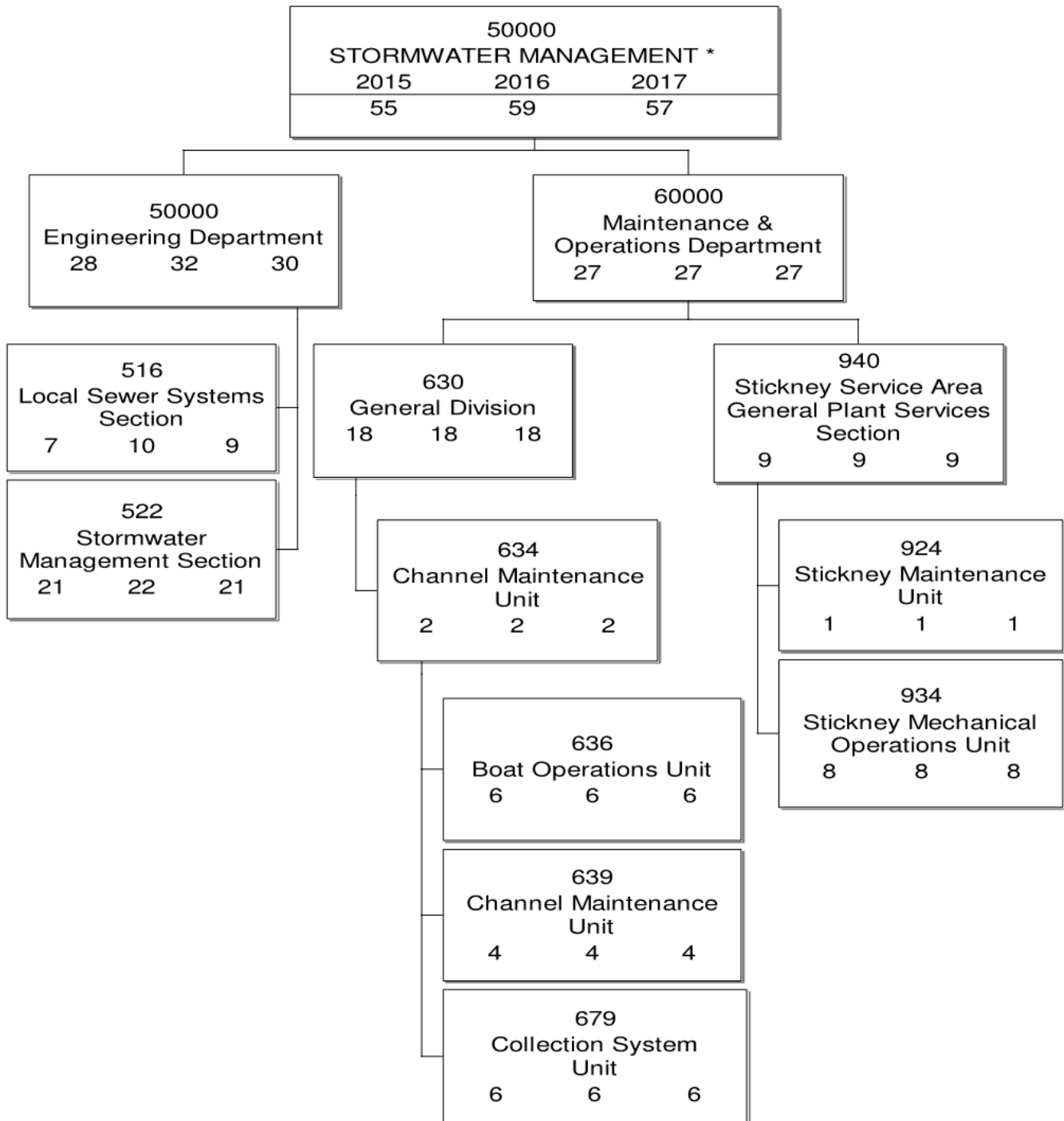
APPROPRIATIONS & EXPENDITURES



BUDGETED FTE POSITIONS



STORMWATER MANAGEMENT



* Positions funded by the Stormwater Management Fund are operationally controlled by the Engineering and Maintenance & Operations Departments.

STORMWATER MANAGEMENT FUND

The mission of the Stormwater Management Fund is to protect the safety of Cook County's residents and minimize flooding damage by coordinating, planning, implementing, financing, and operating regional stormwater management projects and to develop and enforce reasonable rules with respect to watershed development.

Fund Summary

The fund consolidates the stormwater management activities of the Engineering and Maintenance & Operations (M&O) Departments and supports the activities outlined in the Cook County Stormwater Management Plan, which serves as a framework for the District's countywide Stormwater Management Program. Under this program, the District has completed Detailed Watershed Plans (DWPs) for all six major watersheds in Cook County, initiated a Stormwater Management Capital Improvement Program, initiated a Small Streams Maintenance Program (SSMP), and adopted and implemented the Watershed Management Ordinance. Information on the Stormwater Management Program can be found at stormwater.mwrd.org.

Summary of 2016 Accomplishments

- Completed construction of one streambank stabilization and one flood control project originally identified in the DWPs;
- Awarded four flood control and streambank stabilization projects;
- Entered into three Intergovernmental Agreements (IGAs) for Stormwater Management Phase II projects to allow for construction of local flood control projects;
- Continued design of Phase I regional projects recommended from the DWPs, including streambank stabilization projects on reaches of nine waterways and flood control projects on reaches of ten waterways;
- Continued design of Phase II conceptual flood control projects identified by local municipalities, townships, and agencies including the Cities of Blue Island, Burbank and Palos Heights, the Villages of Crestwood, Midlothian, Robbins, and Worth, the Town of Cicero, Bremen Township, the Illinois Department of Transportation, and the Cook County Department of Transportation and Highways;
- Completed Stormwater Master Plan Pilot Studies in five locations recommended by the four Cook County Councils of Government and the City of Chicago;
- Negotiated and/or entered into IGAs for acquisition of flood prone properties with six communities and the Cook County Land Bank Authority;
- Continued the SSMP with the objective of removing debris and blockages from 532 miles of small streams and rivers;
- Entered into IGAs with the City of Berwyn and the Villages of Crestwood, Niles, and Skokie to partially fund green infrastructure projects;
- Completed design of a green infrastructure control system at Dearborn Homes in Chicago;
- Partnered with the Chicago Public Schools and Chicago Department of Water Management for construction and monitoring (through the U.S. Geological Survey) of green infrastructure.

Budget Highlights

The 2017 Stormwater Management Fund appropriation is \$44,997,100, an increase of \$4,496,300, or 11.1 percent, from 2016. The staffing level of 57 positions is a decrease of two positions, with the drop of an Assistant Civil Engineer position and the transfer of an Engineering Technician IV position to the M&O General Division.

Significant features of the 2017 budget are:

- Continue engineering design for Phase I and Phase II projects and begin construction of projects that have completed final design and have been approved by the Board of Commissioners;
- Undertake a pilot study with the City of Chicago to explore the effectiveness of various technologies aimed at reducing basement backup at private sites;
- Continue the SSMP to reduce flooding in urbanized areas;
- Expand the online content related to the Chicago Area Waterway System and the SSMP to provide educational materials, as well as general information regarding the management of the system before, during, and after a storm;
- Continue funding support of partnerships for construction of the Albany Park Tunnel, a Capital Improvements Bond Fund-budgeted project.

2017 Initiatives in Support of the Strategic Business Plan Include the Following:

- **Add Value**

The Stormwater Management Capital Improvement Program utilizes benefit-to-cost analysis developed for the recommended alternatives in the DWPs as the primary basis for prioritizing individual projects.

- **Excellence**

Stormwater staff approach each project with attention to detail, in the spirit of excellence, in order to deliver stormwater management projects that meet or exceed the expectation of the communities served. Staff attend various community meetings to explain the District’s role as the stormwater management authority for Cook County to the general public.

- **Resource Recovery**

Stormwater projects, particularly the Stormwater Management Phase II projects, will include a mix of both gray and green infrastructure elements. Wherever practical, stormwater recovery and reuse will be included in the project.

- **Develop Employees**

The dedicated staff from the Engineering and M&O Departments includes numerous licensed professional engineers and certified floodplain managers who are leaders in the field. Staff regularly attend and present papers at various conferences and seminars related to stormwater management.

- **Leading Partnerships**

The District has initiated a Green Infrastructure Program that facilitates the planning, design, and construction of multiple green infrastructure projects throughout Cook County, in partnership with a variety of stakeholders. Program framework and guidelines will continue to be developed in 2017 in collaboration with stakeholders. Currently, the District is partnered with the City of Chicago Department of Water Management and the Chicago Public Schools to design and construct large green infrastructure projects at six Chicago Public School campuses. The District is also partnered with other local municipalities to design and construct 82 regional and local stormwater management projects.

In 2016, projects under construction in partnership with municipalities included the construction of the Albany Park Tunnel, Addison Creek Streambank Stabilization, Niles Cleveland Street Relief Sewer, Roberts Road Trunk Sewer, Busse Woods South Dam Modifications, Silver Creek Channel Improvements, Stony Island Avenue Ditch and Detention Pump Station Improvements, and Glencoe-Terrace Court and Skokie Ridge Stormwater Projects.

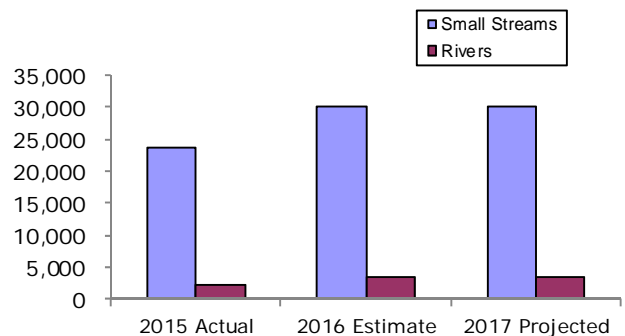
- **Technology**

The District continues to expand the online content related to the Chicago Area Waterway System and the SSMP.

SMALL STREAMS MAINTENANCE PROGRAM

Through the management of the SSMP, M&O works to reduce flooding in urbanized areas. Cook County has little elevation; therefore, its streams tend to move slowly and are naturally prone to flooding. Many developed areas were originally uninhabited muddy marshes with meandering streams that often overtopped their banks. The streams that flow through the neighborhoods of Cook County are more than just a scenic part of the landscape or a habitat for wildlife. They serve the vital function of draining stormwater and preventing flooding. In order to function properly, the streams must be maintained. The SSMP’s top priorities are removing blockages such as log jams, beaver dams, and other material and debris from the streams, and preventing future blockages by removing dead and unhealthy trees and invasive species, such as buckthorn and honeysuckle, which choke out native vegetation from the streambanks.

Cubic Yards of Debris Removed from Small Streams and Rivers in Cook County



CAPITAL IMPROVEMENT PROGRAM

The focus of many of the Stormwater Capital Improvement Program projects is on regional waterways in highly urbanized areas. During the design of these projects, the District focuses on utilizing natural methods for addressing streambank erosion, including the use of biostabilization measures, such as vegetated geogrids, geocells, turf reinforcing mats, and native vegetation, wherever practical.

The Board of Commissioners prioritizes potential projects arising from the DWPs on a countywide basis. Two categories have been established for DWP projects. The first category is streambank stabilization, which involves addressing critical active streambank erosion threatening public safety, structures, and/or infrastructure. The second category is flood control, which addresses regional overbank flooding.

Streambank Stabilization Projects and Flood Control Projects

A map of streambank stabilization project locations is provided on page 511, while maps of flood control projects including reservoirs, capital improvement projects, and green infrastructure and other projects the District is implementing with local municipalities can be found on pages 512 – 514.

FLOOD-PRONE PROPERTY ACQUISITION PROGRAM

The District's statutory authority for Stormwater Management in Cook County (70 ILCS 2605/7h) was amended in 2014 to allow for the acquisition of flood-prone properties. Subsequent to amending the Cook County Stormwater Management Plan to be consistent with Public Act 98-0652, the District's Board of Commissioners adopted a policy on selection and prioritization of projects for acquiring flood-prone property, which is comprised of three distinct components, as follows:

- **Local Sponsorship Assistance Program:** The District's top priority will be to facilitate the Illinois Emergency Management Agency's federally funded program by assisting local sponsor communities in providing their share of the cost for property acquisition;
- **District Initiated Program:** The cost of a property acquisition alternative will be estimated for any approved project and compared to the estimated cost of the structural project determined through a preliminary engineering analysis. Should the cost of the property acquisition alternative be less than the structural project, and the benefits at least equivalent, the acquisition alternative will be pursued in lieu of the structural project;
- **Local Government Application Program:** The District will consider applications directly from local governments requesting property acquisition of specific flood-prone structures.

Acquisition Projects

- Partnered with Cook County to assess the feasibility of acquiring flood-prone homes in unincorporated Riverside Lawn;
- Prioritized municipal applications to the District for assistance with the acquisition of flood-prone structures located throughout Cook County;
- Negotiated IGAs to partner with the Cities of Des Plaines and Northlake, the Villages of Flossmoor, Franklin Park, and Stone Park, and Wheeling Township to acquire 132 flood-prone residential structures. These acquisitions will occur over the next two years.

Stormwater Management Fund Program

<u>Awards in 2017</u>			Est. Constr- uction Cost	MWRD 2017 Appro- priation	Dura- tion (days)	Est. Award Date
#	Project Name	Project Number				
1	Streambank Stabilization Project along Calumet Union Drainage Ditch	10-882-BF	\$ 1,839	\$ 750	370	Jan-17
2 *	Flood Control Project on the East Branch of Cherry Creek, Flossmoor	10-883-CF	1,050	1,050	370	Jan-17
3 *	Buffalo Creek Reservoir Expansion	13-370-3F	1,831	733	548	Jan-17
4 *	Streambank Stabilization Projects for Addison Creek	14-108-3F	517	517	366	Jan-17
5	Crestwood Green Infrastructure	16-IGA-08	1,176	1,176	370	Mar-17
6	Flood Control Project at 61st Avenue and 36th Street, Cicero	16-IGA-21	2,498	1,250	370	Apr-17
Total 2017 Awards			<u>\$ 8,911</u>	<u>\$ 5,476</u>		

<u>Projects Under Development</u>			Est. Constr- uction Cost	Cumulative Const. Cost	Dura- tion (days)	Est. Award Date
#	Project Name	Project Number				
7	Intergovernmental Agreements	Various	\$ 25,000	\$ 33,911	Various	TBD
Total Future Awards			<u>\$ 25,000</u>			
Cumulative 2017 and Future Awards			<u>\$ 33,911</u>	<u>\$ 33,911</u>		

*This project is funded by the Capital Improvements Bond Fund and the Stormwater Management Fund. Refer to Section V Capital Budget for more information about Stormwater Management projects funded by alternative bonds.

Note: All cost figures are in thousands of dollars; inflation factor is 0 percent.

Stormwater Management Fund Program Impacts

#	Project Name	Project Number	Justification					Impact		
			Capacity Needs	Useful Life	Economic Benefit	Safety/Regulatory	Flood Control	Manpower	Energy	Chemical
<u>Awards in 2017</u>										
1	Streambank Stabilization Project along Calumet Union Drainage Ditch	10-882-BF				x	x	=	=	=
2	Flood Control Project on the East Branch of Cherry Creek, Flossmoor	10-883-CF				x	x	=	=	=
3	Buffalo Creek Reservoir Expansion	13-370-3F				x	x	=	=	=
4	Streambank Stabilization Projects for Addison Creek	14-108-3F				x	x	=	=	=
5	Crestwood Green Infrastructure	16-IGA-08				x	x	=	=	=
6	Flood Control Project at 61st Avenue and 36th Street, Cicero	16-IGA-21			x		x	=	=	=
<u>Projects Under Development</u>										
7	Intergovernmental Agreements	Various					x	=	=	=

LEGEND

Under "**Justification**," the marked columns note the categories of benefits expected from each project.

- | | |
|--|---|
| <p>Manpower</p> <p>+ or - Labor savings (+) or increases (-) expected to result in redirecting existing manpower away from or toward facility or process to other tasks with no net change in total position costs.</p> <p>+ or - Minor energy savings (+) or costs (-) having a negligible impact on the District's overall energy budget.</p> <p>+ or - Chemical savings (+) or costs (-) having a negligible impact on the District's overall chemical costs.</p> <p>= No budgetary impact expected.</p> | <p>Manpower</p> <p>++ or -- Labor impact significant enough to ultimately result in reduction (++) or increase (--) in personnel. See additional cost details contained in "Description of Capital Projects" section.</p> <p>Energy</p> <p>++ or -- Major energy savings (++) or costs (--) expected to result in significant revisions to a facility's energy budget. See additional cost details in "Description of Capital Projects" section.</p> <p>Chemical</p> <p>++ or -- Major chemical savings (++) or costs (--) expected to result in significant revisions to the budgeted chemical expenditures for the associated process. See additional cost details contained in "Description of Capital Projects" section.</p> |
|--|---|

Streambank Stabilization Project on Oak Lawn Creek

Project Number: 10-237-3F

Service Area: Calumet

Location: Oak Lawn, IL

Engineering Consultant: MWH Americas, Inc.

General Contractor: Judlau Contracting, Inc.

Estimated Construction Cost: \$3,035,000

Contract Award Date: September 2016

Substantial Completion Date: September 2017*



Project Description: Stabilization of approximately 1,200 linear feet of Oak Lawn Creek, from Central Avenue to Massasoit Avenue in Oak Lawn, using soldier piles and precast concrete panels. Trees and other plantings will be installed upon the completion of the wall.

Project Justification: Safety/Regulatory. The creek banks have deteriorated due to hydraulic erosion and slope failures, thus potentially compromising the slopes and impacting residential structures that are in the vicinity.

Project Status: This project has been awarded.

This project is funded under the Capital Improvements Bond Fund. See Section V Capital Budget for additional information.

*Information shown is estimated.

Streambank Stabilization Project along Calumet Union Drainage Ditch

Project Number: 10-882-BF

Service Area: Calumet

Location: Markham, IL

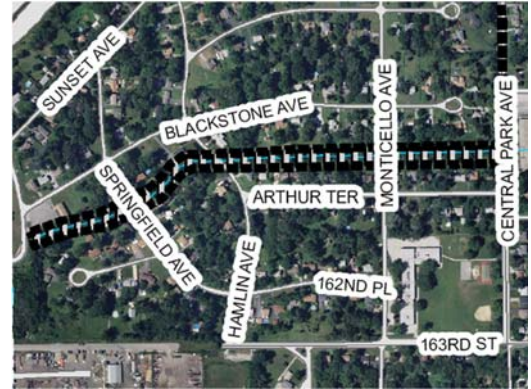
Engineering Consultant: Michael Baker, Jr., Inc.

General Contractor: To be determined

Estimated Construction Cost: \$1,839,000

Contract Award Date: January 2017*

Substantial Completion Date: January 2018*



Project Description: This project will stabilize approximately 3,559 linear feet of the Calumet Union Drainage Ditch, between Sunset and Central Park Avenues, in the City of Markham.

Project Justification: Safety/Regulatory. This project will protect 42 residential structures and infrastructure in imminent danger of failure from active streambank erosion and flooding.

Project Status: This project is at the 98 percent design stage. An intergovernmental agreement with the City of Markham has been executed. The permits have been obtained. The District is procuring easements from affected property owners.

*Information shown is estimated.

Streambank Stabilization Project along Midlothian Creek, Tinley Park

Project Number: 10-882-CF

Service Area: Calumet

Location: Tinley Park, IL

Engineering Consultant: Michael Baker, Jr., Inc.

General Contractor: To be determined

Estimated Construction Cost: \$392,000

Contract Award Date: February 2017*

Substantial Completion Date: February 2018*



Project Description: This project will stabilize approximately 495 linear feet of Midlothian Creek from 66th Court, north of 173rd Street, extending east approximately 300 feet, in the Village of Tinley Park.

Project Justification: Safety/Regulatory. This project will protect structures and infrastructure in imminent danger of failure from active streambank erosion and flooding.

Project Status: The final plans and specifications are being prepared. The permits and easements have been obtained. An intergovernmental agreement is being finalized with the Village of Tinley Park. The District is currently seeking funding from the Illinois Environmental Protection Agency State Revolving Fund loan program.

This project is funded under the Capital Improvements Bond Fund. See Section V Capital Budget for additional information.

*Information shown is estimated.

Streambank Stabilization/Flood Control Project on Tinley Creek

Project Number: 10-882-DF

Service Area: Calumet

Location: Orland Hills, IL

Engineering Consultant: CH2M Hill Engineers, Inc.

General Contractor: Cardno, Inc.

Estimated Construction Cost: \$664,000

Contract Award Date: April 2016

Substantial Completion Date: April 2017*



Project Description: This project will provide naturalized channel stabilization/flood control on Tinley Creek, from Lake Lorin to 88th Avenue in Orland Hills.

Project Justification: Safety/Regulatory. This project will protect against erosion along a segment of Tinley Creek and reduce the risk of overtopping of the Lake Lorin outlet structure.

Project Status: The project is under construction.

*Information shown is estimated.

Flood Control Project at Arrowhead Lake, Palos Heights

Project Number: 10-883-BF

Service Area: Calumet

Location: Palos Heights, IL

Engineering Consultant: CH2M Hill Engineers, Inc.

General Contractor: To be determined

Estimated Construction Cost: \$1,200,000

Contract Award Date: February 2017*

Substantial Completion Date: February 2018*



Project Description: This project will raise an existing bicycle trail on the north side of Arrowhead Lake, in unincorporated Palos Heights, to increase stormwater storage in the lake.

Project Justification: Safety/Regulatory. This project will remove approximately 70 structures from the Federal Emergency Management Agency Zone A floodplain.

Project Status: Contract documents are being prepared for advertisement.

This project is funded under the Capital Improvements Bond Fund. See Section V Capital Budget for additional information.

*Information shown is estimated.

Flood Control Project on the East Branch of Cherry Creek, Flossmoor

Project Number: 10-883-CF

Service Area: Calumet

Location: Flossmoor, IL

Engineering Consultant: CH2M Hill Engineers, Inc.

General Contractor: To be determined

Estimated Construction Cost: \$4,860,000

Contract Award Date: January 2017*

Substantial Completion Date: January 2018*



Project Description: This project includes the construction of an overflow channel on Homewood-Flossmoor High School's property, west of Governors Highway. It will also replace two collapsed culverts and create shelf storage on Cherry Creek.

Project Justification: Safety/Regulatory. This project will remove 16 structures from the regulatory floodplain.

Project Status: The contract is awaiting award.

This project is partially funded under the Capital Improvements Bond Fund. See Section V Capital Budget for additional information [CIBF = \$3,810,000; Stormwater Management Fund = \$1,050,000]

*Information shown is estimated.

Flood Control Project for Deer Creek, Ford Heights

Project Number: 10-884-BF

Service Area: Calumet

Location: Ford Heights, IL

Engineering Consultant: Black & Veatch Corporation

General Contractor: To be determined

Estimated Construction Cost: \$3,440,000

Contract Award Date: April 2017*

Substantial Completion Date: April 2018*



Project Description: This project will reduce flood damage by improving channel conveyance and raising a berm for approximately 3,000 feet, between U.S. Route 30 and Hammond Lane, within the Village of Ford Heights. This project includes the construction of a vegetated berm, stabilization of bank slopes, placement of pools and rock riffles, and planting of diverse native landscaping.

Project Justification: Safety/Regulatory. This project will help alleviate public health and safety concerns by reducing overbank flooding, which affects approximately 270 structures within the Village of Ford Heights.

Project Status: The District has executed an intergovernmental agreement with the Village of Ford Heights for this project. The project is at the 98 percent design completion stage. The District is currently working to obtain the required easements and acquisitions for the project. Permits need to be finalized with the United States Army Corps of Engineers and the Illinois Department of Natural Resources.

This project is funded under the Capital Improvements Bond Fund. See Section V Capital Budget for additional information.

*Information shown is estimated.

Streambank Stabilization Project for the West Fork of the North Branch of the Chicago River

Project Number: 11-052-3F

Service Area: North

Location: Northbrook, IL

Engineering Consultant: AMEC Environment & Infrastructure, Inc.

General Contractor: Pan Oceanic Engineering Co., Inc.

Estimated Construction Cost: \$413,000

Contract Award Date: April 2016

Substantial Completion Date: April 2017*



Project Description: This project will stabilize the eastern streambank along the West Fork of the North Branch of the Chicago River through construction of a 155-foot gravity retaining wall. This project will protect two residential properties and utilities from active streambank erosion.

Project Justification: Safety/Regulatory. This project will address public safety and protect two structures and utilities in imminent danger of failure due to active streambank erosion.

Project Status: This project is under construction.

This project is funded under the Capital Improvements Bond Fund. See Section V Capital Budget for additional information.

*Information shown is estimated.

Addison Creek Reservoir

Project Number: 11-186-3F

Service Area: Stickney

Location: Bellwood, IL

Engineering Consultant: Christopher B. Burke Engineering, Ltd.

General Contractor: To be determined

Estimated Construction Cost: \$109,542,000

Contract Award Date: October 2017*

Substantial Completion Date: October 2019*



Project Description: This project will create an approximately 600 acre-foot flood control reservoir in Bellwood just north of Washington Boulevard and east of Addison Creek. This project includes reservoir excavation and installation of necessary appurtenances for operation of the facility, such as control structure, inlet structure, spillway, piping, and a pump station.

Project Justification: Safety/Regulatory. This project, along with Addison Creek Channel Improvements project, will help alleviate public health and safety concerns by reducing overbank flooding to approximately 2,200 structures along Addison Creek from Northlake to Broadview. In addition to providing flood control benefits, this reservoir will serve as compensatory storage for the channel improvement project.

Project Status: The project is in final design phase.

This project is funded under the Capital Improvements Bond Fund. See Section V Capital Budget for additional information.

*Information shown is estimated.

Flood Control Project on Farmers and Prairie Creeks

Project Number: 12-056-3F

Service Area: North

Location: Des Plaines, Park Ridge, and Maine Township

Engineering Consultant: HNTB Corporation

General Contractor: To be determined

Estimated Construction Cost: \$14,100,000

Contract Award Date: May 2017*

Substantial Completion Date: February 2019*



Project Description: This project includes flood storage and conveyance improvements along Farmers and Prairie Creeks, including channel modifications, detention expansion, diversion sewer construction, and streambank stabilization.

Project Justification: Safety/Regulatory. This project will help alleviate public health and safety concerns by reducing overbank flooding to approximately 128 structures and protecting numerous buildings through streambank stabilization.

Project Status: This project is in the final design stage. 98 percent documents were issued in February 2016.

This project is funded under the Capital Improvements Bond Fund. See Section V Capital Budget for additional information.

*Information shown is estimated.

Lyons Levee Flood Control Improvements, Lyons

Project Number: 13-199-3F

Service Area: Stickney

Location: Lyons, IL

Engineering Consultant: MC Consulting, Inc.

General Contractor: To be determined

Estimated Construction Cost: \$6,500,000

Contract Award Date: July 2017*

Substantial Completion Date: July 2018*



Project Description: The Lyons Levee is located on the east bank of the Des Plaines River and is approximately 4,000 feet long, beginning at Joliet Road at the upstream end and extending approximately 700 feet downstream of 47th Street. The scope of the project involves the restoration and improvement of the levee to a condition that will elevate the levee to modern design standards, provide flood protection, and prevent overtopping by events up to a 100-year design flood.

Project Justification: Safety/Regulatory. This project will provide protection against overtopping of the levee during a 100-year flood. Overtopping has resulted in major flooding in the recent past (2013), impacting the Village of Forest View that is located east of the levee. Overtopping could also jeopardize the ComEd substation that is located east of Forest View and create the potential for power disruptions or failures at Midway Airport and the Stickney Water Reclamation Plant.

Project Status: This project is in the final design stage. Short-term, temporary stabilization measures were implemented in 2014, pending long-term restoration measures.

This project is funded under the Capital Improvements Bond Fund. See Section V Capital Budget for additional information.

*Information shown is estimated.

Streambank Stabilization Project on Melvina Ditch, Oak Lawn and Chicago Ridge

Project Number: 13-248-3F

Service Area: Calumet

Location: Oak Lawn and Chicago Ridge, IL

Engineering Consultant: MWH Americas, Inc.

General Contractor: To be determined

Estimated Construction Cost: \$10,600,000

Contract Award Date: January 2017*

Substantial Completion Date: January 2020*



Project Description: This project involves streambank stabilization along Melvina Ditch, from 95th Street to 99th Street. Approximately 150 linear feet of the ditch at the north end of the project site will be stabilized with twin box culverts. The remaining 2,500 linear feet of the ditch will be stabilized with a precast concrete modular block retaining wall system.

Project Justification: Safety/Regulatory. The banks have deteriorated due to hydraulic erosion and slope failures, potentially compromising roadways and structures that are in the vicinity.

Project Status: Finalizing easements and permits. The District is currently seeking funding from Illinois Environmental Protection Agency State Revolving Fund loan program.

This project is funded under the Capital Improvements Bond Fund. See Section V Capital Budget for additional information.

*Information shown is estimated.

Buffalo Creek Reservoir Expansion

Project Number: 13-370-3F

Service Area: North

Location: Buffalo Grove, IL

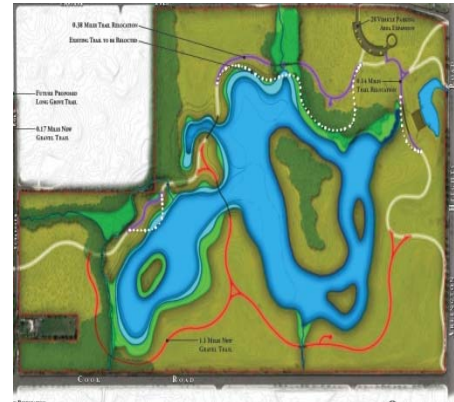
Engineering Consultant: Hey & Associates, Inc.

General Contractor: To be determined

Estimated Construction Cost: \$21,130,700

Contract Award Date: January 2017*

Substantial Completion Date: July 2018*



Project Description: This project will increase the impoundment capacity of the existing Buffalo Creek Reservoir by approximately 180 acre-feet. Pedestrian bridges and boardwalks will be replaced and existing trails will be relocated to remove them from the ten-year storm event.

Project Justification: Safety/Regulatory. Approximately 104 structures will receive flood protection from the expansion.

Project Status: The contract is being advertised for bids.

This project is partially funded under the Capital Improvements Bond Fund. See Section V Capital Budget for additional information [CIBF = \$19,300,000; Stormwater Management Fund = \$1,830,700]

*Information shown is estimated.

Albany Park Stormwater Diversion Tunnel

Project Number: 14-066-3F

Service Area: North

Location: Chicago, Illinois

Engineering Consultant: MWH Americas, Inc. under contract with Chicago Department of Transportation (CDOT)

General Contractor: Kenney Construction Company under contract with CDOT

Estimated Construction Cost: \$24,750,000 (District cost share amount)

Contract Award Date: August 2013 (Board Authority to enter agreement)

Substantial Completion Date: May 2018*



Project Description: Flood control project along the North Branch of the Chicago River to install a stormwater diversion tunnel to alleviate overland flooding in the Albany Park neighborhood in Chicago. CDOT proposes to construct a large diameter tunnel that would divert a portion of flood flows in the North Branch of the Chicago River from an inlet structure near Foster Avenue and North Springfield Avenue to an outlet on the North Shore Channel near Foster Avenue and Virginia Avenue. The proposed project includes an inlet shaft with inlet facilities, approximately 5,800 feet of 18-foot diameter rock tunnel, and an outlet shaft with outlet facilities.

Project Justification: Safety/Regulatory. This project will help alleviate public health and safety concerns by reducing overbank flooding affecting 336 structures in the Albany Park neighborhood in Chicago. This project is designed and built by the City of Chicago. The District is sharing the cost.

Project Status: Construction contract awarded. Notice to Proceed was issued April 25, 2016. This project is under construction.

This project is funded under the Capital Improvements Bond Fund. See Section V Capital Budget for additional information.

*Information shown is estimated.

Streambank Stabilization Projects for Addison Creek

Project Number: 14-108-3F

Service Area: Stickney

Location: Northlake and North Riverside, IL

Engineering Consultant: Burns & McDonnell Engineering Company, Inc.

General Contractor: To be determined

Estimated Construction Cost: \$995,000

Contract Award Date: January 2017*

Substantial Completion Date: January 2018*



Project Description: The scope of this project involves stabilization of approximately 750 feet of Addison Creek adjacent to Fullerton Avenue in Northlake and 410 linear feet of streambank adjacent to 19th Avenue in the Village of North Riverside. Stabilization methods include the installation of native vegetation, a vegetated geogrid, turf reinforcing mat, and the placement of riprap.

Project Justification: Safety/Regulatory.

Project Status: Project design is complete. The District is preparing bid documents.

This project is partially funded under the Capital Improvements Bond Fund. See Section V Capital Budget for additional information [CIBF = \$478,000; Stormwater Management Fund = \$517,000]

*Information shown is estimated.

Controls for Dearborn Homes

Project Number: 14-113-3F

Service Area: Stickney

Location: SWRP Service Area

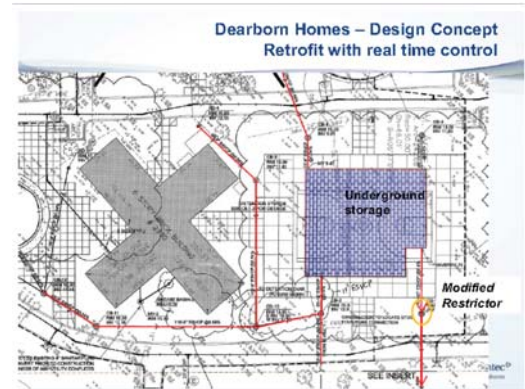
Engineering Consultant: Geosyntec Consultants

General Contractor: To be determined

Estimated Construction Cost: \$1,220,000

Contract Award Date: December 2016*

Substantial Completion Date: March 2017*



Project Description: Construct and install storm sewers, structures, irrigation equipment, rainwater harvesting pumps, water service connections, and the OptiRTC control tool to reuse the detained stormwater for irrigation of nearby landscaping for six buildings within the housing complex.

Project Justification: This project will assist in fulfilling requirements in the Green Infrastructure Section of the Combined Sewer Overflow Consent Decree.

Project Status: This project is in the design stage. The District is negotiating an intergovernmental agreement with the Chicago Housing Authority.

*Information shown is estimated.

Flood Control Project on Natalie Creek, Oak Forest, and Midlothian

Project Number: 14-252-3F

Service Area: Calumet

Location: Oak Forest and Midlothian, IL

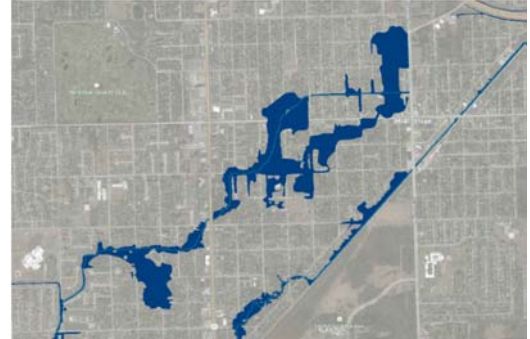
Engineering Consultant: Burns & McDonnell Engineering Company, Inc.

General Contractor: To be determined

Estimated Construction Cost: \$8,300,000

Contract Award Date: April 2017*

Substantial Completion Date: April 2019*



Project Description: The scope of this project is to install flood control measures for an estimated 15,800 linear feet along Natalie Creek from 157th and Central Park in Oak Forest to 146th and Pulaski in Midlothian. Flood control measures involve the upsizing of restrictive culverts, improving the channel at several locations, and the installation of a stormwater detention basin. The project will reduce flood damages for over 230 structures. This project is in the Little Calumet River Watershed.

Project Justification: Capacity Needs, Useful Life, Economic Benefit, and Safety/Regulatory.

Project Status: This project is in final design.

This project is funded under the Capital Improvements Bond Fund. See Section V Capital Budget for additional information.

*Information shown is estimated.

Melvina Ditch Reservoir Improvements

Project Number: 14-263-3F

Service Area: Calumet

Location: Burbank, IL

Engineering Consultant: V3 Companies of Illinois, Ltd.

General Contractor: To be determined

Estimated Construction Cost: \$21,452,000

Contract Award Date: February 2017*

Substantial Completion Date: March 2018*



Project Description: This project consists of expanding the existing Melvina Ditch Reservoir by up to 195 acre-feet to increase its storage capacity (up to 118 percent increase), modifying the pumping station to accommodate the reservoir expansion, and installing a new emergency overflow weir to reduce the likelihood of reservoir overtopping. Reservoir expansion will include work within the existing reservoir footprint (District property) and includes additional private properties around the perimeter of the reservoir. Local stakeholders gave feedback and a reservoir expansion configuration was selected. Additional work includes the installation of an emergency overflow/high water bypass structure and three flap gates and the replacement of the existing elliptical culverts at the outlet of the Melvina Ditch Reservoir Pumping Station with dual box culverts and a stormwater chamber. Construction limits are immediately adjacent to the pumping station and in the 87th Street right-of-way as needed to install the culverts and to replace any disturbed utilities in conflict with the installation. The storm pump will be removed and serviced and the impeller will be lengthened.

Project Justification: The Melvina Ditch Reservoir has exceeded its capacity in recent storm events, resulting in flooding in Burbank and Oak Lawn.

Project Status: This project is currently in the final design engineering stage. Construction of the Melvina Ditch Reservoir Improvements is anticipated to take 28 months. A portion of this project will be funded through a grant from the State of Illinois through its Build Illinois Bond funds.

This project is funded under the Capital Improvements Bond Fund. See Section V Capital Budget for additional information.

*Information shown is estimated.

Construction of Cleveland Street Relief Sewer, Niles

Project Number: 15-IGA-02

Service Area: North

Location: Niles, IL

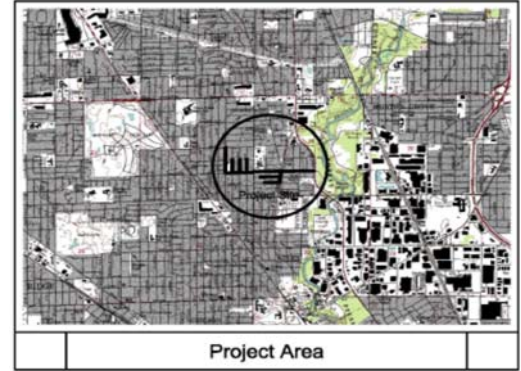
Engineering Consultant: Village of Niles

General Contractor: Bolder Contractors, Inc.

Estimated Construction Cost: \$2,000,000 (District cost share amount)

Contract Award Date: February 2016 (Board authority to enter agreement)

Substantial Completion Date: June 2017*



Project Description: This is a cost sharing agreement with the Village of Niles. The Village of Niles' Cleveland Street Relief Sewer project consists of approximately 11,200 feet of new storm sewer to provide relief from surface water flooding for the area generally bounded by Main Street to the north, Harlem Avenue to the east, Monroe Street to the south, and Oketo Avenue to the west. The Village is responsible for the design, construction, operation, and maintenance.

Project Justification: The new relief sewer provides capacity to convey surface water away from these areas into the North Branch of the Chicago River in order to minimize surface water flood damages and reduce the amount of surface water discharging to the existing combined sewer system in this area.

Project Status: This Village is currently taking bids for this contract.

This project is funded under the Capital Improvements Bond Fund. See Section V Capital Budget for additional information.

*Information shown is estimated.

Flood Control Project for Midlothian Turnpike at Lavergne Avenue, Crestwood

Project Number: 15-IGA-04

Service Area: Calumet

Location: Midlothian Turnpike & Lavergne Avenue Intersection

Engineering Consultant: Village of Crestwood

General Contractor: To be determined

Estimated Construction Cost: \$500,000 (District cost share amount)

Contract Award Date: September 2017* (Board Authority to enter agreement)

Substantial Completion Date: September 2018*



Project Description: This is a cost sharing agreement with the Village of Crestwood. Severe local flooding occurs at the intersection of Midlothian Turnpike and Lavergne Avenue due to the Calumet-Sag Tributary C overflowing its banks. The channel runs north and south along the west side of Lavergne Avenue.

Project Justification: The Village of Crestwood is currently investigating various stormwater flood control storage options (i.e. detention storage on Midlothian Country Club property, miscellaneous vacant Village parcels, etc.) in order to resolve the flooding of the Midlothian Turnpike and Lavergne Avenue intersection. An effective flood control alternative will eliminate the flooding hazard at the intersection and allow “Life Safety” services safe travel through the area. In the past, the Village of Crestwood has often closed the flooded intersection in order to keep commuters safe.

Project Status: This project is in the preliminary design stage.

This project is funded under the Capital Improvements Bond Fund. See Section V Capital Budget for additional information.

*Information shown is estimated.

Construction of Alternative ADCR-7B, Northlake

Project Number: 15-IGA-13

Service Area: Stickney

Location: Northlake, IL

Engineering Consultant: Christopher B. Burke Engineering, Ltd. under contract with the City of Northlake

General Contractor: To be determined

Estimated Construction Cost: \$1,000,000 (District cost share amount)

Contract Award Date: July 2013 (Board authority to enter agreement)

Substantial Completion Date: January 2018*



Project Description: This is a cost sharing agreement with the City of Northlake. This project will stabilize Addison Creek between Wolf Road and Palmer Avenue in the city of Northlake.

Project Justification: This project will alleviate public safety risks by protecting infrastructure from the danger of failure due to active streambank erosion.

Project Status: This project is in the design stage. The Board of Commissioners granted authority to enter into an intergovernmental agreement with the City of Northlake in July 2013, and the intergovernmental agreement was executed on March 10, 2014.

*Information shown is estimated.

Construction of a Levee along Thorn Creek at Arquilla Park, Glenwood

Project Number: 15-IGA-14

Service Area: Calumet

Location: Glenwood, IL

Engineering Consultant: K-Plus Engineering, LLC under contract with the Village of Glenwood

General Contractor: To be determined

Estimated Construction Cost: \$3,870,000 (District cost share amount)

Contract Award Date: January 2016 (Board authority to enter agreement)

Substantial Completion Date: October 2017*



Project Description: This project will provide a levee at Arquilla Park to protect residential structures from overbank flooding. This is a cost sharing agreement with the Village of Glenwood.

Project Justification: This project will protect approximately 31 residential structures from overbank flooding along Thorn Creek.

Project Status: The intergovernmental agreement was executed June 14, 2016. This project is currently in the design stage. Payment from the Stormwater Management Fund will be made in 2016 for design. Payment from the Capital Improvement Bond Fund will occur when construction begins.

This project is partially funded under the Capital Improvements Bond Fund. See Section V Capital Budget for additional information [CIBF = \$3,483,000; Stormwater Management Fund = \$387,000]

*Information shown is estimated.

Prairie/Washington Pumping Station Improvements, Brookfield

Project Number: 15-IGA-16

Service Area: Stickney

Location: Brookfield, IL

Engineering Consultant: Village of Brookfield

General Contractor: Glenbrook Excavating and Concrete

Estimated Construction Cost: \$814,000 (District cost share amount)

Contract Award Date: April 2016 (Board authority to enter agreement)

Substantial Completion Date: January 2017*



Project Description: This is a cost sharing agreement with the Village of Brookfield. The Village of Brookfield proposes to install a new pumping station and back-up generator near the Washington Avenue/Forest Avenue intersection, a box culvert under Forest Avenue, a new detention pond west of Forest Avenue, and other miscellaneous storm sewer improvements and restorations for the public benefit of reducing flooding in the general area. The Village is responsible for design, construction, operation, and maintenance.

Project Justification: Roadway and residential flooding due to Salt Creek flood levels, causing area storm sewers to back up.

Project Status: The project is being designed by the municipality. The Village and the District will enter into an intergovernmental agreement for the design, construction, operation, and maintenance of the project, subject to approval by their respective Boards.

This project is funded under the Capital Improvements Bond Fund. See Section V Capital Budget for additional information.

*Information shown is estimated.

Acquisition, Conversion to, and Maintenance of Open Space of Certain Flood-Prone Parcels of Real Property Located along the Des Plaines River, Des Plaines

Project Number: 15-IGA-18

Service Area: Stickney

Location: Des Plaines, IL

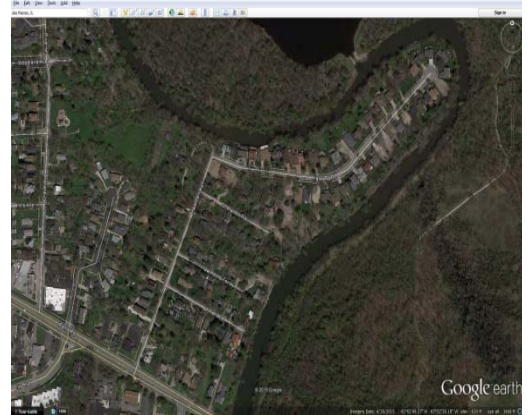
Engineering Consultant: Not applicable

General Contractor: Not applicable

Estimated Construction Cost: \$950,000 (District cost share amount)

Contract Award Date: September 2015 (Board authority to enter agreement)

Substantial Completion Date: December 2017*



Project Description: Purchase 13 flood-prone homes along the Des Plaines River. This is a cost sharing agreement with the City of Des Plaines.

Project Justification: Purchase of these homes will reduce the flood hazard risk in Des Plaines.

Project Status: Acquisitions have begun.

This project is funded under the Capital Improvements Bond Fund. See Section V Capital Budget for additional information.

*Information shown is estimated.

Installation of Green Infrastructure at Chicago Public Schools

Project Number: 15-IGA-20

Service Area: North, Calumet, and Stickney

Location: All Service Areas

Engineering Consultant: Multiple/To be determined

General Contractor: Multiple/To be determined

Estimated Construction Cost: \$16,000,000 (District cost share amount)

Contract Award Date: October 2014 (Board authority to enter agreement)

Substantial Completion Date: October 2019*



Project Description: The District, the Chicago Department of Water Management, and the Chicago Public Schools are partnering to design and install playgrounds at various Chicago Elementary Schools utilizing green infrastructure. The projects will reduce flooding, reduce the load on the combined sewer system, and educate students and neighbors about green infrastructure techniques and purpose.

Project Justification: This project will assist in fulfilling requirements in the Green Infrastructure Section of the Combined Sewer Overflow Consent Decree.

Project Status: Four playgrounds were transformed in 2014 as a pilot program under a different intergovernmental agreement. The current IGA has called for 30 more school playgrounds to be designed and constructed during the period of 2015-2019. Six schools were designed in 2015. Two of these schools, Willer Cather Elementary and Orozco Elementary Academy of Fine Arts and Sciences, were completed in 2015. The construction of three more school playgrounds (Daniel J. Corkery Elementary, Frank W. Gunsaulus Elementary Scholastic Academy, and James Wadsworth Elementary School) started in August 2016, and are anticipated to be completed by the end of 2016. It is anticipated that ten more schools will be designed in 2016-2017. The District plans to fund the ten designs, with the anticipation that the Chicago Department of Water Management and Chicago Public Schools will fund the design of the remaining schools. An amendment to the current intergovernmental agreement to allow us to fund these designs is being drafted by the Law Department.

*Information shown is estimated.

Flood Control Project on 103rd Street from Cicero Avenue to Central Avenue, Oak Lawn

Project Number: 15-IGA-22

Service Area: Calumet

Location: Oak Lawn, IL

Engineering Consultant: Village of Oak Lawn

General Contractor: To be determined

Estimated Construction Cost: \$3,000,000 (District cost share amount)

Contract Award Date: April 2017* (Board Authority to enter agreement)

Substantial Completion Date: April 2018*



Project Description: This is a cost sharing agreement with the Village of Oak Lawn. Oak Lawn proposes to install precast box culverts under 103rd Street and a back flow preventer with a pump prior to or at Stony Creek to provide underground stormwater detention storage.

Project Justification: This project will reduce flooding to residents of Oak Lawn. It will also reduce flooding downstream by preventing flow backup into the Oak Lawn sewer system.

Project Status: This project is being designed.

This project is funded under the Capital Improvements Bond Fund. See Section V Capital Budget for additional information.

*Information shown is estimated.

McDermott Drive/Morris Avenue Storm Sewer Improvements, SSA

Project Number: 16-IGA-04

Service Area: Stickney

Location: Village of Berkeley

Engineering Consultant: Shovel Ready (Civiltech Engineering, Inc. hired by the Village of Berkeley)

General Contractor: To be determined

Estimated Construction Cost: \$2,696,000 (District cost share amount)

Contract Award Date: June 2016 (Board authority to enter agreement)

Substantial Completion Date: June 2018*



Project Description: Construct two new storm sewers along McDermott Drive and Morris Avenue, expand the existing detention basin, and construct a stormwater pumping facility at the southwest corner of the existing detention basin to adequately convey a 100-year storm event. This is a cost sharing agreement with the Village of Berkeley.

Project Justification: This project will reduce flooding for nearly 800 residential structures in the Village of Berkeley.

Project Status: This project is being designed.

*Information shown is estimated.

Acquisition, Conversion to, and Maintenance of Open Space of Certain Flood-Prone Parcels of Real Property Located along the Des Plaines River, Riverside-Lawn

Project Number: 16-IGA-06

Service Area: Stickney

Location: Riverside Lawn, IL

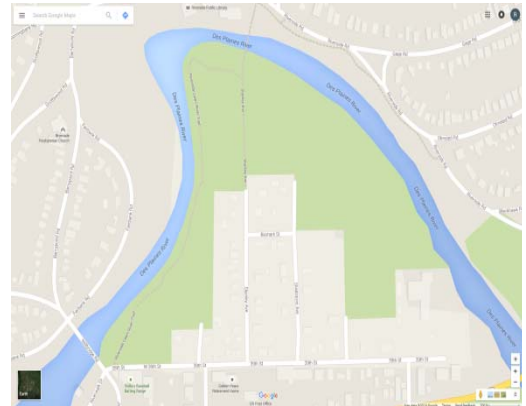
Engineering Consultant: Not applicable

General Contractor: Not applicable

Estimated Construction Cost: \$8,000,000 (District cost share amount)

Contract Award Date: January 2016 (Board authority to enter agreement)

Substantial Completion Date: December 2017*



Project Description: Purchase 39 flood-prone homes along the Des Plaines River. This is a cost sharing agreement with Riverside Lawn.

Project Justification: Purchase of these homes will reduce the flood hazard risk in Riverside Lawn area.

Project Status: The intergovernmental agreement has been prepared.

This project is funded under the Capital Improvements Bond Fund. See Section V Capital Budget for additional information.

*Information shown is estimated.

City of Berwyn Green Alleys

Project Number: 16-IGA-07

Service Area: Stickney

Location: Berwyn, IL

Engineering Consultant: Frank Novotny & Associates, Inc.

General Contractor: To be determined

Estimated Construction Cost: \$666,700* (District cost share amount)

Contract Award Date: December 2016* (Board authority to enter agreement)

Substantial Completion Date: Fall 2017*



Project Description: The City of Berwyn will be replacing ten alleys with permeable pavements throughout the city to reduce the current load to the combined sewer system and to help alleviate flooding within the project area. The District will be funding approximately 26.1 percent of the total \$2,555,165 construction cost.

Project Justification: This project will assist in fulfilling requirements in the Green Infrastructure Section of the Combined Sewer Overflow Consent Decree.

Project Status: An intergovernmental agreement with the City of Berwyn is under review. The project is in its early design stage.

*Information shown is estimated.

Crestwood Green Infrastructure

Project Number: 16-IGA-08

Service Area: Calumet

Location: Crestwood, IL

Engineering Consultant: VantagePoint Engineering LLC

General Contractor: To be determined

Estimated Construction Cost: \$1,176,000 (District cost share amount)

Contract Award Date: March 2017*

Substantial Completion Date: March 2018*



Project Description: This is a cost sharing agreement with the Village of Crestwood. The Village of Crestwood has proposed a five-phase plan to improve the recreational complex surrounding the Standard Bank Stadium. As part of the project, green infrastructure, including permeable pavements and bioswales, will be constructed to alleviate localized flooding.

Project Justification: This project will assist in fulfilling requirements in the Green Infrastructure Section of the Combined Sewer Overflow Consent Decree. Construction of green infrastructure at this highly trafficked location will provide needed flood relief in the immediate area while serving to further the District's goal of informing the public of the value of green infrastructure.

Project Status: The District is pursuing an intergovernmental agreement with the Village. The project is in its initial planning stage.

*Information shown is estimated.

Acquisition, Conversion to, and Maintenance of Open Space of Certain Flood-Prone Parcels of Real Property Located along the Des Plaines River, Des Plaines

Project Number: 16-IGA-11

Service Area: Stickney

Location: Des Plaines, IL

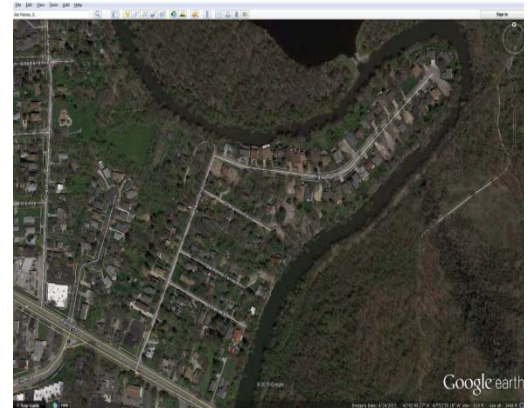
Engineering Consultant: Not applicable

General Contractor: Not applicable

Estimated Construction Cost: \$3,700,000 (District cost share amount)

Contract Award Date: October 2016*

Substantial Completion Date: December 2019*



Project Description: Purchase 49 flood-prone homes along the Des Plaines River. This is a cost sharing agreement with the City of Des Plaines.

Project Justification: Purchase of these homes will reduce the flood hazard risk in Des Plaines.

Project Status: The intergovernmental agreement has been prepared.

This project is funded under the Capital Improvements Bond Fund. See Section V Capital Budget for additional information.

*Information shown is estimated.

Acquisition, Conversion to, and Maintenance of Open Space of Certain Flood-Prone Parcels of Real Property Located along Butterfield Creek, Flossmoor

Project Number: 16-IGA-12

Service Area: Calumet

Location: Flossmoor, IL

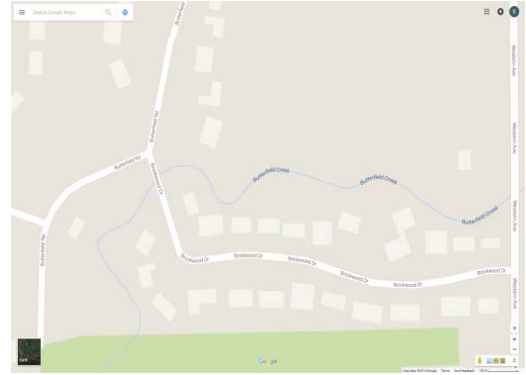
Engineering Consultant: Not applicable

General Contractor: Not applicable

Estimated Construction Cost: \$640,000 (District cost share amount)

Contract Award Date: October 2016*

Substantial Completion Date: December 2017*



Project Description: Purchase two flood-prone homes along Butterfield Creek. This is a cost sharing agreement with the Village of Flossmoor.

Project Justification: Purchase of these homes will reduce the flood hazard risk in Flossmoor.

Project Status: The intergovernmental agreement has been prepared.

This project is funded under the Capital Improvements Bond Fund. See Section V Capital Budget for additional information.

*Information shown is estimated.

Acquisition, Conversion to, and Maintenance of Open Space of Certain Flood-Prone Parcels of Real Property Located along Silver Creek, Franklin Park

Project Number: 16-IGA-13

Service Area: Stickney

Location: Franklin Park, IL

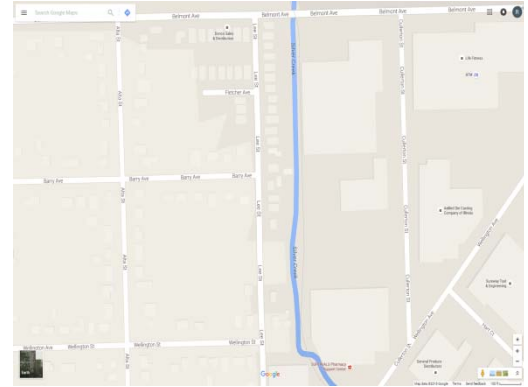
Engineering Consultant: Not applicable

General Contractor: Not applicable

Estimated Construction Cost: \$4,700,000 (District cost share amount)

Contract Award Date: October 2016*

Substantial Completion Date: December 2019*



Project Description: Purchase 32 flood-prone homes along Silver Creek. This is a cost sharing agreement with the Village of Franklin Park.

Project Justification: Purchase of these homes will reduce the flood hazard risk in Franklin Park.

Project Status: The intergovernmental agreement has been prepared.

This project is funded under the Capital Improvements Bond Fund. See Section V Capital Budget for additional information.

*Information shown is estimated.

Acquisition, Conversion to, and Maintenance of Open Space of Certain Flood-Prone Parcels of Real Property Located along Addison Creek, Northlake

Project Number: 16-IGA-14

Service Area: Stickney

Location: Northlake, IL

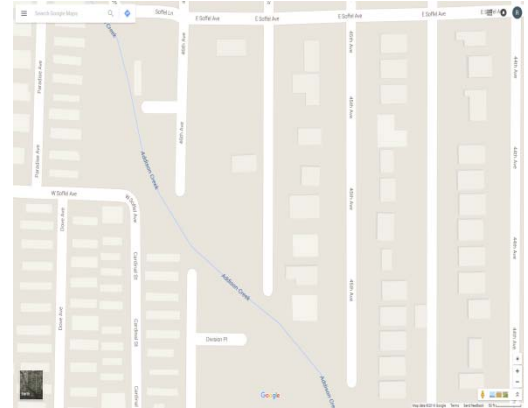
Engineering Consultant: Not applicable

General Contractor: Not applicable

Estimated Construction Cost: \$1,350,000 (District cost share amount)

Contract Award Date: October 2016*

Substantial Completion Date: December 2018*



Project Description: Purchase eight flood-prone homes along Addison Creek. This is a cost sharing agreement with the City of Northlake.

Project Justification: Purchase of these homes will reduce the flood hazard risk in Northlake.

Project Status: The intergovernmental agreement has been prepared.

This project is funded under the Capital Improvements Bond Fund. See Section V Capital Budget for additional information.

*Information shown is estimated.

Acquisition, Conversion to, and Maintenance of Open Space of Certain Flood-Prone Parcels of Real Property Located along Addison Creek, Stone Park

Project Number: 16-IGA-15

Service Area: Stickney

Location: Stone Park, IL

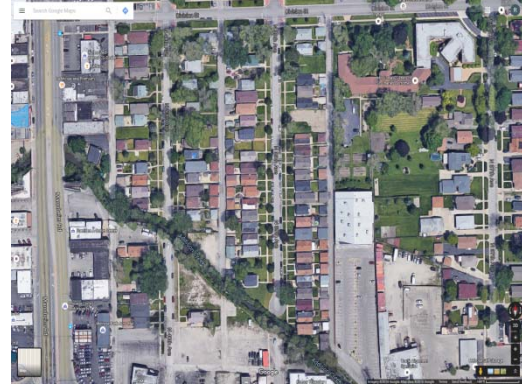
Engineering Consultant: Not applicable

General Contractor: Not applicable

Estimated Construction Cost: \$2,700,000 (District cost share amount)

Contract Award Date: October 2016*

Substantial Completion Date: December 2019*



Project Description: Purchase 35 flood-prone homes along Addison Creek. This is a cost sharing agreement with the Village of Stone Park.

Project Justification: Purchase of these homes will reduce the flood hazard risk in Stone Park.

Project Status: The intergovernmental agreement has been prepared.

This project is funded under the Capital Improvements Bond Fund. See Section V Capital Budget for additional information.

*Information shown is estimated.

Acquisition, Conversion to, and Maintenance of Open Space of Certain Flood-Prone Parcels of Real Property Located along the Des Plaines River, Wheeling Township

Project Number: 16-IGA-16

Service Area: Stickney

Location: Wheeling Township, IL

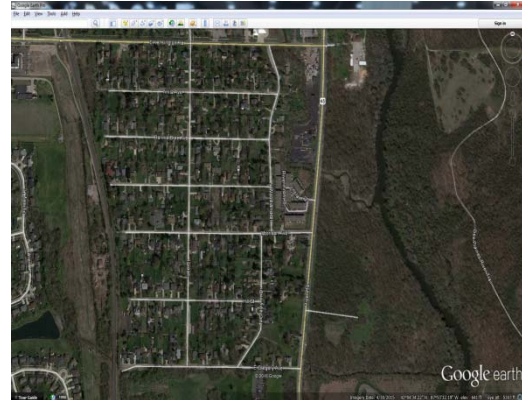
Engineering Consultant: Not applicable

General Contractor: Not applicable

Estimated Construction Cost: \$1,410,000 (District cost share amount)

Contract Award Date: October 2016*

Substantial Completion Date: December 2018*



Project Description: Purchase six flood-prone homes along the Des Plaines River. This is a cost sharing agreement with Wheeling Township.

Project Justification: Purchase of these homes will reduce the flood hazard risk in Wheeling Township.

Project Status: The intergovernmental agreement has been prepared.

This project is funded under the Capital Improvements Bond Fund. See Section V Capital Budget for additional information.

*Information shown is estimated.

Flood Control Project at 61st Avenue and 36th Street, Cicero

Project Number: 16-IGA-21

Service Area: Stickney

Location: Cicero, IL

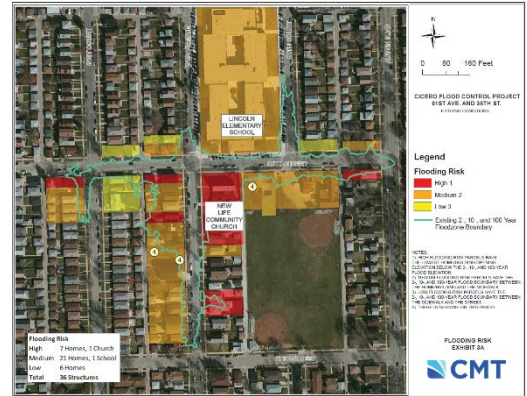
Engineering Consultant: To be determined

General Contractor: To be determined

Estimated Construction Cost: \$2,498,000 (District cost share amount)

Contract Award Date: April 2017*

Substantial Completion Date: April 2018*



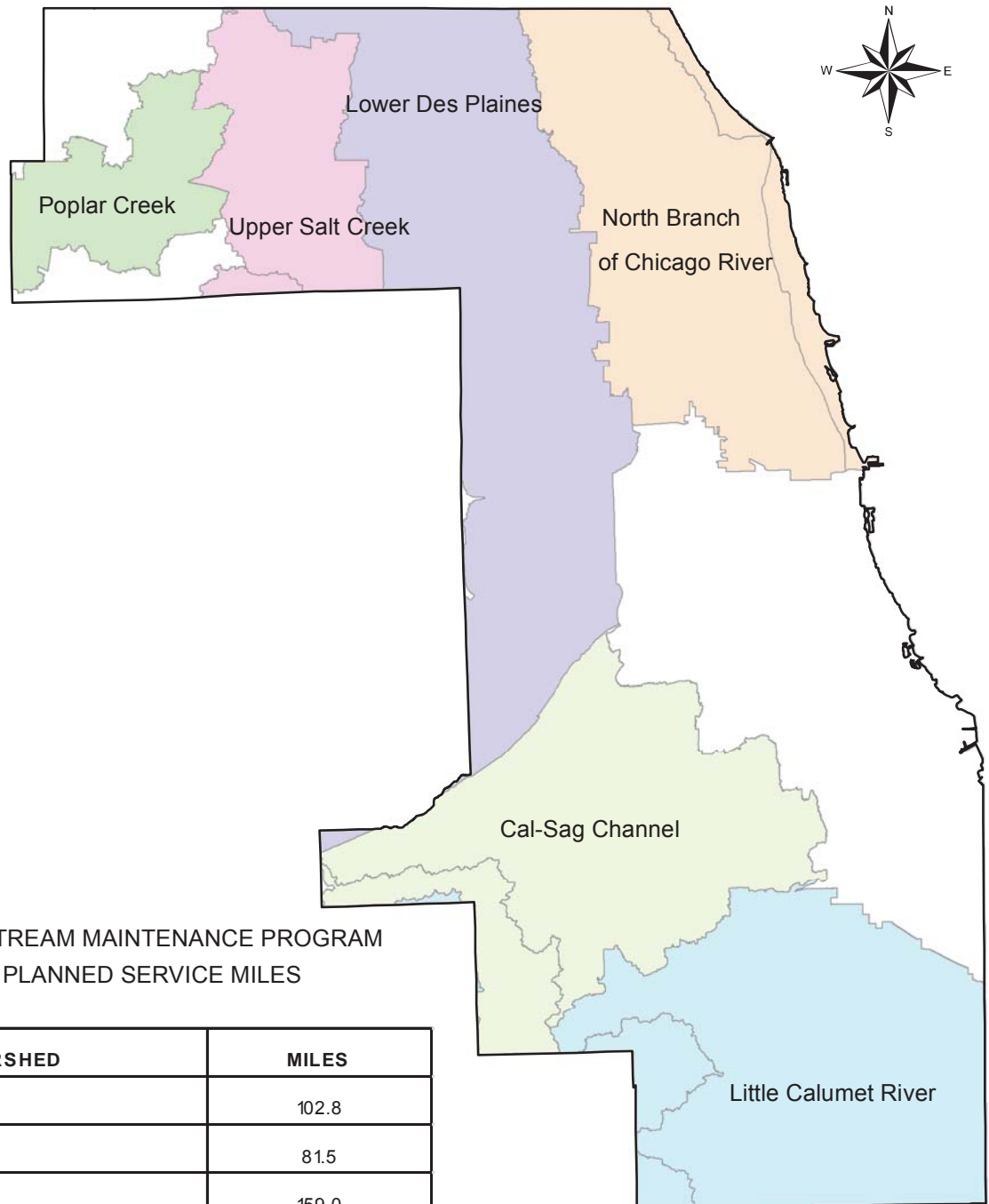
Project Description: New storm sewers will be constructed to collect stormwater tributary to the 61st Avenue and 36th Street intersection in the Town of Cicero and conveyed to Kolar Park where it will be detained and released via a constricted outlet. A new split detention system will include a 5.5 acre-feet underground detention facility beneath Kolar Park, designed to attenuate a 25-year storm, and an additional 1.9 acre-feet of storage will be provided above ground by recessing Kolar Park to achieve a 50-year storm total level of protection. This is a cost sharing agreement with the Town of Cicero. The design, construction, operations, and maintenance will be the responsibility of the Town.

Project Justification: This project will protect approximately 34 residential structures, Lincoln Elementary School and New Life Community Church from flooding located at the intersection of 61st Avenue and 36th Street in the Town of Cicero.

Project Status: The preliminary design phase of this project was completed in February 2016. Final design is expected to be completed by the Town of Cicero as part of the intergovernmental agreement. The first draft of the intergovernmental agreement is currently in negotiation between the Town of Cicero and the District and is expected to be executed in Fall 2016.

*Information shown is estimated.

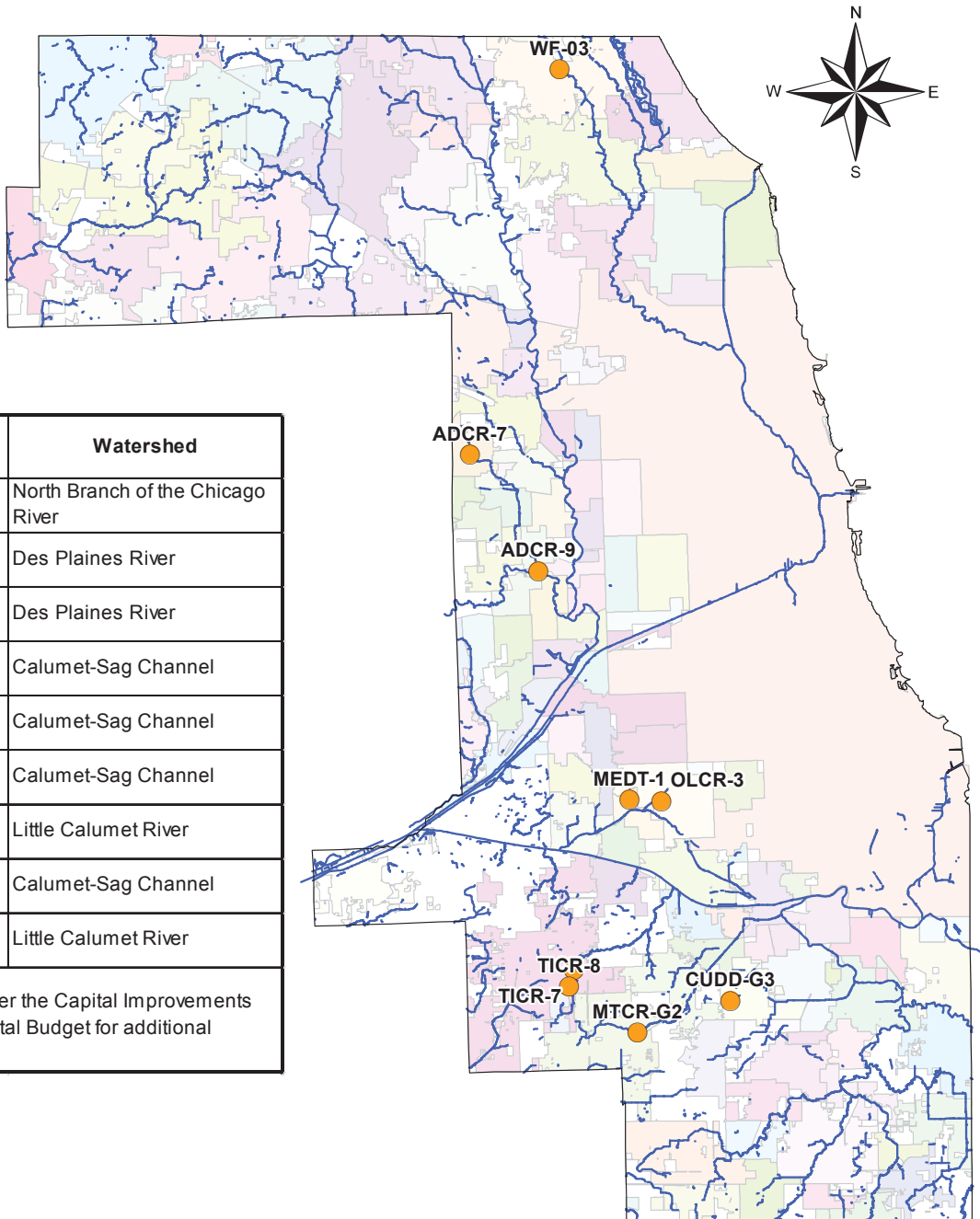
STORMWATER MANAGEMENT WATERSHEDS



SMALL STREAM MAINTENANCE PROGRAM
2017 PLANNED SERVICE MILES

WATERSHED	MILES
CAL - SAG CHANNEL	102.8
LITTLE CALUMET RIVER	81.5
LOWER DES PLAINES	159.0
NORTH BRANCH OF CHICAGO RIVER	74.4
POPLAR CREEK	56.9
UPPER SALT CREEK	57.1
TOTAL	531.7

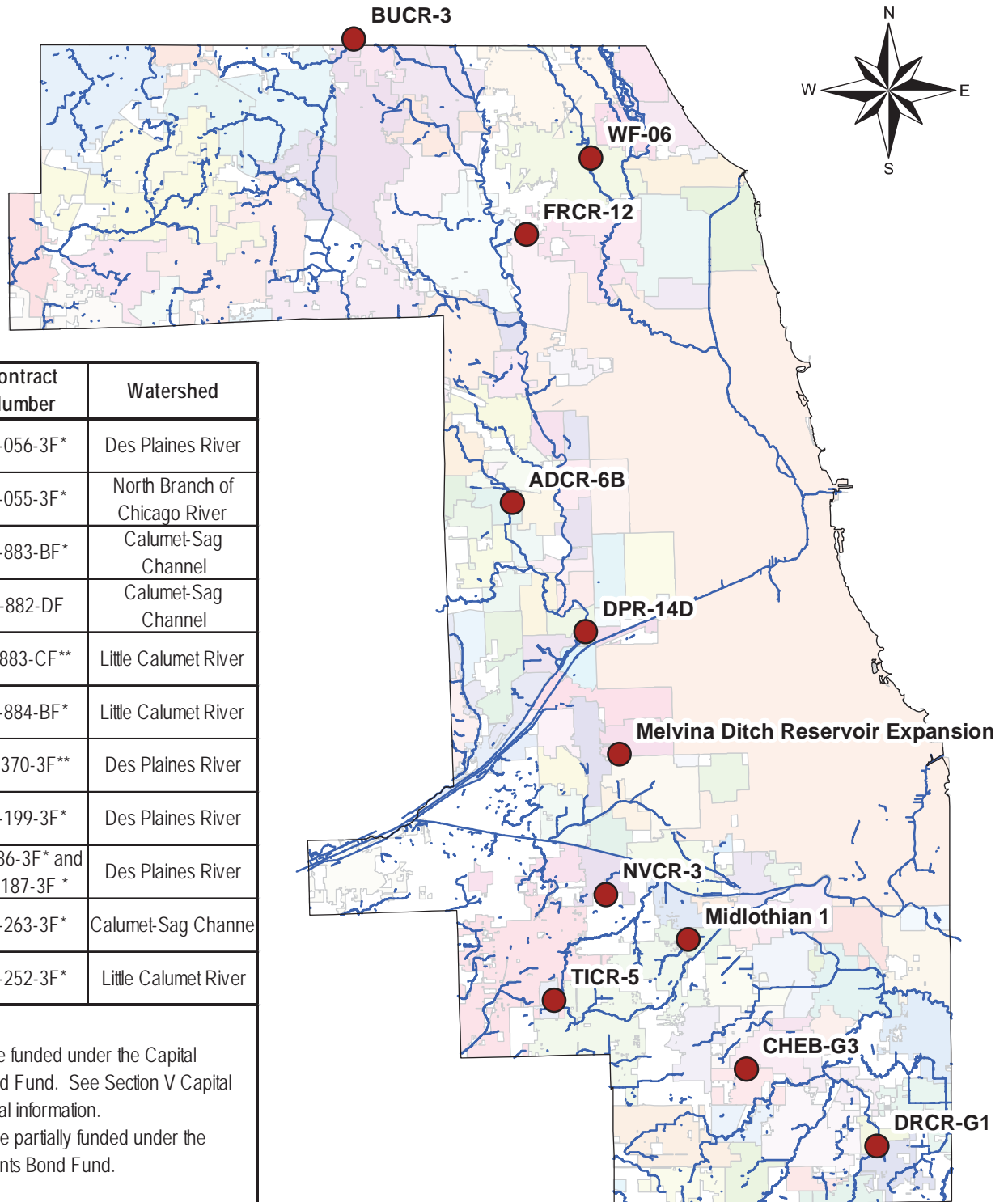
STORMWATER MANAGEMENT PROJECTS STREAMBANK STABILIZATION



Project ID	Contract Number	Watershed
WF-03	11-052-3F*	North Branch of the Chicago River
ADCR-7	14-108-3F	Des Plaines River
ADCR-9	14-108-3F*	Des Plaines River
OLCR-3	10-237-3F*	Calumet-Sag Channel
MEDT-1	13-248-3F*	Calumet-Sag Channel
TICR-7	10-882-AF*	Calumet-Sag Channel
CUDD-G3	10-882-BF	Little Calumet River
TICR-8	10-882-AF*	Calumet-Sag Channel
MTCR-G2	10-882-CF*	Little Calumet River

*These projects are funded under the Capital Improvements Bond Fund. See Section V Capital Budget for additional information.

STORMWATER MANAGEMENT PROJECTS FLOOD CONTROL

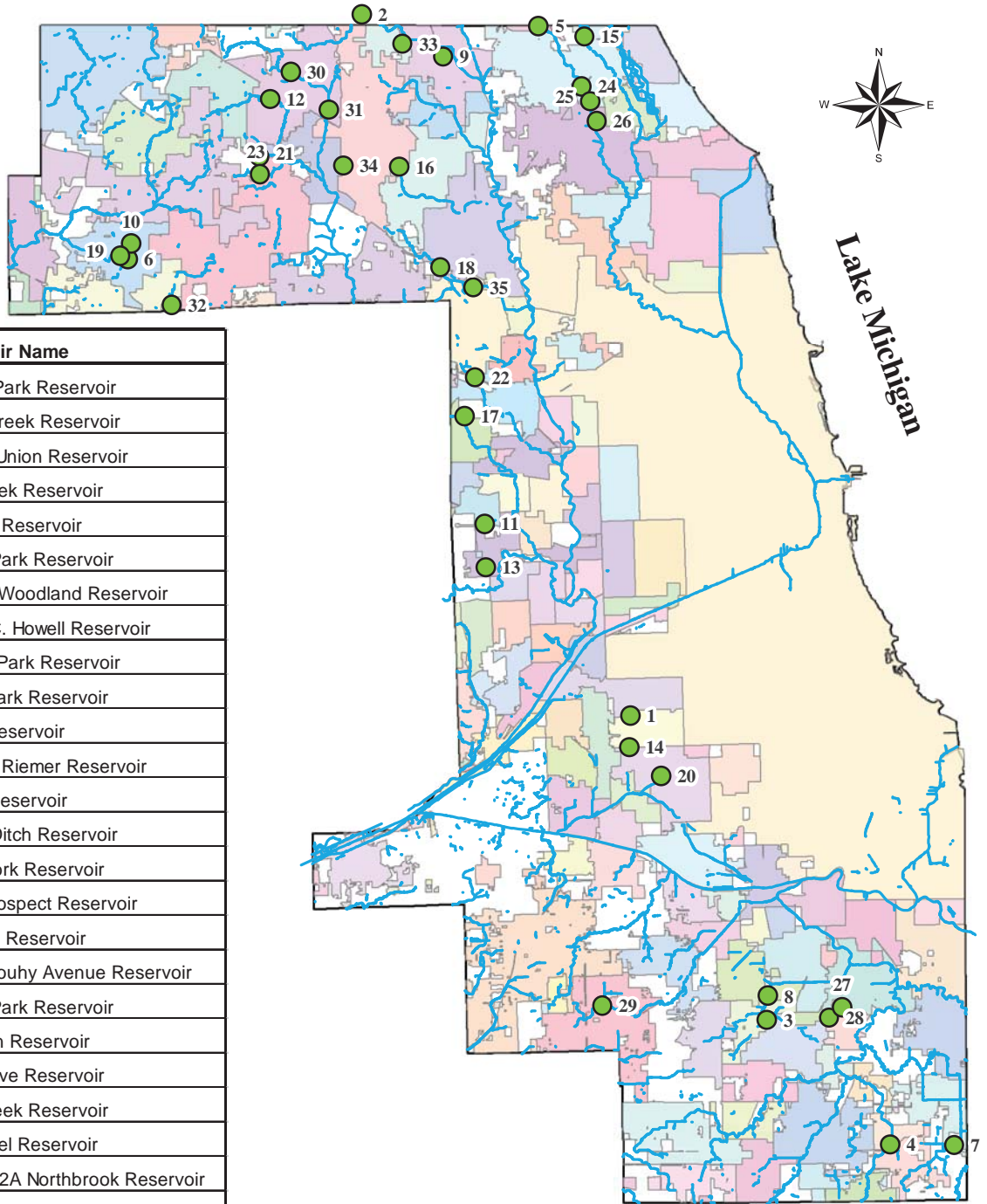


Project ID	Contract Number	Watershed
FRCR-12	12-056-3F*	Des Plaines River
WF-06	12-055-3F*	North Branch of Chicago River
NVCR-3	10-883-BF*	Calumet-Sag Channel
TICR-5	10-882-DF	Calumet-Sag Channel
CHEB-G3	10-883-CF**	Little Calumet River
DRCR-G1	10-884-BF*	Little Calumet River
BUCR-3	13-370-3F**	Des Plaines River
DPR-14D	13-199-3F*	Des Plaines River
ADCR-6B	11-186-3F* and 11-187-3F *	Des Plaines River
MDRE	14-263-3F*	Calumet-Sag Channel
Midlothian 1	14-252-3F*	Little Calumet River

*These projects are funded under the Capital Improvements Bond Fund. See Section V Capital Budget for additional information.

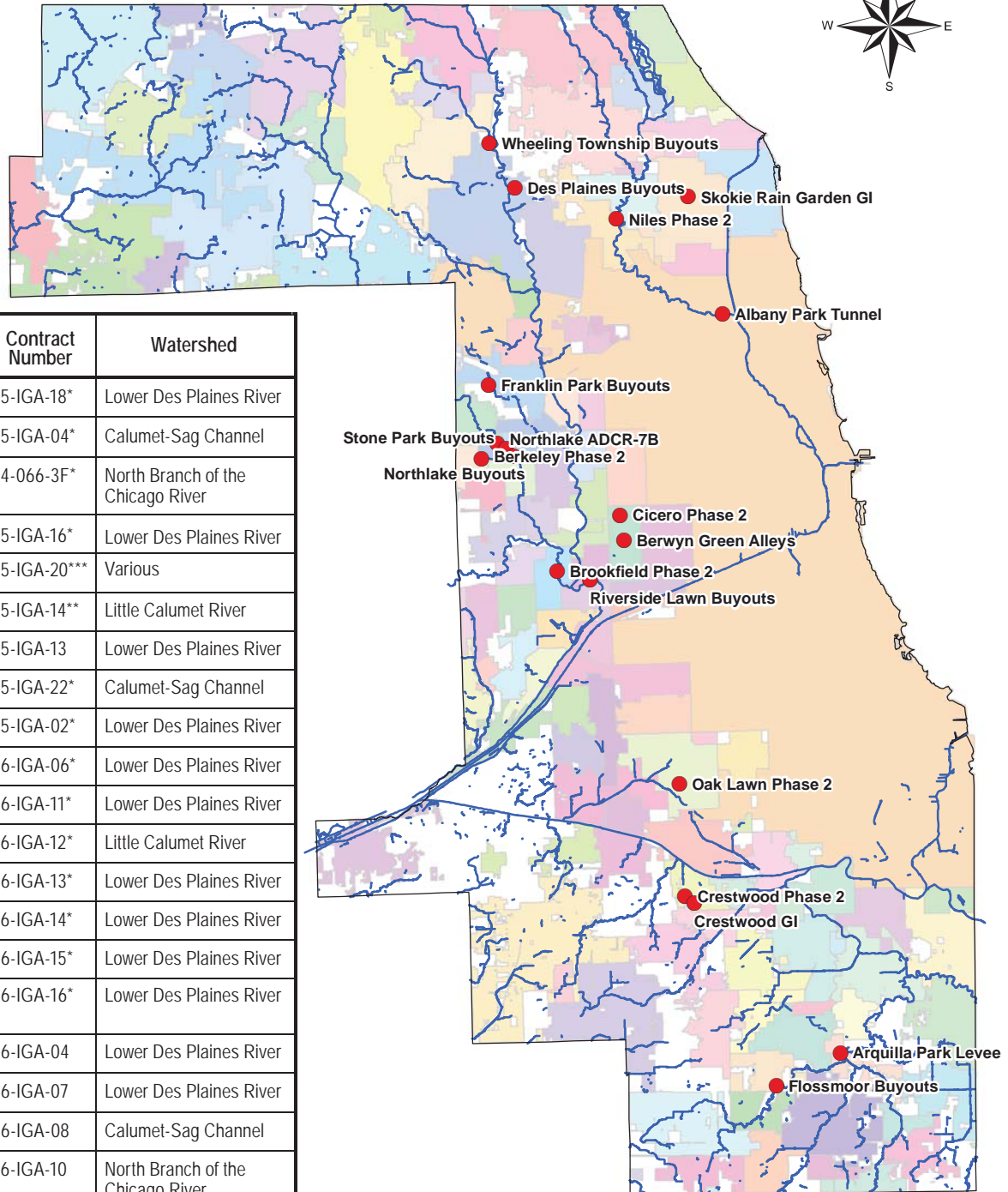
**These projects are partially funded under the Capital Improvements Bond Fund.

EXISTING MWRD SUPPORTED FLOOD CONTROL RESERVOIRS



#	Reservoir Name
1	Bedford Park Reservoir
2	Buffalo Creek Reservoir
3	Calumet Union Reservoir
4	Deer Creek Reservoir
5	Deerfield Reservoir
6	Dolphin Park Reservoir
7	Dr. Mary Woodland Reservoir
8	Edward C. Howell Reservoir
9	Heritage Park Reservoir
10	Hillside Park Reservoir
11	Hillside Reservoir
12	Margreth Riemer Reservoir
13	Mayfair Reservoir
14	Melvina Ditch Reservoir
15	Middle Fork Reservoir
16	Mount Prospect Reservoir
17	Northlake Reservoir
18	O'Hare/Touhy Avenue Reservoir
19	Oak Hill Park Reservoir
20	Oak Lawn Reservoir
21	Plum Grove Reservoir
22	Silver Creek Reservoir
23	St. Michael Reservoir
24	Techny 32A Northbrook Reservoir
25	Techny 32B Techny Reservoir
26	Techny 32C Glenview Reservoir
27	Thornton Composite Reservoir
28	Tinley Park Reservoir
29	Tom T. Hamilton Reservoir
30	Twin Lakes Reservoir
31	Upper DuPage Reservoir
32	White Pine Ditch Reservoir
33	Wilke-Kirchoff Reservoir
34	Willow-Higgins Reservoir

STORMWATER MANAGEMENT PROJECTS GREEN INFRASTRUCTURE AND INTERGOVERNMENTAL AGREEMENTS



Project ID	Contract Number	Watershed
Des Plaines Buyouts	15-IGA-18*	Lower Des Plaines River
Crestwood Phase 2	15-IGA-04*	Calumet-Sag Channel
Albany Park Tunnel	14-066-3F*	North Branch of the Chicago River
Brookfield Phase 2	15-IGA-16*	Lower Des Plaines River
CPS GI	15-IGA-20***	Various
Arquilla Park Levee	15-IGA-14**	Little Calumet River
Northlake ADCR-7B	15-IGA-13	Lower Des Plaines River
Oak Lawn Phase 2	15-IGA-22*	Calumet-Sag Channel
Nilas Phase 2	15-IGA-02*	Lower Des Plaines River
Riverside Lawn Buyouts	16-IGA-06*	Lower Des Plaines River
Des Plaines Buyouts	16-IGA-11*	Lower Des Plaines River
Flossmoor Buyouts	16-IGA-12*	Little Calumet River
Franklin Park Buyouts	16-IGA-13*	Lower Des Plaines River
Northlake Buyouts	16-IGA-14*	Lower Des Plaines River
Stone Park Buyouts	16-IGA-15*	Lower Des Plaines River
Wheeling Township Buyouts	16-IGA-16*	Lower Des Plaines River
Berkeley Phase 2	16-IGA-04	Lower Des Plaines River
Berwyn Green Alleys	16-IGA-07	Lower Des Plaines River
Crestwood GI	16-IGA-08	Calumet-Sag Channel
Skokie Rain Garden GI	16-IGA-10	North Branch of the Chicago River
Cicero Phase 2	16-IGA-21	Lower Des Plaines River

*These projects are funded under the Capital Improvements Bond Fund. See Section V Capital Budget for additional information.

**These projects are partially funded under the Capital Improvements Bond Fund.

***This project is being constructed at multiple public school locations.

50000 STORMWATER MANAGEMENT FUND

OBJECTIVES AND PROGRAM SUMMARY

OBJECTIVES BY PRIORITY:	Cost	Percent
1. Implementation of the Watershed Management Ordinance. Initiation of the program to improve flood control, manage runoff, improve water quality throughout Cook County, and clearly define uniform rules and regulations.	\$ 2,584,300	5.7%
2. Planning, design, and construction of stormwater management projects by the District or outside agencies under agreement.	\$ 36,031,900	80.1%
3. Operation and maintenance of natural and manmade drainageways for the purpose of stormwater management.	\$ 6,380,900	14.2%
Total	<u>\$ 44,997,100</u>	<u>100.0%</u>

MEASURABLE GOALS:

	2015	2016	2017
Unit of Measure	Actual	Estimated	Proposed
1. Award contracts for the continued implementation of the Stormwater Management Capital Improvement Plan.			
Number of contracts to be advertised	3*	8**	17
Number of contracts to be awarded	3*	8**	17
2. Expenditures for the acquisition of flood-prone properties.***	Dollars Spent	\$8,000,000	\$4,750,000
			\$13,955,200
3. Commit funds for eligible stormwater management projects.	Dollars Committed	\$14,094,443	\$13,762,900
			\$14,447,700
4. Remove 33,500 cubic yards of debris from 532 miles of small streams and rivers.	Debris Cubic Yards Removed	25,785	33,500
			33,500

* One of these projects is budgeted in the Capital Improvements Bond Fund. See Section V Capital Budget for additional information.

** Six of these projects are budgeted in the Capital Improvements Bond Fund. See Section V Capital Budget for additional information.

*** Funds for the Flood-Prone Property Acquisition Program are funded by the Capital Improvements Bond Fund. Further details are in the Stormwater Management Fund Narrative.

50000 STORMWATER MANAGEMENT FUND

OBJECTIVES AND PROGRAM SUMMARY

PROGRAMS BY PRIORITY:		2015	Budgeted		Change		
Number	Name	Actual	FTEs	Dollars	Dollars	Percent	
1500	Local Sewer Engineering Activity	\$ 617,184	2017 9	\$ 931,000	\$ (22,400)	(2.3)	
			2016 10	\$ 953,400			
4310	Stormwater Management Planning	\$ 126,989	2017 -	\$ -	\$ (287,600)	(100.0)	a)
			2016 -	\$ 287,600			
4320	Stormwater Management Regulation	\$ 126,727	2017 1	\$ 223,300	\$ 17,100	8.3	
			2016 1	\$ 206,200			
4330	Operations and Maintenance	\$ 6,378,301	2017 26	\$ 6,299,800	\$ (30,600)	(0.5)	
			2016 26	\$ 6,330,400			
4340	Flood Mitigation Projects	\$ 27,243,518	2017 19	\$ 36,021,200	\$ 5,121,700	16.6	b)
			2016 20	\$ 30,899,500			
4350	Administrative Overhead	\$ 833,818	2017 2	\$ 1,440,700	\$ (317,400)	(18.1)	c)
			2016 2	\$ 1,758,100			
7604	Social Security and Medicare Contributions	\$ -	2017 -	\$ 81,100	\$ 15,500	23.6	d)
			2016 -	\$ 65,600			
Totals		\$ 35,326,537	2017 57	\$ 44,997,100	\$ 4,496,300	11.1%	
			2016 59	\$ 40,500,800			

- a) Decrease is due to the planned completion of a watershed specific release rate study as required under the Watershed Management Ordinance in 2016 (\$253,000).
- b) Increase is primarily due to the addition in requests for support of the Chicago Public Schools Green Infrastructure Program (\$4,500,000) and for plans for a new waterway facilities structure (603,000).
- c) Decrease is due to a reduced volume of planned stormwater management projects, resulting in lower mitigation fees (\$350,000).
- d) Increase is due to the calculation for Social Security and Medicare as a percentage of salaries.

50000 STORMWATER MANAGEMENT FUND

PERFORMANCE DATA

Program Number	Measurable Activity Title		2015 Actual	2016 Budgeted	2017 Estimated	
1500	Local Sewer Engineering Activity					
1530	Local Sewer Permit Activity	Cost	\$ 425,167	\$ 614,000	\$ 600,100	
1560	Local Sewer Public Service Coordination	Cost	\$ 149,433	\$ 287,600	\$ 270,300	
1570	Local Sewer Rehabilitation	Cost	\$ 42,584	\$ 51,800	\$ 60,600	a)
4310	Stormwater Management Planning					
4311	Watershed Councils	Cost	\$ 20,052	\$ 21,700	\$ 20,900	
4312	Mapping, Surveys, and Soil Testing	Cost	\$ 54,105	\$ 253,000	\$ -	b)
4314	Publications and Public Information	Cost	\$ 25,704	\$ 12,900	\$ 10,700	c)
4315	GIS System	Cost	\$ 27,128	\$ -	\$ -	
4320	Stormwater Management Regulation					
4321	Permits	Cost	\$ 26,276	\$ 134,700	\$ 128,300	
4322	Storm & Flood Ordinance Development	Cost	\$ 89,134	\$ 60,000	\$ 51,800	
4323	Inspections	Cost	\$ 11,317	\$ 11,500	\$ 11,600	
4330	Operations & Maintenance					
4331	Stormwater Detention Reservoir Activity	Cost	\$ 1,130,865	\$ 1,148,400	\$ 1,180,200	
4332	Small Stream Maintenance	Cost	\$ 4,046,156	\$ 4,926,300	\$ 4,874,700	
	Debris Cubic Yards Removed		25,785	33,500	33,500	
	Cost per Cubic Yard		\$ 156.92	\$ 147.05	\$ 145.51	
4334	Operations & Maintenance Contracted with Other Governments	Cost	\$ 1,082,335	\$ 155,700	\$ 159,900	
4335	Waterways Debris Removal	Cost	\$ 118,945	\$ 100,000	\$ 85,000	d)

- a) Increase is due to the reallocation of salaries to more accurately reflect current activities.
- b) Decrease is due to the planned completion of a watershed specific release rate study as required under the Watershed Management Ordinance in 2016.
- c) Decrease is due to the reallocation of salaries to more accurately reflect current activities (\$3,200), offset by an increased requirement for express mailings (\$1,000).
- d) Decrease is due to the deferral to 2017 and reduced estimate for the purchase of a pontoon boat.

50000 STORMWATER MANAGEMENT FUND

PERFORMANCE DATA

Program Number	Measurable Activity Title		2015 Actual	2016 Budgeted	2017 Estimated	
4340	Flood Mitigation Projects					
4341	Planning/Design	Cost	\$ 10,710,493	\$ 10,745,200	\$ 9,691,900	e)
4342	Contract Administration	Cost	\$ 602,100	\$ 628,800	\$ 611,100	
4343	Construction	Cost	\$ 5,140,207	\$ 9,410,100	\$ 4,935,600	f)
4344	Flood Mitigation Projects Contracted with Other Governments	Cost	\$ 8,387,107	\$ 3,972,200	\$ 13,367,400	g)
4345	Land & Easements	Cost	\$ 279,691	\$ 2,870,500	\$ 1,645,900	h)
7601	Capital Financing Program and Other Related Costs	Cost	\$ 2,123,920	\$ 3,272,700	\$ 5,769,300	i)
4350	Administrative Overhead	Cost	\$ 833,818	\$ 1,758,100	\$ 1,440,700	j)
7604	Social Security and Medicare Contributions	Cost	\$ -	\$ 65,600	\$ 81,100	k)
Total			\$ 35,326,537	\$ 40,500,800	\$ 44,997,100	

- e) Decrease is due to the progress in preliminary engineering consulting for stormwater projects.
- f) Decrease is due to the planned completion of construction work in 2016 for Contract 10-883-AF, Flood Control/Streambank Stabilization Project on Tinley Creek, Crestwood (\$6,861,000), offset by an increase in various streambank stabilization projects (\$2,424,000).
- g) Increase is due to intergovernmental agreements for green infrastructure with the Chicago Public Schools (\$4,500,000), McDermott Drive/Morris Avenue Storm Sewer Improvements, Village of Berkeley (\$2,022,000), and Phase II Intergovernmental Agency Agreements (\$3,171,200).
- h) Decrease is due to reduced land acquisitions (\$590,000), an anticipated decrease in the need for easements for planned projects (\$600,000), and the drop of one Assistant Civil Engineer position (\$43,700).
- i) Increase is due to a higher anticipated amount for residual equity transfers from the Stormwater Management Fund to the Bond Redemption and Interest Fund (\$2,496,600). All debt service payments related to the District's Alternate Revenues Stormwater bonds are required to be funded by property tax collections of the Stormwater Management Fund.
- j) Decrease is due to a reduced volume of planned stormwater management projects that may require paying wetland mitigation fees (\$350,000).
- k) Increase is due to the calculation for Social Security and Medicare as a percentage of salaries.

501 50000	Fund: Stormwater Management Department: Stormwater Management Division:	LINE ITEM ANALYSIS						
		2015	2016				2017	
Account Number	Account Name	Expenditure	Original Appropriation	Adjusted Appropriation 09/30/16	Expenditure (Committed Budget plus Disbursement) 09/30/16	Estimated Expenditure 12/31/16	Proposed by Executive Director	Recommended by Committee on Budget and Employment
601010	Salaries of Regular Employees	\$ 5,134,227	\$ 5,768,100	\$ 5,768,100	\$ 3,852,151	\$ 5,268,000	\$ 5,634,800	\$ -
601060	Compensation Plan Adjustments	101,620	179,900	179,900	126,251	152,900	193,000	-
601070	Social Security and Medicare Contributions	-	65,600	65,600	56,597	65,600	81,100	-
601080	Salaries of Nonbudgeted Employees	-	20,000	20,000	-	-	11,400	-
601100	Tuition and Training Payments	1,815	10,000	10,000	8,250	10,000	30,600	-
601170	Payments for Professional Services	9,613	-	-	-	-	-	-
601250	Health and Life Insurance Premiums	522,073	550,000	550,000	326,419	528,000	580,300	-
601270	General Salary Adjustments	-	-	-	-	-	-	-
601410	Personal Services Exp for Prelim Engineering Rpts and Studies	7,816,443	-	-	-	-	-	-
601420	Personal Services Exp for Constr Drawings, Specs, and Cost Est	1,248,647	-	-	-	-	-	-
601440	Personal Svcs for Post-Award Engr for Construction Projects	28,601	-	-	-	-	-	-
100	TOTAL PERSONAL SERVICES	14,863,038	6,593,600	6,593,600	4,369,669	6,024,500	6,531,200	-
612010	Travel	646	2,000	2,000	1,461	1,700	2,300	-
612030	Meals and Lodging	2,487	5,600	5,600	1,577	4,800	5,100	-
612040	Postage, Freight, and Delivery Charges	999	1,500	1,500	1,500	1,500	2,500	-
612050	Compensation for Personally-Owned Automobiles	19,038	24,000	24,000	7,071	19,000	24,800	-
612080	Motor Vehicle Operating Services	288	800	800	16	700	800	-
612240	Testing and Inspection Services	1,148	20,000	20,000	20,000	10,000	29,500	-
612250	Court Reporting Services	9,279	10,000	10,000	10,000	8,900	12,000	-
612330	Rental Charges	-	2,500	2,500	2,500	2,200	2,500	-
612380	Soil and Rock Mechanics Investigation	5,542	20,000	20,000	19,458	10,000	-	-
612400	Intergovernmental Agreements	6,570,943	4,231,000	6,162,200	6,162,199	6,058,400	13,312,500	-
612410	Governmental Service Charges	38	-	-	-	-	-	-
612430	Payments for Professional Services	-	900,000	175,000	173,974	92,500	775,000	-
612440	Preliminary Engineering Reports and Studies	-	7,599,200	6,499,200	6,450,340	5,500,000	4,800,000	-
612450	Professional Engineering Services for Construction Projects	-	1,702,700	1,242,700	926,255	1,129,000	3,843,900	-
612470	Personal Svcs for Post-Award Engr for Construction Projects	-	75,900	75,900	5,298	5,300	-	-
612490	Contractual Services, N.O.C.	2,614,635	356,400	256,400	222,263	177,000	196,400	-

501 50000	Fund: Stormwater Management Department: Stormwater Management Division:	LINE ITEM ANALYSIS						
		2015	2016				2017	
Account Number	Account Name	Expenditure	Original Appropriation	Adjusted Appropriation 09/30/16	Expenditure (Committed Budget plus Disbursement) 09/30/16	Estimated Expenditure 12/31/16	Proposed by Executive Director	Recommended by Committee on Budget and Employment
612520	Waste Material Disposal Charges	37,138	55,000	55,000	55,000	55,000	70,000	-
612620	Repairs to Waterway Facilities	2,246,517	2,500,000	2,310,000	2,308,718	2,124,100	2,415,000	-
612990	Repairs, N.O.C.	96	6,000	6,000	1,668	1,500	6,000	-
200	TOTAL CONTRACTUAL SERVICES	11,508,793	17,512,600	16,868,800	16,369,297	15,201,600	25,498,300	-
623130	Buildings, Grounds, Paving Materials, and Supplies	-	5,000	5,000	5,000	5,000	5,000	-
623520	Office, Printing, and Photo Supplies, Equipment, and Furniture	409	11,500	11,500	9,743	10,500	11,500	-
623560	Processing Chemicals	1,115	5,000	5,000	5,000	5,000	5,000	-
623680	Tools and Supplies	1,087	11,000	11,000	6,875	10,000	11,000	-
623700	Wearing Apparel	1,077	2,000	2,000	2,000	2,000	2,000	-
623990	Materials and Supplies, N.O.C.	1,645,960	1,240,000	4,730,000	4,483,519	4,135,700	1,240,000	-
300	TOTAL MATERIALS AND SUPPLIES	1,649,648	1,274,500	4,764,500	4,512,137	4,168,200	1,274,500	-
634790	Marine Equipment	-	100,000	100,000	-	85,000	85,000	-
400	TOTAL MACHINERY AND EQUIPMENT	-	100,000	100,000	-	85,000	85,000	-
645620	Waterway Facilities Structures	1,457,351	8,056,600	8,056,600	7,708,201	7,099,000	3,169,800	-
645690	Capital Projects, N.O.C.	-	750,000	372,800	-	-	400,000	-
645720	Preservation of Waterway Facility Structures	3,533,787	940,800	315,800	227,540	146,700	1,459,000	-
500	TOTAL CAPITAL PROJECTS	4,991,139	9,747,400	8,745,200	7,935,741	7,245,700	5,028,800	-
656010	Land	-	1,000,000	78,000	-	78,000	410,000	-
600	TOTAL LAND	-	1,000,000	78,000	-	78,000	410,000	-
667020	Equity Transfer	2,123,920	3,272,700	3,272,700	3,272,650	3,272,700	5,769,300	-
667340	Payments for Easements	190,000	1,000,000	78,000	1,710	1,800	400,000	-
700	TOTAL FIXED AND OTHER CHARGES	2,313,920	4,272,700	3,350,700	3,274,360	3,274,500	6,169,300	-
TOTAL STORMWATER MANAGEMENT		\$ 35,326,537	\$ 40,500,800	\$ 40,500,800	\$ 36,461,204	\$ 36,077,500	\$ 44,997,100	\$ -

NOTES: 1. Amounts may not add up due to rounding.
 2. Departmental appropriation totals for salaries in the Line Item Analysis may differ from those contained in the Position Analysis by a factor identified to adjust for vacancies. Additionally, Estimated Expenditure may either exceed Adjusted Appropriation when transfers of funds are anticipated or be less than Expenditure (Committed Budget plus Disbursement) when not all commitments are anticipated to be completed by year-end.
 3. Effective 01/01/2016, professional services previously included in Personal Services (accounts 601170, 601410, 601420, 601430, and 601440) were reclassified to Contractual Services (accounts 612430, 612440, 612450, 612460, and 612470 respectively).

Fund: Stormwater Management Dept: Division:		POSITION ANALYSIS				
		2015	2016		2017	
					PROPOSED BY THE EXECUTIVE DIRECTOR	
PAY PLAN & GRADE	CLASS TITLE	ACTUAL FTEs	BUDGETED FTEs	APPROPRIATION IN DOLLARS	BUDGETED FTEs	APPROPRIATION IN DOLLARS
50000	Engineering Department					
516	Local Sewer Systems Section					
HP18	Principal Civil Engineer	1	1		1	
HP17	Senior Civil Engineer	1	2		2	
HP15	Associate Civil Engineer	2	3		3	
HP14	Assistant Civil Engineer	2	2		2	
HP12	Engineering Technician IV	1	2		1	
TOTAL	Local Sewer Systems Section	7	10	955,126.12	9	926,428.10
522	Stormwater Management Section					
HP20	Managing Civil Engineer	1	1		1	
HP18	Principal Civil Engineer	3	3		3	
HP17	Senior Civil Engineer	7	7		7	
HP15	Associate Civil Engineer	5	6		6	
HP14	Assistant Civil Engineer	4	4		3	
HP11	Administrative Specialist	1	1		1	
TOTAL	Stormwater Management Section	21	22	2,432,748.76	21	2,277,978.30
TOTAL	Engineering Department	28	32	3,387,874.88	30	3,204,406.40
60000	Maintenance & Operations Department					
630	General Division					
634	Channel Maintenance Unit					
HP17	Senior Civil Engineer	1	1		1	
HP15	Associate Civil Engineer	1	1		1	
TOTAL	Channel Maintenance Unit	2	2	226,055.70	2	226,055.70
636	Boat Operations Unit					
HP14	Engineering Technician V	1	1		1	
HP14	Engineering Technician V #4	1	1		1	
HP12	Engineering Technician IV	1	1		1	
HP12	Engineering Technician IV #4	1	1		1	

Fund: Stormwater Management Dept: Division:		POSITION ANALYSIS				
		2015	2016		2017	
					PROPOSED BY THE EXECUTIVE DIRECTOR	
PAY PLAN & GRADE	CLASS TITLE	ACTUAL FTEs	BUDGETED FTEs	APPROPRIATION IN DOLLARS	BUDGETED FTEs	APPROPRIATION IN DOLLARS
NR8650	Maintenance Laborer Class A Shift	2	2		2	
TOTAL	Boat Operations Unit	6	6	540,787.78	6	545,530.18
639	Channel Maintenance Unit					
HP14	Engineering Technician V	1	1		1	
HP14	Engineering Technician V #4	1	1		1	
NR8650	Maintenance Laborer Class A Shift	2	2		2	
TOTAL	Channel Maintenance Unit	4	4	367,963.70	4	377,422.50
679	Collection System Unit					
NR8331	Laborer Foreman	1	1		1	
NR8650	Maintenance Laborer Class A Shift	4	4		4	
PR6473	Truck Driver	1	1		1	
TOTAL	Collection System Unit	6	6	475,155.20	6	488,342.40
TOTAL	General Division	18	18	1,609,962.38	18	1,637,350.78
940	Stickney Service Area General Plant Services Section					
924	Stickney Maintenance Unit					
PR7773	Pipefitter	1	1		1	
TOTAL	Stickney Maintenance Unit	1	1	97,760.00	1	98,800.00
934	Stickney Mechanical Operations Unit					
NR8650	Maintenance Laborer Class A Shift	4	4		4	
NR6831	Operating Engineer I	4	4		4	
TOTAL	Stickney Mechanical Operations Unit	8	8	701,376.00	8	722,425.60
TOTAL	Stickney Service Area General Plant Services Section	9	9	799,136.00	9	821,225.60
TOTAL	Maintenance & Operations Department	27	27	2,409,098.38	27	2,458,576.38
TOTAL	Stormwater Management	55	59	5,796,973.26	57	5,662,982.78
Note: The positions budgeted are funded by the Stormwater Management Fund, while the operations remain in the Engineering and Maintenance & Operations Departments.						
NOTE: Departmental appropriation totals for salaries in the Position Analysis differ from those contained in the Line Item Analysis by a factor identified to adjust for vacancies. Salary ranges corresponding to the pay plan and grade for each class title can be found in the table of Salary Schedules in the Appendix.						

SECTION VII

OTHER FUNDS

Other funds included in the annual District Budget are: the Reserve Claim Fund, Bond Redemption & Interest Fund, Retirement Fund, Corporate Working Cash Fund, Construction Working Cash Fund, and Stormwater Working Cash Fund.

The Reserve Claim Fund is used to accumulate resources for the payment of claims and judgments against the District, as well as for emergency repair or replacement of District facilities. A narrative description of the purpose and operation of this fund is contained in this section along with an appropriation schedule. A tax levy ordinance for this fund is presented in Section VIII of this Budget.

The Bond Redemption & Interest Fund is used to accumulate the proceeds from property taxes and investment income, which are set aside to pay the principal and interest on the outstanding bond issues of the District. These funds are segregated and accounted for by each bond issue. A narrative description of this fund and an appropriation schedule, detailing payment of principal and interest during 2017, are included in this section. A tax levy ordinance for the principal and interest due in 2018 and 2019 from the Bond Redemption & Interest Fund is included in Section VIII of this Budget. Statements of Outstanding Bonds and Estimated Statutory Debt Margin, with a graphic illustration of past, current, and estimated future debt service, are included in the Budgetary and Financial Summaries section, pages 50 and 51.

The Retirement Fund is the pension plan for District employees, accounted for in a trust fund the Illinois Compiled Statutes established as a legal entity separate and distinct from the District. This section contains an appropriation of taxes the District received on behalf of the Retirement Fund. A tax levy ordinance for this fund is presented in Section VIII of this Budget.

The District utilizes Corporate, Construction, and Stormwater Working Cash Funds, as authorized by Illinois Compiled Statutes, to make temporary loans to the Corporate, Construction, and Stormwater Funds. Loans are repaid to the Working Cash Funds from the tax levies of the funds. The use of Working Cash Funds eliminates the need to issue short-term financing. There will be no tax levies for the Corporate, Construction, or Stormwater Working Cash Funds in 2017.

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RESERVE CLAIM FUND

Description of Fund, Purpose, and Operation

The Reserve Claim Fund is the District’s self-insurance fund. It is maintained at an appropriation level adequate to meet potential liabilities. The fund is capable of providing coverage for those risks that can be expected to be encountered and is able to pay such claims without exposing the agency to financial risk that could curtail normal operations of protecting the public health, safety, and welfare.

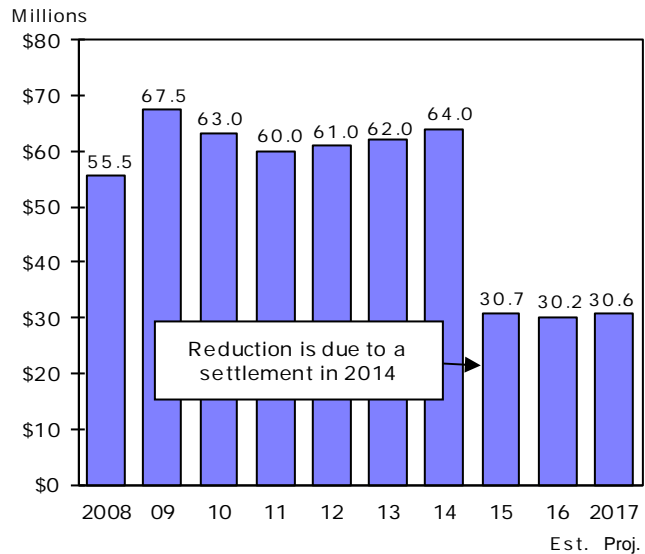
A property tax levy limited by law at 0.5 cents per \$100 of equalized assessed valuation (EAV) provides funds for this purpose. The accumulation of funds, per Illinois State Statute, is not to exceed .05 percent of the EAV, or approximately \$65.2 million. Resources are accumulated in this fund to the extent that revenue from the annual tax levy, personal property replacement tax, and investment income on the fund balance is reduced by the payment of claims.

The policy, set by the Board of Commissioners, is to accumulate a reserve fund balance towards the statutory limit and to levy at the statutory tax rate limit; however, due to the downturn in the economy, only a portion of the tax rate limit will be levied. This policy is similar in function to insurance company reserves. The estimated 2016 year-end fund balance is \$24.8 million and the projection for 2017 is \$25.6 million.

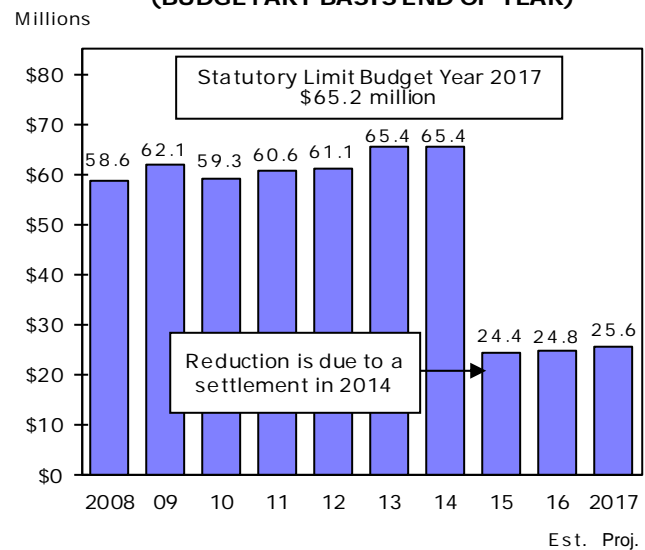
The appropriation for the Reserve Claim Fund is not designed to be spent during any one budget year. The available fund balance plus new revenue to be received must be appropriated each year to authorize the District to fund emergencies and to settle large claims or lawsuits. Designation is also provided for accounts payable and other contingent liabilities. For 2017, accounts payable and other liabilities are estimated at \$0.4 million. The designation for liabilities is reviewed and adjusted on an annual basis.

The fund is appropriated in two line items, Account 601090 (Employee Claims) and Account 667220 (General Claims and Emergency Repair and Replacement Costs). Account 601090 is for the payment of workers' compensation and other District employee claims, while Account 667220 is used to pay general claims or judgments against the District, as well as emergency repairs or replacements of District facilities. District staff makes considerable efforts to control claim expenditures by implementing aggressive safety training programs and returning employees to work as soon as possible.

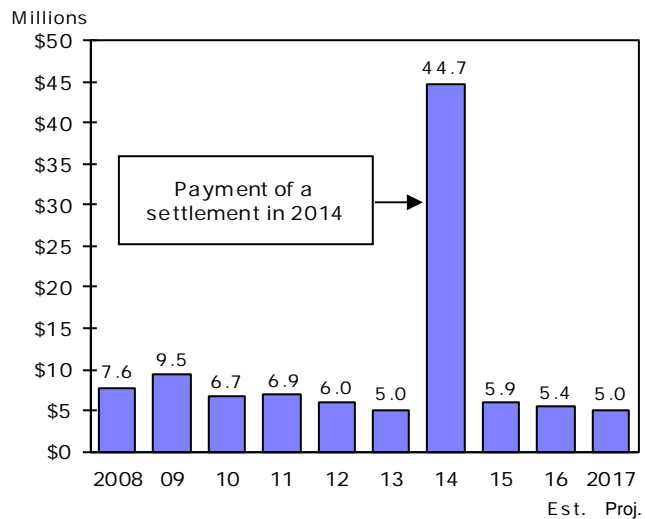
RESERVE CLAIM FUND APPROPRIATIONS



RESERVE CLAIM FUND BALANCE (BUDGETARY BASIS END OF YEAR)



RESERVE CLAIM FUND EXPENDITURES



901	Fund: Reserve Claim Department: Division:	LINE ITEM ANALYSIS						
		2015	2016				2017	
Account Number	Account Name	Expenditure	Original Appropriation	Adjusted Appropriation 09/30/16	Expenditure (Committed Budget plus Disbursement) 09/30/16	Estimated Expenditure 12/31/16	Proposed by Executive Director	Recommended by Committee on Budget and Employment
601090	Employee Claims	\$ 4,099,743	\$ 8,000,000	\$ 8,000,000	\$ 2,761,662	\$ 4,225,000	\$ 8,000,000	\$ -
100	TOTAL PERSONAL SERVICES	4,099,743	8,000,000	8,000,000	2,761,662	4,225,000	8,000,000	-
667220	General Claims and Emerg Repair and Replacement Costs	1,790,668	22,175,900	22,175,900	209,572	1,173,200	22,617,100	-
700	TOTAL FIXED AND OTHER CHARGES	1,790,668	22,175,900	22,175,900	209,572	1,173,200	22,617,100	-
TOTAL RESERVE CLAIM FUND		\$ 5,890,411	\$ 30,175,900	\$ 30,175,900	\$ 2,971,235	\$ 5,398,200	\$ 30,617,100	\$ -

NOTES: 1. Amounts may not add up due to rounding.
 2. Public Act 098-0069 signed into law by the Governor on July 15, 2013, amends the District Act to expand the type of claims payable from the Reserve Claim Fund, as well as the legal costs in defense of such claims, and lastly, removes the \$10,000 threshold for repairs to the District's facilities in the event of fire or emergency.

BOND REDEMPTION & INTEREST FUND

Description of Fund, Purpose, and Operation

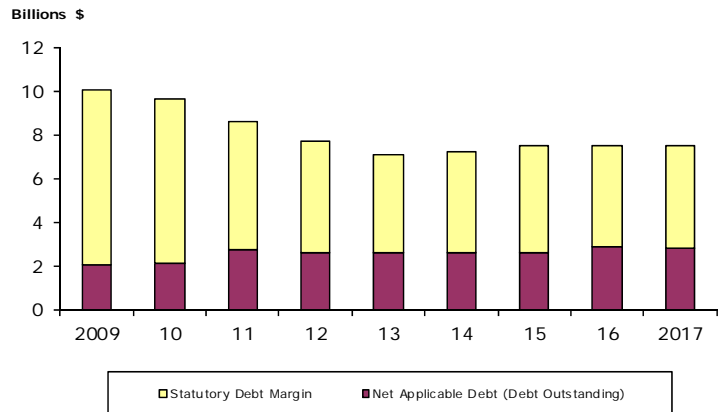
The District's Bond Redemption & Interest Fund is a debt service fund established to account for annual property tax levies and certain other revenues, principally interest on investments, which are used for the payment of interest and redemption of general obligation bond issues. Sub-funds are established for each debt issue.

Debt Limits, Margins, and Borrowing Authority

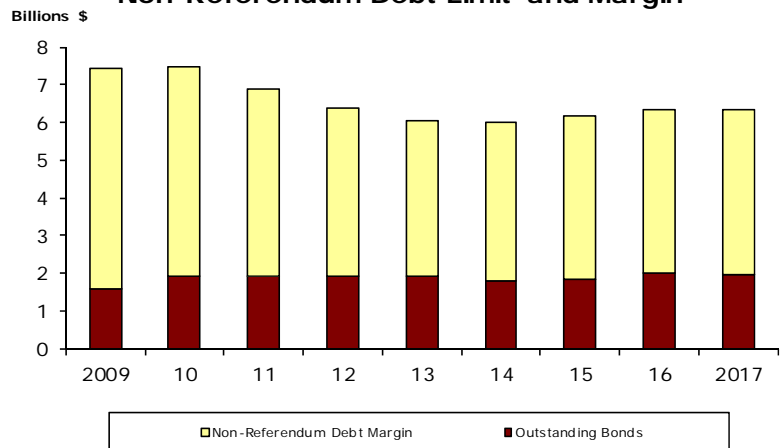
Applicable Illinois Statutes establish the following limitations relative to the District:

- General Obligation Notes may be issued at an amount not to exceed 85 percent of the current General Corporate Fund tax levy.
- The District may fund up to 100 percent of the aggregate total of the estimated amount of taxes levied or to be levied for corporate purposes plus the General Corporate Fund portion of the personal property replacement tax allocation certified for distribution during the budget year, through borrowing from the Corporate Working Cash Fund and the issuance of tax anticipation notes or warrants.
- The District's debt may not exceed 5.75 percent of the last published equalized assessed valuation (EAV) of taxable real property (\$130.3 billion for 2015) within the District boundary. On December 31, 2016, the District's statutory debt limit is estimated at \$7.5 billion, with a net applicable debt of \$2.8 billion and an estimated statutory debt margin of \$4.7 billion.
- The amount of non-referendum Capital Improvements Bonds which may be outstanding may not exceed 3.35 percent of the last-known EAV of taxable real property within the District boundary. On December 31, 2016, it is estimated that the District's outstanding capital improvement and refunding bonds will total \$2.0 billion with a non-referendum statutory debt limit of \$4.4 billion and a non-referendum bonded debt margin of \$2.4 billion.
- The Illinois Compiled Statutes provide authorization for the funding of the District's Capital Improvement Program by the issuance of non-referendum Capital Improvements Bonds through the year 2024, as extended, effective January 1, 2011. Bonds may be issued during any one budget year in an amount not to exceed \$150 million plus the amounts of any bonds authorized and unissued during the three preceding budget years. This amount was increased from \$100 million during 2003 as the result of Public Act 93-279. The extension of non-referendum bonding authority is a significant change that accommodates funding of the capital program as planned. Build America Bonds were issued in the amount of \$600 million in August 2009, and were exempted from the non-referendum authority by statute.
- This non-referendum authority had been significantly impacted by enactment of the Tax Cap laws, Public Acts 89-1 and 89-385. Public Act 89-1 restricted the District's non-referendum authority to only apply to projects initiated prior to October 1, 1991. There was a specific exception, essentially to exclude debt for the TARP project, to the more restrictive provisions of the Act which require referendum approval of all new debt. A subsequent law, Public Act 89-385, provides additional non-referendum authority to the District by authorizing the issuance of limited bonds that allow the District to issue non-referendum debt for projects initiated after October 1, 1991. Limited bonds can be issued to the extent that the total debt service requirements of any new debt, when combined with existing debt service, does not exceed the debt service extension base established by the Act. The debt service extension limitation for the District, related to the 2016 tax year, is \$159.3 million.

Net Debt and Statutory Debt Margin



Non-Referendum Debt Limit and Margin



BOND REDEMPTION & INTEREST FUND

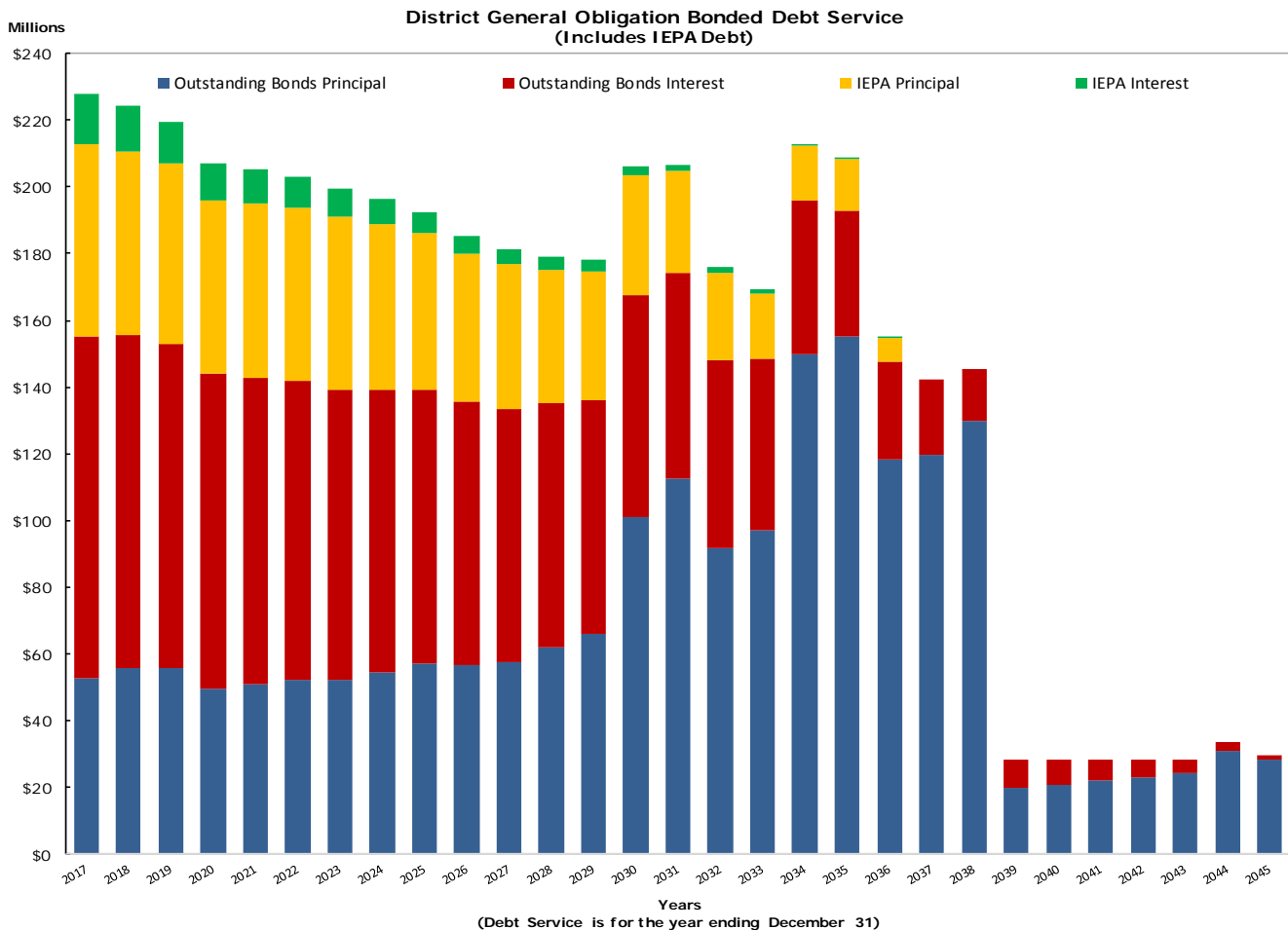
Description of Fund, Purpose, and Operation (continued)

- Additional legislation was passed in 1997 to expand the “limited bond” authority for the District. Public Act 90-485 excludes debt associated with the TARP program from the limitations imposed by prior Tax Cap legislation. Public Act 96-0501 allows for an annual increase in this debt service extension limitation base by the lesser of five percent or the percentage increase in the CPI beginning with the 2009 levy.
- The amount of non-referendum Corporate Working Cash Bonds which, when added to a) proceeds from the sale of working cash bonds previously issued, b) any amounts collected from the Corporate Working Cash Fund levy, and c) amounts transferred from the Construction Working Cash Funds, may not exceed 90 percent of the amount produced by multiplying the maximum general corporate tax rate (41 cents per \$100 of EAV) permitted by the last known EAV of all property within the District boundary (\$130.3 billion for 2015) at the time the bonds are issued, plus 90 percent of the last-known entitlement of the Personal Property Replacement Tax.

Current and Future Bond Debt Service

The exhibit below reflects the current debt service obligation of the District. Bond sale proceeds provide partial financing for the ongoing new construction and rehabilitation program of the District. As current State Revolving Fund loans are converted to bonds, additional annual debt service will be added. These amounts will be in the range of \$4 to \$6 million per year.

The debt for future bond sales is not included in this exhibit. Future bond sales are based on estimated cash flow requirements of the Capital Improvements Bond Fund new construction and rehabilitation program. The estimates for total debt service assuming future bond sales are included in the Five-Year Financial Forecast in Section II, Budget and Financial Summaries, Schedules, and Exhibits, of this budget document.



BOND REDEMPTION & INTEREST FUND**Appropriation for Payment of Outstanding Bonds During the Year 2017**

BOND ISSUE	RATES OF INTEREST	JANUARY 1, 2017		JULY 1, 2017		TOTAL PAYABLE
		INTEREST PAYABLE	PRINCIPAL PAYABLE	INTEREST PAYABLE	PRINCIPAL PAYABLE	
Capital Improvements Bonds - Series:						
July 2016 QECB	5.0	\$ 80,000 (1)	\$ -	\$ 80,000 (2)	\$ - (2)	\$ 160,000
August 2009 Limited Tax	5.72	17,160,000 (1)	-	17,160,000 (2)	- (2)	34,320,000
July 2011 Limited Tax Series B	5.0	6,703,922 (1)	-	6,703,922 (2)	6,115,000 (2)	19,522,844
July 2011 Unlimited Tax Series C	3.0 to 5.0	1,200,366 (1)	-	1,200,366 (2)	4,955,000 (2)	7,355,732
2014 Unlimited Tax Series A	5.0	2,500,000 (1)	-	2,500,000 (2)	- (2)	5,000,000
2014 Alt Rev Tax Unltd Series B	2.0 to 5.0	1,167,125 (1)	-	1,167,125 (2)	935,000 (2)	3,269,250
2014 Limited Tax Series C	2.0 to 5.0	1,846,000 (1)	-	1,846,000 (2)	11,305,000 (2)	14,997,000
2016 Alt Rev Tax Unltd Series E	5.0	1,250,000 (1)	-	1,250,000 (2)	- (2)	2,500,000
2016 Unlimited Tax Series C	5.0	750,000 (1)	-	750,000 (2)	(2)	1,500,000
2016 Limited Tax Series D	5.0	500,000 (1)	-	500,000 (2)	(2)	1,000,000
State Revolving Fund Bonds - Series:						
94R SRF L 170820	2.50	-	-	31,348	1,668,400	1,699,748
92T SRF L 170876	2.50	-	-	7,582	606,539	614,121
92U SRF L 170877	2.50	-	-	25,492	1,356,719	1,382,211
94V SRF L 171150	2.50	-	-	91,744	2,065,463	2,157,207
97AA SRF L 170822	2.506	-	-	215,985	3,047,795	3,263,780
97BB SRF L 171151	2.535	-	-	59,050	596,170	655,220
97CC SRF L 172031	2.535	-	-	295,002	2,086,699	2,381,701
97DD SRF L 171152	2.905	-	-	183,785	855,264	1,039,049
01A SRF L 172126	2.57	-	-	641,613	3,155,059	3,796,672
01B SRF L 172127	2.50	-	-	714,413	3,140,737	3,855,150
01C SRF L 172128	2.50	-	-	696,866	2,697,423	3,394,289
04A SRF L 172485	2.50	-	-	370,059	1,208,849	1,578,908
04B SRF L 172488	2.50	-	-	432,301	1,412,171	1,844,472
04C SRF L 172493	2.50	-	-	38,813	133,837	172,650
04D SRF L 172494	2.50	-	-	37,221	128,347	165,568
04E SRF L 172495	2.50	-	-	126,128	391,153	517,281
04F SRF L 172496	0.00	-	-	-	198,735	198,735
04G SRF L 172611	2.50	-	-	60,466	208,504	268,970
04H SRF L 172849	2.50	-	-	928,170	2,609,273	3,537,443
07A SRF L 172625	2.50	-	-	777,071	1,993,386	2,770,457
07B SRF L 172850	2.50	-	-	535,409	1,314,864	1,850,273
07C SRF L 172770	0.00	-	-	-	3,333,334	3,333,334
07D SRF L 172763	2.50	-	-	177,242	454,670	631,912
09A SRF L173074	1.25	-	-	477,380	2,201,528	2,678,908
09B SRF L 173064	0.00	-	-	-	382,890	382,890
09C SRF L 173063	0.00	-	-	-	111,958	111,958
09D SRF L174588	2.30	-	-	833,671	1,790,853	2,624,524
09E SRF L 173005	1.25	-	-	381,636	1,897,360	2,278,996
09F SRF L 174557	1.25	-	-	648,762	2,995,529	3,644,291
09G SRF L173075	1.25	-	-	315,478	1,405,587	1,721,065
09H SRF L 173800	0.00	-	-	-	36,793	36,793
09I SRF L 174675	1.25	-	-	102,687	528,475	631,162
12A SRF L 174710	2.295	-	-	155,632	322,664	478,296
12B SRF L 174712	2.295	-	-	133,287	276,337	409,624
12C SRF L 174621	1.995	-	-	211,619	454,711	666,330
12D SRF L 174988	1.930	-	-	606,551	1,399,149	2,005,700
12E SRF L 174709	1.930	-	-	104,108	247,987	352,095

(1) Interest Payable June 1, 2017.

(2) Interest and Principal Payable December 1, 2017.

BOND REDEMPTION & INTEREST FUND**Appropriation for Payment of Outstanding Bonds During the Year 2017 (continued)**

BOND ISSUE	RATES OF INTEREST	JANUARY 1, 2016		JULY 1, 2016		TOTAL PAYABLE
		INTEREST PAYABLE	PRINCIPAL PAYABLE	INTEREST PAYABLE	PRINCIPAL PAYABLE	
State Revolving Fund Bonds - Series:						
12F SRF L 174989	1.930	-	-	1,049,960	2,421,975	3,471,935
12H SRF L 174924	1.930	-	-	523,768	1,208,192	1,731,960
12I SRF L 175222	2.210	-	-	75,142	138,250	213,392
12J SRF L 175172	1.995	-	-	51,028	116,879	167,907
12K SRF L 174925	1.995	-	-	234,553	520,166	754,719
12L SRF L 175161	2.210	-	-	658,169	1,210,936	1,869,105
12N SRF L 175164	1.995	-	-	48,571	104,366	152,937
12O SRF L 175166	1.995	-	-	88,157	195,504	283,661
14A SRF L 173076	2.210	-	-	1,586,538	2,919,002	4,505,540
14B SRF L 175171	2.210	-	-	50,515	95,918	146,433
14J SRF L 175219	2.210	-	-	26,861	51,003	77,864
Refunding Bonds - Series:						
March 2007 Unlimited Series A	4.0 to 5.0	3,219,875 (1)	-	3,219,875 (2)	17,955,000 (2)	24,394,750
March 2007 Unlimited Series B	4.0 to 5.0	2,410,932 (1)	-	2,410,931 (2)	- (2)	4,821,863
March 2007 Limited Series C	4.0 to 5.0	2,673,825 (1)	-	2,673,825 (2)	- (2)	5,347,650
2014 Limited Tax Series D	2.0 to 5.0	1,763,375 (1)	-	1,763,375 (2)	11,425,000 (2)	14,951,750
2016 Unlimited Tax Series A	5.0	7,023,250 (1)	-	7,023,250 (2)	- (2)	14,046,500
2016 Limited Tax Series B	5.0	1,033,250 (1)	-	1,033,250 (2)	- (2)	2,066,500
TOTAL		\$ 51,281,920	\$ -	\$ 66,091,752	\$ 110,387,403	\$ 227,761,075

(1) Interest Payable June 1, 2017.

(2) Interest and Principal Payable December 1, 2017.

RETIREMENT FUND

Description of Fund, Purpose, and Operation

The Metropolitan Water Reclamation District Retirement Fund (Fund) is a defined benefit public employee retirement system that provides retirement, death, and disability benefits to the employees of the Metropolitan Water Reclamation District of Greater Chicago according to Chapter 40, Act 5, Articles 1, 13, and 20 of the Illinois Compiled Statutes.

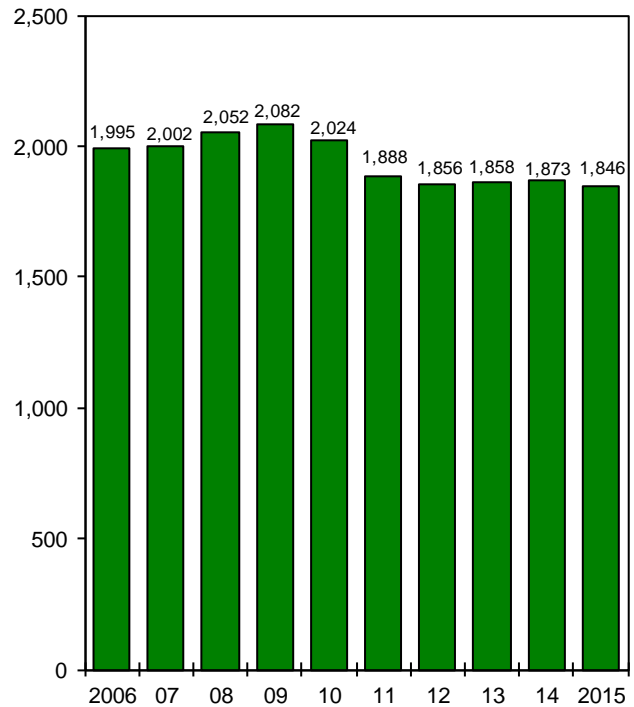
On August 3, 2012, the Governor signed Public Act 97-0894, which increased required employee contributions one percent per year for three years beginning in 2013 for employees who first became a member of the Fund or certain reciprocal systems before January 1, 2011. The employee contribution rate will be reduced to nine percent when the funded ratio reaches 90 percent. This bill also changes the manner in which the District calculates the annual tax levy. Beginning in 2013, the tax levy will be based on the Fund’s actuarially determined contribution requirement but shall not exceed an amount equal to employee contributions two years prior multiplied by 4.19.

As of December 31, 2015, there were 1,846 active (contributing) participants in the Fund and 2,389 beneficiaries. Annuitants accounted for 2,359 of these beneficiaries, including 1,760 retired employees, 580 surviving spouses, and 19 children. Additionally, the Fund paid disability benefits to 30 District employees.

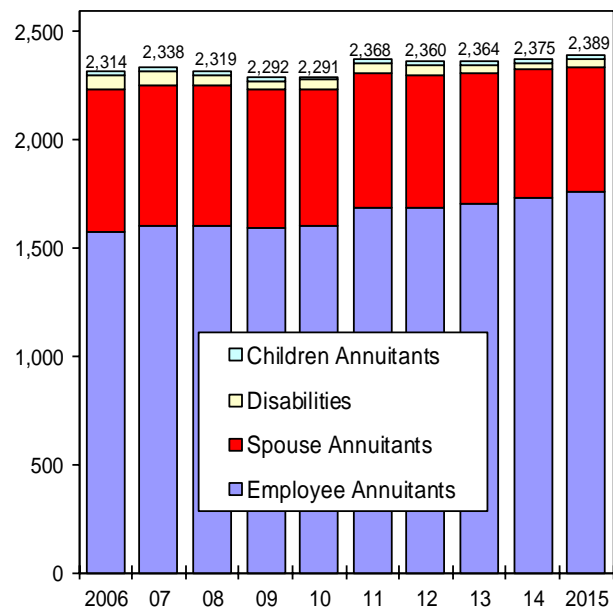
Gross income for the Fund is composed of the following items:

- **Employee contributions** – beginning in 2015, employees hired prior to January 1, 2011 contribute 12 percent of salary to the Fund. Employees hired on or after January 1, 2011 contribute nine percent of salary to the Fund since they are entitled to reduced benefits under the new provisions which include a higher retirement age and a longer final average salary period.
- **Employer contributions** - include real estate property tax levies and the Personal Property Replacement Tax. In 2016, the District shall annually levy a tax which will produce a sum that will be sufficient to meet the Fund’s actuarially determined contribution requirement but shall not exceed an amount equal to the employee contributions two years prior multiplied by 4.19. The tax levy calculation is defined under the Illinois Compiled Statutes and is only changed upon recommendation by the Trustees of the Fund based on Fund requirements and approval by the Illinois State Legislature.
- **Investment income** - includes dividends and interest, as well as realized and unrealized appreciation (depreciation) in the fair value of the investments.

Active Participants



Beneficiaries



Gross income for 2015 was \$96.5 million, which is a combination of employee and employer contributions of \$92.4 million, investment income of \$3.5 million, securities lending income of \$565,000, and other income of \$29,000; reflecting an income of \$83.8 million less than in 2014. Total investment income in 2015 was lower than the prior year primarily due to lower returns in the U.S. and non-U.S. equity markets as well as fixed income markets during 2015.

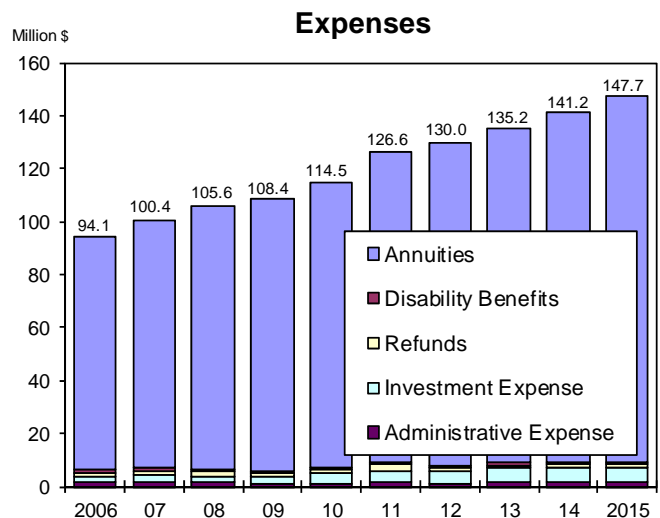
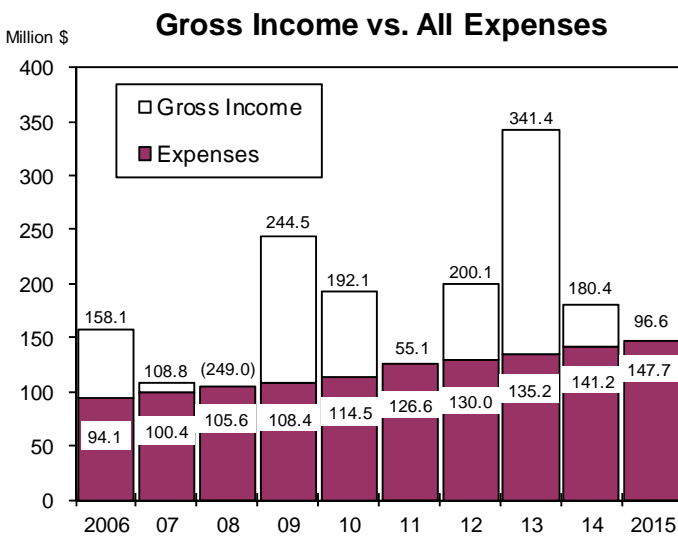
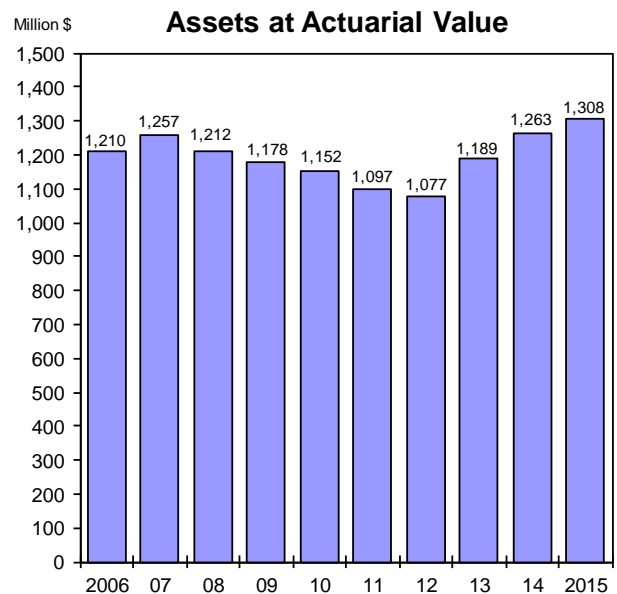
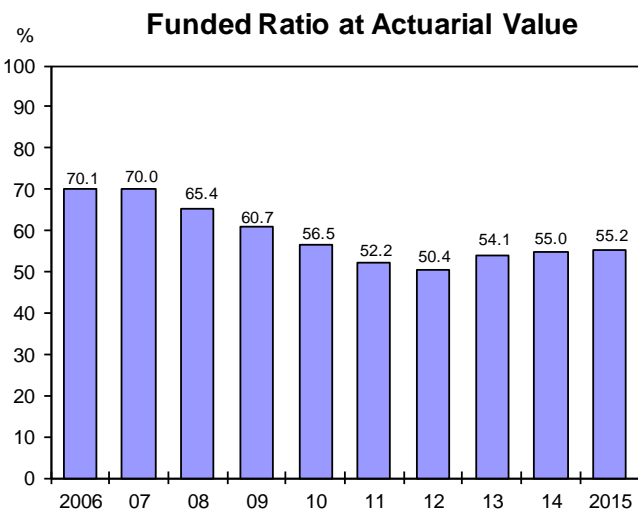
RETIREMENT FUND

Description of Fund, Purpose, and Operation (continued)

Expenses for 2015 include annuity and disability benefit payments of \$139.2 million, investment management expenses of \$5.5 million, administrative expenses of \$1.7 million, and refunds of \$1.3 million for a total of \$147.7 million.

As of December 31, 2015, the funded ratio of the Fund was 55.2 percent. Beginning in 1997, Fund assets and this ratio are reported at the new Actuarial Asset Value required by the Governmental Accounting Standards Board. The funded ratio has been in the range of 50.4 percent to 70.1 percent during the last ten years. The District’s Board of Commissioners adopted a Funding Policy recommended by the Retirement Fund Board of Trustees to ensure the long-term financial health of the pension program while balancing the interests of the employees, retirees, taxpayers, and the District. The funding policy establishes maximum contribution amounts equal to the maximum contribution allowed by Statute and minimum contribution levels that are intended to exceed the minimum contribution required by Statute. The funding goal of the policy is to contribute annually to the Fund an amount that over time will increase the funded ratio to 100 percent by the year 2050. The Policy was adopted by the Board of Commissioners on October 2, 2014.

For the 2017 Budget, the gross levy totals \$73.4 million, an increase of \$8.2 million, or 12.7 percent, above the 2016 adjusted levy. The 2017 appropriation is \$79.5 million, an increase of \$8.7 million, or 12.3 percent, above the 2016 Adjusted Budget.



APPROPRIATION ORDINANCE NUMBER O16-011
(CONTINUED)

THE METROPOLITAN WATER RECLAMATION DISTRICT RETIREMENT FUND

And an amount of Estimated Expenditures for the Purpose of the Metropolitan Water Reclamation District Retirement Fund of \$79,505,000.

Section 9. That the appropriation herein of the amounts for the payment of “unpaid bills” or “contractual liabilities,” or to defray the expense of any project or purpose, shall not be construed as an approval or an admission of liability by the Board of Commissioners of any said bills or contractual liabilities, or of any project or purpose mentioned herein but shall be regarded only as the provision of a fund or funds, for the payment thereof when

said bills or contractual liabilities have been found to be valid and legal obligations against the Metropolitan Water Reclamation District of Greater Chicago and when properly vouchered and audited by the Department of Finance, or when any project or purpose is approved and authorized by the Board of Commissioners of the Metropolitan Water Reclamation District of Greater Chicago, as the case may be.

Section 10. This ordinance shall take effect January 1, 2017.

Approved as to Form and Legality:

Approved:

Head Assistant Attorney

*President,
Board of Commissioners of the
Metropolitan Water Reclamation District
of Greater Chicago*

General Counsel

NOTE PAGE

SECTION VIII

TAX LEVY ORDINANCES

The Tax Levy Ordinances are the means by which tax levies, enacted by the Board of Commissioners under authority of the Illinois Compiled Statutes, are given legal effect.

Each tax levy states the revenue which is to be raised, through the collection of property taxes, to finance the operations of a specific fund. The gross tax levy, which allows for loss in collection, is presented with the amount of estimated loss, where applicable. A factor of 3.5 percent for loss in collection is used for 2017 levies.

This section includes 2017 Tax Levy Ordinances for the Retirement Fund, Corporate Fund, Construction Fund, Reserve Claim Fund, and Stormwater Management Fund. A Tax Levy Ordinance, to pay the interest on outstanding bonds and to discharge the principal thereof, along with a detailed schedule of the 2017 Tax Levy for Payment of Outstanding Bonds, can also be found in this section.

Retirement Fund and Corporate Fund	533
Construction Fund	534
Bond Redemption & Interest Fund:	
Tax Levy Ordinance for Outstanding Bonds	535
Tax Levy for Payment of Outstanding Bonds, 2017	537
Reserve Claim Fund	539
Stormwater Management Fund	540

ORDINANCE NUMBER O16-012

**FOR THE LEVY OF TAXES FOR THE FISCAL YEAR
BEGINNING JANUARY 1, 2017 AND ENDING DECEMBER 31, 2017
UPON ALL TAXABLE PROPERTY WITHIN THE TERRITORIAL LIMITS OF THE
METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO
AS SAID TERRITORIAL LIMITS EXIST ON JANUARY 1, 2017
FOR THE PURPOSE OF PROVIDING REVENUES FOR
THE METROPOLITAN WATER RECLAMATION DISTRICT
RETIREMENT FUND AND CORPORATE FUND**

BE IT ORDAINED by the Board of Commissioners of the Metropolitan Water Reclamation District of Greater Chicago:

Section 1. That there be and is hereby levied upon all taxable property within the territorial limits of the Metropolitan Water Reclamation District of Greater Chicago, as said territorial limits exist on January 1, 2017, for the fiscal year ending December 31, 2017, the amounts of money hereinafter stated as follows:

For the amount certified to the Board of Commissioners of the Metropolitan Water Reclamation District of Greater Chicago by the Retirement Board of the Metropolitan Water Reclamation District Retirement Fund for the purpose of providing the revenue for the Retirement Fund of the Metropolitan Water Reclamation District pursuant to Article 13 of the Illinois Pension Code, the sum of \$73,438,135 which includes the sum of \$2,570,335 as a reserve for loss in collection of taxes, distributed as

Contributions for Service Retirement Allowances and Spouses’ Allowances	\$13,374,159
Contributions for Ordinary Disability Benefits	806,308
Contributions for Duty Disability Benefits	308,984
Contributions for Expense of Administration	1,499,923
Contributions for Children’s Annuities	95,072
Contributions for Current and Past Service Requirements.....	<u>57,353,689</u>
	<u>\$73,438,135</u>

For Corporate Purposes of the said Metropolitan Water Reclamation District of Greater Chicago “the sum of \$223,946,065 which includes the sum of \$7,838,112 as a reserve for loss in the collection of taxes.”

Section 2. That the Clerk of the Metropolitan Water Reclamation District of Greater Chicago be, and is hereby directed to certify to the County Clerk of Cook County, the several amounts above set forth to be raised by taxation in the year 2017 and to file a certified copy of the Ordinance with the said County Clerk of Cook County and said County Clerk of Cook County aforesaid, is hereby directed to cause the aforesaid amounts of money to be extended upon and against the taxable property within the territorial limits of the Metropolitan Water Reclamation District of Greater Chicago, as said territorial limits exist on January 1, 2017, all in accordance with the laws and statutes of the State of Illinois in such case made and provided, and the Clerk of the Metropolitan Water Reclamation District of Greater Chicago is hereby directed to cause this Ordinance to be published at least once in a newspaper published within the territorial limits of the Metropolitan Water Reclamation District of Greater Chicago and to incur the necessary expenses therefor.

Section 3. This Ordinance shall take effect January 1, 2017.

Approved as to Form and Legality:

Approved:

Head Assistant Attorney

*President,
Board of Commissioners of the
Metropolitan Water Reclamation District
of Greater Chicago*

General Counsel

ORDINANCE NUMBER O16-013

**FOR THE LEVY OF TAXES FOR THE FISCAL YEAR
BEGINNING JANUARY 1, 2017 AND ENDING DECEMBER 31, 2017
UPON ALL TAXABLE PROPERTY WITHIN THE TERRITORIAL LIMITS OF THE
METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO
AS SAID TERRITORIAL LIMITS EXIST ON JANUARY 1, 2017
FOR THE PURPOSE OF PROVIDING REVENUES
FOR THE CONSTRUCTION FUND**

BE IT ORDAINED by the Board of Commissioners of the Metropolitan Water Reclamation District of Greater Chicago:

Section 1. That there be and is hereby levied upon all taxable property within the territorial limits of the Metropolitan Water Reclamation District of Greater Chicago, as said territorial limits exist on January 1, 2017 for the fiscal year ending December 31, 2017, to provide revenue for the replacement, remodeling, completion, alteration, construction, and enlargement, including alterations, enlargements and replacements which will add appreciably to the value, utility, or the useful life of sewage treatment works or flood control facilities, and additions therefor, pumping stations, tunnels, conduits and intercepting sewers connecting therewith, and outlet sewers together with the equipment and appurtenances necessary thereto, and for the acquisition of the sites and rights of way necessary thereto, and for engineering expenses for designing and supervising the construction of the works above described, "the sum of \$17,000,000 which includes the sum of \$595,000 as a reserve for loss in collection of taxes."

Section 2. That the Clerk of the Metropolitan Water Reclamation District of Greater Chicago be, and is hereby directed to certify to the County Clerk of Cook County, the amount above set forth to be raised by taxation in the year 2017 and to file a certified copy of the Ordinance with the

said County Clerk of Cook County, and said County Clerk of Cook County aforesaid, is hereby directed to cause the aforesaid amount of money to be extended upon and against the taxable property within the territorial limits of the Metropolitan Water Reclamation District of Greater Chicago, as said territorial limits exist on January 1, 2017, all in accordance with the laws and statutes of the State of Illinois in such case made and provided, and subject to reduction as provided in the text below, and the Clerk of the Metropolitan Water Reclamation District of Greater Chicago is hereby directed to cause this Ordinance to be published at least once in a newspaper published within the territorial limits of the Metropolitan Water Reclamation District of Greater Chicago and to incur the necessary expenses therefor.

Section 3. That said County Clerk of Cook County, as tax extension officer for said District, is hereby directed to *reduce this levy of taxes* by the District for the year 2017 by the amount necessary to enable said District's aggregate tax levies to comply with the Property Tax Extension Limitation Law; that is, the entire reduction in the aggregate of all tax levies for said District for the year 2017 required by said Law shall be taken against the Construction Fund levy as set forth in this Ordinance.

Section 4. This Ordinance shall take effect January 1, 2017.

Approved as to Form and Legality:

Approved:

Head Assistant Attorney

*President,
Board of Commissioners of the
Metropolitan Water Reclamation District
of Greater Chicago*

General Counsel

ORDINANCE NUMBER O16-014

**FOR THE LEVY OF TAXES FOR THE FISCAL YEAR
BEGINNING JANUARY 1, 2017 AND ENDING DECEMBER 31, 2017
TO PAY THE INTEREST ON OUTSTANDING BONDS AND TO
DISCHARGE THE PRINCIPAL THEREOF**

BE IT ORDAINED by the Board of Commissioners of the Metropolitan Water Reclamation District of Greater Chicago:

Section 1. For the purpose of creating a sinking fund to pay the principal and interest on outstanding bonds, there is hereby levied upon all taxable property within the territorial limits of the Metropolitan Water Reclamation District of Greater

Chicago, as said territorial limits exist on January 1, 2017, and all taxable property in townships or parts of townships disconnected from the Metropolitan Water Reclamation District of Greater Chicago prior to January 1, 2017, but after the issuance of any bonds, the amounts of money hereinafter stated:

Capital Improvement Bonds – Series:

August 2009 Limited Tax	08-26-09	35,564,767
July 2011 Limited Tax Series A	07-21-11	41,406,315
July 2011 Unlimited Tax Series C	07-21-11	3,981,898
Dec. 2014 Unlimited Tax Series A	01-06-15	5,181,348
Dec. 2014 Alt Rev Unltd Tax Series B	01-06-15	3,389,171
Dec. 2014 Limited Tax Series C	01-06-15	3,240,156
July 2016 Unlimited Tax Series C	07-07-16	1,554,405
July 2016 Limited Tax Series D	07-07-16	1,036,270
July 2016 Alt Rev Unltd Tax Series E	07-07-16	2,590,674
July 2016 Limited Tax QECB Series F	07-07-16	165,804

State Revolving Funds Bonds – Series:

94V SRF L171150	1,117,724
97AA SRF L170822	3,382,155
97BB SRF L171151	678,984
97CC SRF L172031	2,468,083
97DD SRF L171152	1,076,734
01A SRF L172126	3,934,375
01B SRF L172127	3,994,973
01C SRF L172128	3,517,398
04A SRF L172485	1,636,174
04B SRF L172488	1,911,370
04C SRF L172493	178,912
04D SRF L172494	171,572
04E SRF L172495	536,043
04F SRF L172496	205,943
04G SRF L172611	278,725
04H SRF L172849	1,593,205
07A SRF L172625	2,870,940
07B SRF L172850	1,917,382
07C SRF L172770	1,381,692
07D SRF L172763	654,830
09A SRF L173074	2,776,070
09B SRF L173064	396,778
09C SRF L173063	116,018
09D SRF L174558	2,719,713
09E SRF L173005	2,361,654
09F SRF L174557	1,703,927
09G SRF L173075	1,783,487
09H SRF L173800	38,127
09I SRF L174675	654,054
12A SRF L174710	495,642
12B SRF L174712	424,480
12C SRF L174621	690,496
12D SRF L174988	2,078,444
12E SRF L174709	364,865

ORDINANCE NUMBER 016-014

**FOR THE LEVY OF TAXES FOR THE FISCAL YEAR
BEGINNING JANUARY 1, 2017 AND ENDING DECEMBER 31, 2017
TO PAY THE INTEREST ON OUTSTANDING BONDS AND TO
DISCHARGE THE PRINCIPAL THEREOF
(CONTINUED)**

State Revolving Funds Bonds – Series:

12F SRF L174989	3,597,860
12G SRF L174923	1,772,021
12H SRF L174924	1,794,777
12I SRF L174559	221,131
12J SRF L175172	173,996
12K SRF L175925	782,092
12L SRF L175161	1,936,896
12M SRF L175168	709,845
12N SRF L175164	158,483
12O SRF L175166	293,949
14A SRF L173076	4,331,606
14B SRF L175171	151,744
14C SRF L174559	901,554
14D SRF L175263	689,119
14E SRF L173062	2,424,870
14G SRF L175152	1,134,715
14H SRF L175355	72,539
14I SRF L175223	673,575
14J SRF L175219	253,886
14K SRF L175366	290,155
14L SRF L175368	290,155

Refunding Bonds – Series:

March 2007 Unlimited Tax Series A	03-21-07	26,509,845
March 2007 Unlimited Tax Series B	03-21-07	4,996,749
March 2007 Limited Tax Series C	03-21-07	5,541,607
2014 Limited Tax Series D	01-06-15	9,264,767
July 2016 Unlimited Tax Series A	07-07-16	14,555,959
July 2016 Limited Tax Series B	07-07-16	<u>2,141,451</u>
		<u>\$233,887,123</u>

Section 2. That the Clerk of the Metropolitan Water Reclamation District of Greater Chicago be, and is hereby directed to certify to the County Clerk of Cook County, the several amounts above set forth to be raised by taxation in the year 2017 for the purpose of providing the funds to pay the interest on bonds and discharge the principal thereof, and to file a certified copy of this Ordinance with said County Clerk of Cook County, and said County Clerk of Cook County is hereby directed to cause aforesaid amounts of money to be extended upon and against taxable property within the territorial limits of the Metropolitan Water Reclamation District of Greater Chicago as said territorial limits exist on January 1, 2017, and the County Clerk of Cook County is further directed to extend upon all taxable property in all townships or parts of townships

disconnected from the Metropolitan Water Reclamation District of Greater Chicago prior to January 1, 2017 those amounts aforesaid necessary to pay the principal and interest for any bonds issued prior to the date of disconnection, all in accordance with the laws and statutes of the State of Illinois in such case made and provided, and the Clerk of the Metropolitan Water Reclamation District of Greater Chicago is hereby directed to cause this Ordinance to be published at least once in a newspaper published within the territorial limits of the Metropolitan Water Reclamation District of Greater Chicago and to incur the necessary expenses therefor.

Section 3. This Ordinance shall take effect January 1, 2017.

Approved as to Form and Legality:

Approved:

Head Assistant Attorney

*President,
Board of Commissioners of the
Metropolitan Water Reclamation District
of Greater Chicago*

General Counsel

BOND REDEMPTION & INTEREST FUND

2017 Tax Levy for Payment of Outstanding Bonds

BOND ISSUE	ISSUE DATED	INTEREST		RESERVE FOR		GROSS LEVY
		PAYMENT DATES	INTEREST	UNCOLLECTED TAX (A)	PRINCIPAL	
Capital Improvement Bonds - Series:						
August 2009 Limited Tax	08-26-09	6/1/18- 12/1/18	\$ 34,320,000	\$ -	\$ 1,244,767	\$ 35,564,767
July 2011 Limited Tax Series A	07-21-11	6/1/18- 12/1/18	13,102,094	26,855,000	1,449,221	41,406,315
July 2011 Unlim Tax Series C	07-21-11	6/1/18- 12/1/18	2,202,532	1,640,000	139,366	3,981,898
2014 Unlim Tax Series A	01-06-15	6/1/18- 12/1/18	5,000,001	-	181,347	5,181,348
2014 Alt Rev Unlim Tax Series B	01-06-15	6/1/18- 12/1/18	2,315,550	955,000	118,621	3,389,171
2014 Limited Tax Series C	01-06-15	6/1/18- 12/1/18	3,126,751	-	113,405	3,240,156
July 2016 Unlim Tax Series C	07-07-16	6/1/18- 12/1/18	1,500,001	-	54,404	1,554,405
July 2016 Limited Tax Series D	07-07-16	6/1/18- 12/1/18	1,000,001	-	36,269	1,036,270
July 2016 Alt Rev Ultd Tx Srs E	07-07-16	6/1/18- 12/1/18	2,500,000	-	90,674	2,590,674
July 2016 Lim Tx QECCB Series F	07-07-16	6/1/18- 12/1/18	160,000	-	5,804	165,804
State Revolving Funds Bonds - Series:						
94V SRF L171150	07-01-03	7/1/18- 1/1/19	13,316	1,065,288	39,120	1,117,724
97AA SRF L170822	01-01-01	7/1/18- 1/1/19	99,976	3,163,803	118,375	3,382,155
97BB SRF L171151	07-01-04	7/1/18- 1/1/19	36,092	619,127	23,765	678,984
97CC SRF L172031	07-01-04	7/1/18- 1/1/19	214,645	2,167,055	86,383	2,468,083
97DD SRF L171152	07-01-04	7/1/18- 1/1/19	145,973	893,075	37,686	1,076,734
01A SRF L172126	07-01-04	7/1/18- 1/1/19	518,416	3,278,256	137,703	3,934,375
01B SRF L172127	07-01-05	7/1/18- 1/1/19	595,157	3,259,992	139,824	3,994,973
01C SRF L172128	06-16-06	7/1/18- 1/1/19	594,443	2,799,846	123,109	3,517,398
04A SRF L172485	05-15-08	7/1/18- 1/1/19	324,158	1,254,750	57,266	1,636,174
04B SRF L172488	05-28-08	7/1/18- 1/1/19	378,680	1,465,792	66,898	1,911,370
04C SRF L172493	03-27-07	7/1/18- 1/1/19	33,731	138,920	6,262	178,912
04D SRF L172494	01-31-07	7/1/18- 1/1/19	32,347	133,220	6,005	171,572
04E SRF L172495	05-30-08	7/1/18- 1/1/19	111,276	406,005	18,762	536,043
04F SRF L172496	04-23-11	7/1/18- 1/1/19	-	198,735	7,208	205,943
04G SRF L172611	01-31-07	7/1/18- 1/1/19	52,549	216,420	9,756	278,725
04H SRF L172849	07-01-09	7/1/18- 1/1/19	349,094	1,188,349	55,762	1,593,205
07A SRF L172625	06-17-10	7/1/18- 1/1/19	701,381	2,069,077	100,482	2,870,940
07B SRF L172850	07-01-10	7/1/18- 1/1/19	485,483	1,364,790	67,109	1,917,382
07C SRF L172770	01-01-11	7/1/18- 1/1/19	-	1,333,333	48,359	1,381,692
07D SRF L172763	06-10-10	7/1/18- 1/1/19	159,977	471,934	22,919	654,830
09A SRF L173074	07-01-13	7/1/18- 1/1/19	435,842	2,243,065	97,163	2,776,070
09B SRF L173064	06-21-11	7/1/18- 1/1/19	-	382,890	13,888	396,778
09C SRF L173063	01-15-11	7/1/18- 1/1/19	-	111,957	4,061	116,018
09D SRF L174558	07-01-13	7/1/18- 1/1/19	771,310	1,853,213	95,190	2,719,713
09E SRF L173005	08-06-11	7/1/18- 1/1/19	345,838	1,933,158	82,658	2,361,654
09F SRF L174557	07-02-16	7/1/18- 1/1/19	252,243	1,392,047	59,637	1,703,927
09G SRF L173075	07-01-13	7/1/18- 1/1/19	288,958	1,432,107	62,422	1,783,487
09H SRF L173800	04-23-11	7/1/18- 1/1/19	-	36,793	1,334	38,127
09I SRF L174675	06-21-11	7/1/18- 1/1/19	92,716	538,446	22,892	654,054
12A SRF L174710	07-01-14	7/1/18- 1/1/19	144,396	333,899	17,347	495,642
12B SRF L174712	07-01-14	7/1/18- 1/1/19	123,664	285,959	14,857	424,480
12C SRF L174621	07-01-16	7/1/18- 1/1/19	197,875	468,454	24,167	690,496
12D SRF L174988	07-01-15	7/1/18- 1/1/19	565,652	1,440,046	72,746	2,078,444
12E SRF L174709	07-01-15	7/1/18- 1/1/19	96,859	255,236	12,770	364,865
12F SRF L174989	07-01-15	7/1/18- 1/1/19	979,165	2,492,770	125,925	3,597,860
12G SRF L174923	07-01-18	7/1/18- 1/1/19	1,710,000	-	62,021	1,772,021
12H SRF L174924	07-01-15	7/1/18- 1/1/19	488,452	1,243,508	62,817	1,794,777
12I SRF L175222	07-01-16	7/1/18- 1/1/19	70,508	142,883	7,740	221,131
12J SRF L175172	07-01-15	7/1/18- 1/1/19	47,495	120,411	6,090	173,996
12K SRF L174925	07-01-15	7/1/18- 1/1/19	218,831	535,888	27,373	782,092
12L SRF L175161	07-01-16	7/1/18- 1/1/19	617,581	1,251,524	67,791	1,936,896
12M SRF L175168	07-01-18	7/1/18- 1/1/19	685,000	-	24,845	709,845

BOND REDEMPTION & INTEREST FUND

2017 Tax Levy for Payment of Outstanding Bonds (continued)

BOND ISSUE	ISSUE DATED	INTEREST PAYMENT DATES	INTEREST	PRINCIPAL	RESERVE FOR UNCOLLECTED TAX (A)	GROSS LEVY
State Revolving Funds Bonds - Series:						
12N SRF L175164	07-01-16	7/1/18- 1/1/19	45,416	107,520	5,547	158,483
12O SRF L175166	07-01-15	7/1/18- 1/1/19	82,248	201,413	10,288	293,949
14A SRF L173076	07-01-16	7/1/18- 1/1/19	4,180,000	-	151,606	4,331,606
14B SRF L175171	07-01-16	7/1/18- 1/1/19	47,300	99,133	5,311	151,744
14C SRF L174559	07-01-17	7/1/18- 1/1/19	870,000	-	31,554	901,554
14D SRF L175263	07-01-17	7/1/18- 1/1/19	665,000	-	24,119	689,119
14E SRF L173062	07-01-18	7/1/18- 1/1/19	2,340,000	-	84,870	2,424,870
14G SRF L175152	07-01-18	7/1/18- 1/1/19	1,095,000	-	39,715	1,134,715
14H SRF L175355	07-01-17	7/1/18- 1/1/19	70,000	-	2,539	72,539
14I SRF L175223	07-01-17	7/1/18- 1/1/19	650,000	-	23,575	673,575
14J SRF L175219	07-01-16	7/1/18- 1/1/19	245,000	-	8,886	253,886
14K SRF L175366	07-01-17	7/1/18- 1/1/19	280,000	-	10,155	290,155
14L SRF L175368	07-01-17	7/1/18- 1/1/19	280,000	-	10,155	290,155
Refunding Bonds - Series:						
March 2007 Unlimited Tax A	03-21-07	6/1/18- 12/1/18	5,567,000	20,015,000	927,845	26,509,845
March 2007 Unlimited Tax B	03-21-07	6/1/18- 12/1/18	4,821,863	-	174,886	4,996,749
March 2007 Limited Tax C	03-21-07	6/1/18- 12/1/18	5,347,650	-	193,957	5,541,607
2014 Limited Tax Series D	01-06-15	6/1/18- 12/1/18	2,955,500	5,985,000	324,267	9,264,767
July 2016 Unlim Tax Series A	07-07-16	6/1/18- 12/1/18	14,046,500	-	509,459	14,555,959
July 2016 Lim Tax Series B	07-07-16	6/1/18- 12/1/18	2,066,500	-	74,951	2,141,451
TOTAL			\$ 123,860,986	\$ 101,840,087	\$ 8,186,050	\$ 233,887,123

(A) Reserve at 3.5%

ORDINANCE NUMBER O16-015

**FOR THE LEVY OF TAXES FOR THE FISCAL YEAR
BEGINNING JANUARY 1, 2017 AND ENDING DECEMBER 31, 2017
UPON ALL TAXABLE PROPERTY WITHIN THE TERRITORIAL LIMITS OF
THE METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO
AS SAID TERRITORIAL LIMITS EXIST ON JANUARY 1, 2017
FOR THE PURPOSE OF PROVIDING REVENUES
FOR THE RESERVE CLAIM FUND**

BE IT ORDAINED by the Board of Commissioners of the Metropolitan Water Reclamation District of Greater Chicago:

Section 1. That there is hereby levied the sum of \$5,900,000 upon all taxable property within the territorial limits of the Metropolitan Water Reclamation District of Greater Chicago as said territorial limits exist on January 1, 2017, for the fiscal year ending December 31, 2017, for the purpose of providing revenues for establishing and maintaining a reserve fund for the payment of claims, awards, losses, judgments, liabilities, settlements, or demands, and associated attorney’s fees and costs that might be imposed on or incurred by such Metropolitan Water Reclamation District in matters including, but not limited to, the Worker’s Compensation Act or the Workmen’s Occupational Diseases Act, any claim in tort, any claim of deprivation of any constitutional or statutory right or protection, for all expenses, fees, and costs, both direct and in support of the repair or replacement of any property owned by such sanitary district which is damaged by fire, flood, explosion, vandalism or any other peril, natural or manmade.

Section 2. That the Clerk of the Metropolitan Water Reclamation District of Greater Chicago be, and is hereby directed to certify to the County Clerk of Cook County, the amount above set forth to be raised by taxation in the year 2017 and to file a certified copy of the Ordinance with the said County Clerk of Cook County and said County Clerk of Cook County aforesaid, is hereby directed to cause the aforesaid amount of money to be extended upon and against the taxable property within the territorial limits of the Metropolitan Water Reclamation District of Greater Chicago, as said territorial limits exist on January 1, 2017, all in accordance with the laws and statutes of the State of Illinois in such case made and provided, and the Clerk of the Metropolitan Water Reclamation District of Greater Chicago is hereby directed to cause this Ordinance to be published at least once in a newspaper published within the territorial limits of the Metropolitan Water Reclamation District of Greater Chicago and to incur the necessary expenses therefor.

Section 3. This Ordinance shall take effect January 1, 2017.

Approved as to Form and Legality:

Approved:

Head Assistant Attorney

*President,
Board of Commissioners of the
Metropolitan Water Reclamation District
of Greater Chicago*

General Counsel

ORDINANCE NUMBER O16-016

**FOR THE LEVY OF TAXES FOR THE FISCAL YEAR
BEGINNING JANUARY 1, 2017 AND ENDING DECEMBER 31, 2017
UPON ALL TAXABLE PROPERTY WITHIN THE TERRITORIAL LIMITS OF THE
METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO
AS SAID TERRITORIAL LIMITS EXIST ON JANUARY 1, 2017
FOR THE PURPOSE OF PROVIDING REVENUES
FOR THE STORMWATER MANAGEMENT FUND**

BE IT ORDAINED by the Board of Commissioners of the Metropolitan Water Reclamation District of Greater Chicago:

Section 1. That there be and is hereby levied upon all taxable property within the territorial limits of the Metropolitan Water Reclamation District of Greater Chicago, as said territorial limits exist on January 1, 2017, for the fiscal year ending December 31, 2017, to provide revenue for the development, design, planning and construction, operation, and maintenance of regional and local stormwater facilities provided for in the countywide stormwater management plan and the acquisition of real property in furtherance of its regional and local stormwater management activities, and for payment of principal and interest on bonds issued for stormwater projects as authorized under the District’s Act, “the sum of \$40,856,008 which includes the sum of \$1,429,960 as a reserve for loss in collection of taxes”.

Section 2. That the Clerk of the Metropolitan Water Reclamation District of Greater Chicago be, and is hereby directed to certify to the County Clerk of Cook County, the amount above set forth to be raised by taxation in the year 2017, and to file a certified copy of the Ordinance with the said County Clerk of Cook County, and said County Clerk of Cook County aforesaid, is hereby directed to cause the aforesaid amount of money to be extended upon and against the taxable property within the territorial limits of the Metropolitan Water Reclamation District of Greater Chicago, as said territorial limits exist on January 1, 2017, all in accordance with the laws and statutes of the State of Illinois in such case made and provided, and the Clerk of the Metropolitan Water Reclamation District of Greater Chicago is hereby directed to cause this Ordinance to be published at least once in a newspaper published within the territorial limits of the Metropolitan Water Reclamation District of Greater Chicago and to incur the necessary expenses therefor.

Section 3. This Ordinance shall take effect January 1, 2017.

Approved as to Form and Legality:

Approved:

Head Assistant Attorney

*President,
Board of Commissioners of the
Metropolitan Water Reclamation District
of Greater Chicago*

General Counsel

SECTION IX

APPENDIX

This section explains the structure of the District's compensation plan and financial and technical terminology contained in the District's Budget. It also details the various awards the District has received for its accomplishments over the last 43 years.

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COMPENSATION PLAN NARRATIVE

In accordance with Illinois State Statute, Chapter 70, Section 2605/4.2, a Department of Human Resources for the District is created, the executive officer of which is the Director of Human Resources. The Director shall, with the consent and approval of the Civil Service Board of the District, classify all non-exempt and non-represented positions in the District for the purpose of establishing pay grades.

For the purpose of establishing uniformity of pay and title for positions, the Director prescribes the minimum and maximum pay for each grade and title.

While maintaining internal balance as established by the relative evaluation of classes, the compensation for non-represented and non-exempt positions shall be at least equal to the median compensation provided by other employers for similar work in the Metropolitan Chicago labor market or other appropriate labor market. Compensation for non-represented positions is defined in the Salary Schedule for Technical, Administrative, and Managerial (HP) Employees.

Salary advancement within salary ranges for non-represented positions and certain exempt positions is provided to recognize growth in the job, and the rate of advance shall be based primarily upon the quality of performance. Salary advancement stages are defined as “steps” within the salary schedules for each grade of position.

Employees in positions covered by collective bargaining agreements shall be compensated on the basis of negotiations between unions representing such employees and the management of the District. The rates paid to all such employees shall be adjusted in accordance with changes caused by the duly prescribed negotiations, provided that any change in rates may be made applicable at the beginning of the next budget year following the date of change in the rate, in the event necessary funds are not available. Compensation for these positions is defined in the Salary Schedule for Labor Trades (LT) Employees.

Compensation for exempt positions is established by the Board of Commissioners, with the exception of their own compensation, which is established by Illinois Compiled Statutes. Compensation for exempt positions is defined in the Salary Schedule for Exempt (EX) Employees.

SALARY SCHEDULES (bi-weekly rates)

Exempt (EX)

EX01	\$2,884.62	EX09	\$576.92	EX17	\$8,866.70
EX02	\$2,692.31	EX10	\$8,866.70	EX18	\$4,987.54
EX03	\$6,725.03	EX11	\$9,975.04	EX19	\$8,866.70
EX04	\$2,453.51 to \$3,818.95	EX12	\$9,975.04	EX20	None
EX05	\$8,866.70	EX13	\$8,866.70	EX21	\$2,884.62
EX06	\$2,453.51 to \$3,818.95	EX14	\$9,975.04	EX22	\$3,076.92
EX07	\$11,083.43	EX15	\$9,975.04	EX23	\$3,651.91
EX08	\$8,866.70	EX16	\$673.08	EX24	\$3,651.91

Technical, Administrative, and Managerial (HP)

HP07	\$1,274.76 to \$1,856.60	HP14	\$2,638.09 to \$4,089.72	HP21	\$5,307.62 to \$7,963.82
HP08	\$1,387.39 to \$2,044.02	HP15	\$2,895.48 to \$4,410.90	HP22	\$5,858.77 to \$8,701.11
HP09	\$1,522.49 to \$2,269.05	HP16	\$3,213.38 to \$4,807.60	HP23	\$6,514.40 to \$9,476.28
HP10	\$1,702.68 to \$2,569.04	HP17	\$3,586.82 to \$5,273.60	TM01	\$1,040.00
HP11	\$1,912.96 to \$2,919.01	HP18	\$4,025.92 to \$5,821.45	TM02	\$1,400.00
HP12	\$2,168.22 to \$3,344.00	HP19	\$4,570.94 to \$6,501.51		
HP13	\$2,453.51 to \$3,818.95	HP20	\$4,840.53 to \$7,339.00		

Labor Trades (LT)

NR1541	\$3,078.60	NR6272	\$4,182.40	PR5153	\$3,628.00	PR5973	\$3,696.00	PR7573	\$3,708.00
NR1835	\$2,763.20	NR6275	\$4,608.00	PR5155	\$3,788.00	PR5975	\$3,856.00	PR7575	\$3,908.00
NR1853	\$3,119.20	NR6441	\$3,325.60	PR5159	\$3,828.00	PR5989	\$3,976.00	PR7579	\$3,988.00
NR1857	\$3,325.60	NR6810	\$3,260.80	PR5353	\$3,590.40	PR6453	\$3,928.00	PR7743	\$3,996.00
NR2483	\$3,119.20	NR6831	\$3,827.20	PR5553	\$3,564.00	PR6459	\$4,248.00	PR7773	\$3,800.00
NR3641	\$2,235.20	NR6832	\$3,965.60	PR5555	\$3,787.20	PR6473	\$2,900.00	PR7775	\$4,040.00
NR3642	\$2,445.60	NR7393	\$4,182.40	PR5753	\$3,860.00	PR6479	\$3,160.00	PR7779	\$4,200.00
NR5369	\$3,135.20	NR7394	\$4,975.20	PR5755	\$4,020.00	PR7343	\$3,688.00	PR1025	\$2,039.40 to \$3,337.20
NR6210	\$3,431.20	NR7399	\$3,389.60	PR5759	\$4,100.00	PR7347	\$4,168.00	TR3509	\$1,978.56
NR6232	\$3,603.20	NR8331	\$3,325.60	PR5933	\$3,660.00	PR7349	\$3,928.00		
NR6233	\$3,783.20	NR8650	\$3,119.20	PR5935	\$3,940.00	PR7423	\$3,912.00		
NR6251	\$4,389.60	NR8651	\$2,969.60	PR5953	\$3,442.40	PR7424	\$4,312.00		
NR6271	\$4,419.20	NR8652	\$2,070.40	PR5955	\$3,752.00	PR7425	\$4,632.00		

The Position Analysis for each Department shows the Pay Plan and Grade for each budgeted position. The Salary Schedules above display the salary ranges associated with each Pay Plan and Grade. For example, in Section 681 of the General Division of the Maintenance & Operations Department, the Principal Mechanical Engineer position is associated with the HP (Technical, Administrative, and Managerial) Pay Plan at Grade 18. By looking up HP18 in the second table above, the salary range for this or any other title at that Pay Plan and Grade is \$4,025.92 to \$5,821.45 bi-weekly. By multiplying those rates by 26, it can be determined that the annual salary range for such positions is \$104,673.92 to \$151,357.70. For the HP and some EX Pay Plans, the actual salary earned in a position is dependent on the "step" of the incumbent occupying the position. Where applicable, there are nine steps in each Pay Plan and Grade. Which step an incumbent is at is determined by a combination of the incumbent's longevity in the title and at the District. Incumbents with the greatest longevity factors will be at the highest steps, assuming satisfactory job performance.

USER CHARGE RATES

Year	Large Commercial/Industrial Users				Tax-Exempt Users			
	Flow per million gallons	BOD ₅ per 1,000 pounds	SS per 1,000 pounds	O, M&R Factor	Flow per million gallons	BOD ₅ per 1,000 pounds	SS per 1,000 pounds	Revenues in \$ millions
2017	\$ 259.61	\$ 229.13	\$ 142.47	33.9%	\$ 259.61	\$ 229.13	\$ 142.47	\$ 47.0
2016	255.02	234.95	148.33	34.4%	255.02	234.95	148.33	47.5
2015	250.51	240.49	154.08	39.1%	250.51	240.49	154.08	48.5
2014	246.08	245.75	159.72	43.5%	246.08	245.75	159.72	45.0
2013	241.73	250.76	165.25	42.4%	245.18	254.34	167.60	53.8
2012	256.48	259.22	195.95	48.6%	263.48	266.27	201.24	77.6
2011	243.99	247.48	191.18	47.3%	250.31	253.89	199.21	48.3
2010	262.44	270.68	200.33	55.7%	269.25	277.70	205.33	48.7
2009	229.37	231.90	174.25	50.4%	235.96	238.56	179.25	45.0
2008	223.72	229.23	178.11	49.9%	230.29	235.98	183.35	54.4
2007	224.87	228.39	173.01	50.4%	231.07	234.69	177.77	53.6
2006	225.80	239.79	183.41	56.8%	235.40	249.99	191.20	53.6
2005	210.91	226.64	174.33	56.8%	219.30	235.65	181.26	44.1
2004	202.39	215.86	168.16	56.9%	209.31	223.25	173.92	50.8

BOD₅ Biochemical Oxygen Demand based on standard 5-day test

SS Suspended Solids

O, M&R Portion of real estate taxes credited to users for the District's Operations, Maintenance, and Replacement costs

User charges are calculated based on sewer discharge volumes and representative sampling of the discharge for concentrations of BOD₅ and suspended solids. Loadings in thousands of pounds annually are extrapolated from the volume and concentration measurements, with the rates listed above applied. Users are given a credit for real estate taxes paid to the District multiplied by the O, M&R factor. Users owing more than \$12,000 annually pay monthly estimates.

PROPERTY TAX LEVIES AND COLLECTIONS

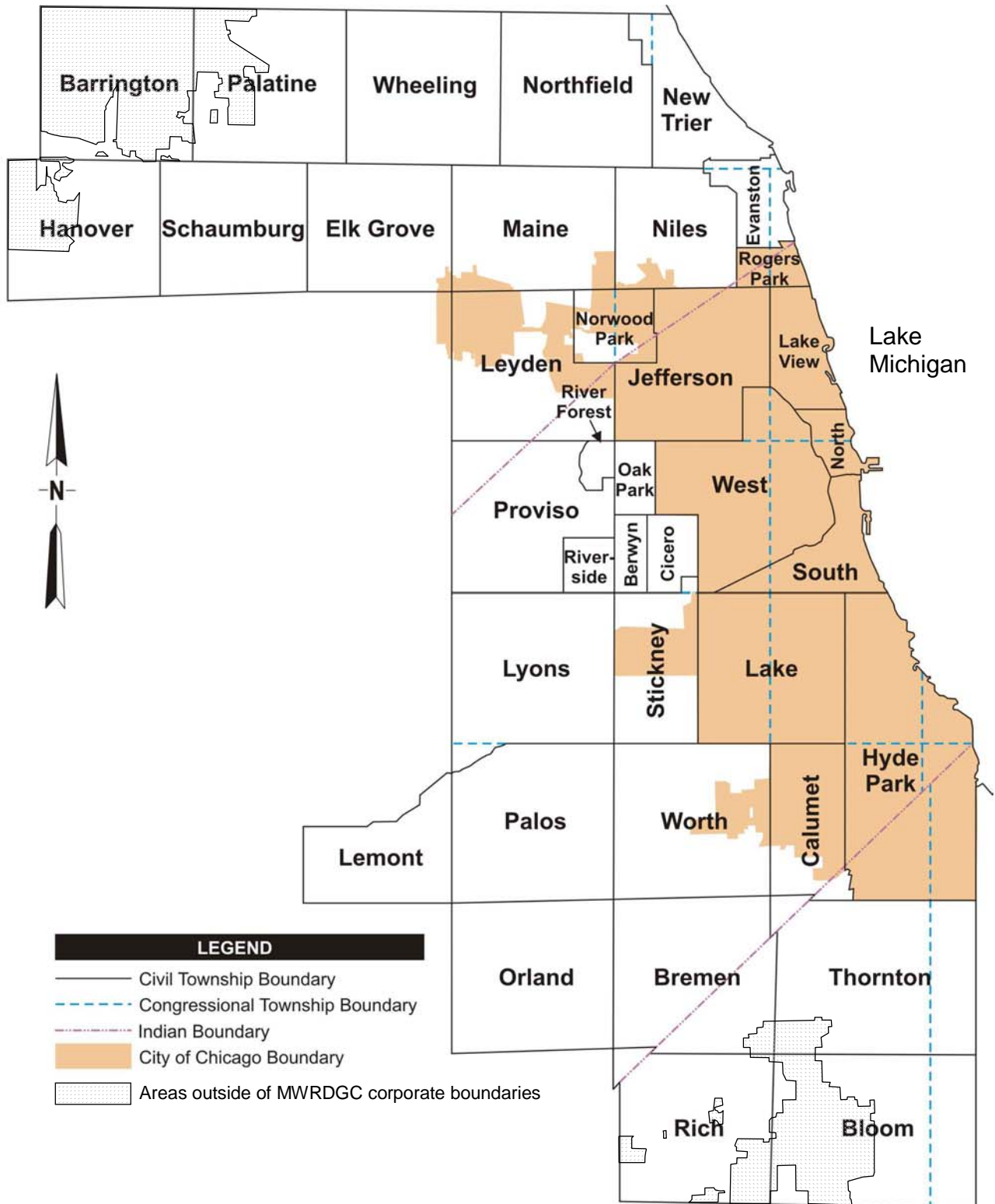
(in thousands of dollars)

Fiscal Year Ended Dec. 31	Taxes Levied for the Fiscal Year	Collected within the First Year		
		Amount	Percentage of Levy	Final Due Date
2015	\$ 560,179	-	-	08/01/16
2014	540,250	523,203	96.8	08/01/15
2013	515,590	497,452	96.5	08/01/14
2012	493,673	476,881	96.6	08/01/13
2011	476,955	460,618	96.6	08/01/12
2010	457,356	435,009	95.1	10/01/11
2009	455,361	383,612	84.2	12/13/10
2008	428,645	400,048	93.3	12/01/09
2007	410,208	390,440	95.2	11/03/08
2006	401,771	353,566	88.0	12/03/07

Note: The source for Property Tax Levies and Collection is the Comprehensive Annual Financial Report of the Metropolitan Water Reclamation District of Greater Chicago for the Year Ended December 31, 2015.

PROPERTY TAX BASE

The Metropolitan Water Reclamation District of Greater Chicago receives the majority of its income from local real estate taxes. Taxes are collected by the Cook County Treasurer based on property values established by the Cook County Assessor. North, South and City of Chicago townships are reassessed on a three-year rotation.



The underlying county township map is derived from the Illinois Secretary of State Archives:
<http://www.cyberdriveillinois.com/departments/archives/IRAD/cook.html>

PROPERTY TAX BASE

MWRDGC Equalized Assessed Valuation by Township 2010 - 2015

(in \$ millions)

Township	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>Average Annual Change</u>
Suburban							
Barrington	\$ 457	\$ 389	\$ 353	\$ 325	\$ 328	\$ 326	-4.91%
Berwyn	935	753	688	647	596	581	-7.06%
Bloom	698	551	503	474	450	440	-7.18%
Bremen	2,204	1,853	1,689	1,566	1,469	1,425	-6.76%
Calumet	244	202	184	176	177	176	-5.34%
Cicero	914	678	625	586	555	536	-7.77%
Elk Grove	4,456	3,996	3,652	3,128	3,184	3,103	-6.84%
Evanston	3,042	2,727	2,515	2,202	2,245	2,196	-6.46%
Hanover	2,018	1,808	1,647	1,406	1,426	1,379	-7.30%
Lemont	1,001	841	778	733	715	711	-5.56%
Lyden	3,193	2,891	2,655	2,331	2,332	2,409	-5.73%
Lyons	4,857	3,961	3,680	3,465	3,469	3,373	-5.57%
Maine	5,349	4,881	4,531	3,729	3,778	3,666	-6.94%
New Trier	5,507	4,947	4,595	4,151	4,201	4,075	-7.00%
Niles	5,246	4,696	4,333	3,810	3,886	3,818	-6.24%
Northfield	6,339	5,676	5,290	4,722	4,787	4,627	-6.67%
Norwood Park	1,035	929	859	726	745	727	-6.29%
Oak Park	1,851	1,597	1,470	1,369	1,383	1,334	-5.11%
Orland	3,915	3,366	3,098	2,921	2,829	2,753	-5.61%
Palatine	3,559	3,240	3,001	2,597	2,628	2,557	-6.87%
Palos	1,944	1,583	1,459	1,369	1,330	1,290	-6.23%
Proviso	3,811	3,130	2,893	2,723	2,652	2,573	-6.15%
Rich	1,531	1,241	1,138	1,044	988	962	-7.54%
River Forest	704	573	529	493	488	470	-4.66%
Riverside	700	592	541	505	489	474	-5.98%
Schaumburg	5,379	4,835	4,460	3,949	3,999	3,892	-6.96%
Stickney	1,377	1,139	1,049	972	935	914	-6.80%
Thornton	2,584	2,064	1,867	1,718	1,662	1,651	-7.32%
Wheeling	5,805	5,289	4,875	4,185	4,253	4,152	-6.80%
Worth	4,178	3,497	3,194	3,011	2,847	2,752	-6.66%
City of Chicago							
Hyde Park	4,884	4,453	3,748	3,576	3,648	3,890	-3.94%
Jefferson	14,363	13,317	11,060	10,529	10,741	11,311	-3.79%
Lake	8,593	8,122	6,488	6,227	6,364	6,684	-3.65%
Lake View	11,730	10,389	8,886	8,416	8,654	9,521	-3.62%
North Chicago	15,056	13,717	12,745	12,079	12,509	14,197	-1.63%
Rogers Park	1,984	1,750	1,391	1,299	1,318	1,376	-5.97%
South Chicago	15,001	13,717	12,616	12,050	13,277	14,559	-0.81%
West Chicago	10,478	9,658	8,317	8,188	8,398	9,427	-1.89%
Total EAV	166,918	149,048	133,398	123,400	125,736	130,305	-4.58%

Shaded figures indicate assessed values following triennial reassessments.

AWARDS AND ACHIEVEMENTS RECOGNITION

Academy of Interactive and Visual Arts	2014	<i>The Interactive Multimedia Communicator Award for "National Save for Retirement Week Campaign"</i>
American Academy of Environmental Engineers	2012	<i>Excellence in Environmental Engineering Grand Prize for the University Research for Chicago Health, Environmental Exposure, and Recreation Study (CHEERS)</i>
	2010	<i>Excellence in Environmental Engineering Honor Award in Research for the Microbial Risk Assessment for Recreational Use of the Chicago Area Waterways</i>
	1995	<i>Honor Award for the Sidestream Elevated Pool Aeration Stations</i>
	1989	<i>Grand Prize Award for Planning the Sidestream Elevated Pool Aeration Stations</i>
American Council of Engineering Companies of Illinois	2010	<i>Special Achievement Award for the Calumet Isolation Chamber</i>
American Public Works Association	2012	<i>Chicago City Branch: Project of the Year in the Environmental \$25 to \$75 Million Category for the design of the Calumet Central Boiler Facility</i>
		<i>Chicago Metro Chapter: Project of the Year in the Environmental \$25 to \$75 Million Category for the design of the Calumet Central Boiler Facility</i>
		<i>Chicago Metro Chapter: Public Works Project Excellence Award for the design of the Calumet Central Boiler Facility</i>
	2003	<i>Environmental Project of the Year, Over \$10 Million Category, for the Thornton Transitional Reservoir</i>
	2000	<i>Reversal of the Chicago River, one of the "Top Ten Public Works Projects of the Century"</i>
		<i>Tunnel and Reservoir Plan Phase I, one of the "Top Ten Chicago Area Public Works Projects of the 20th Century"</i>
		<i>Tunnel and Reservoir Plan Phase I, Member's Choice for "Most Significant Chicago Area Public Works Projects of the 20th Century"</i>
	1995	<i>The American Public Works Association Award for the District's Innovative Energy Audit and Control Program</i>
	1981	<i>Outstanding Public Works Project of the Year for the Tunnel and Reservoir Plan</i>
American Public Works Association, Chicago Metro Chapter	2016	<i>Project of the Year (Environment, More than \$75 Million) for the Thornton Composite Reservoir</i>
	2016	<i>Public Works Project Excellence Award for the Thornton Composite Reservoir</i>
American Public Works Association, National Conference	2016	<i>Project of the Year (Environment, More than \$75 Million) for the Thornton Composite Reservoir</i>
American Rivers, Incorporated	1994	<i>Scientific or Engineering Breakthrough Award for the Calumet River System Sidestream Elevated Pool Aeration Project</i>
American Society of Civil Engineers - Illinois Section	2016	<i>Project of the Year (Higher than \$25 Million) for Thornton Composite Reservoir</i>
	2003	<i>Outstanding Civil Engineering Achievement of the Year Award, Over \$5 Million Category, for the Thornton Transitional Reservoir</i>
	2000	<i>District's wastewater treatment system was recognized as representing one of civil engineering's "Monuments of the Millennium" of the 20th century</i>

AWARDS AND ACHIEVEMENTS RECOGNITION (continued)

American Society of Civil Engineers - Illinois Section (continued)	1998	<i>Outstanding Civil Engineering Achievement Award for the O'Hare-CUP Reservoir Project</i>
	1996	<i>Public Sector Employer Recognition Award</i>
	1994	<i>Outstanding Civil Engineering Achievement received for Sidestream Elevated Pool Aeration Project</i>
	1986	<i>Outstanding Civil Engineering Achievement received for Tunnel and Reservoir Plan</i>
		<i>Outstanding Civil Engineering Achievement of Past 100 Years in Illinois for the Tunnel and Reservoir Plan</i>
	1985	<i>Tunnel and Reservoir Plan Mainstream System, Phase 1, the "Outstanding Civil Engineering Achievement of 1985"</i>
	1974	<i>Special Civil Engineering Achievement Award received for the Prairie Plan in Fulton County</i>
Black Contractors United	1994	<i>Agency of the Year for Affirmative Action Program</i>
Center for Active Design	2014	<i>Excellence Award (Honorable Mention) for the Space to Grow program, a collaboration between the District, Chicago Public School Systems, and the City of Chicago Department of Water Management. Space to Grow was the only submission from Chicago to be recognized. Fellow award recipients span the globe</i>
Chatham Business Association	2015	<i>Partner Award</i>
Chicago Federation of Labor - AFL CIO	2001	<i>Michael J. Bruton Workplace Safety Award</i>
Chicago Public Schools	2011-2010	<i>Certificate of Appreciation for providing outstanding work-based learning experiences for Chicago Public School Career and Technical Education students through participation in the Work-Based Learning Program</i>
Chicago Southland Convention and Visitor Bureau	2009	<i>Hospitality Award of Merit for outstanding work on behalf of the Calumet-Sag Trail</i>
Chicago Wilderness and United States Environmental Protection Agency	2007	<i>Conservation and Native Landscaping Award for Native Prairie Restorations at the Lemont and North Side Water Reclamation Plants</i>
City of Chicago	2000	<i>Best Practices in expanding employment opportunities for people with disabilities</i>
Conservation Foundation & DuPage River Coalition	2006-2005	<i>Clean Water Award for Hanover Park Water Reclamation Plant</i>
	2002	<i>DuPage River Clean Water Award</i>
Construction Industry Service Corporation (CISCO)	2015	<i>Public Body of the Year</i>
		<i>Project of the Year - Infrastructure category for constructing the Wet Weather Treatment Facility and Reservoir at the Lemont Water Reclamation Plant</i>
Engineering News Record	1999	<i>Construction of the Chicago Sanitary and Ship Canal in 1900 and Tunnel and Reservoir Plan in 1985 named as two of the top 125 engineering projects of the past 125 years</i>
Federation of Women Contractors	2016	<i>Outstanding Advocate of the Year Award</i>
	2012	<i>Outstanding Program of the Year Award for the MWRD Affirmative Action Program</i>
	2007	<i>Advocacy Award for Affirmative Action Program</i>

AWARDS AND ACHIEVEMENTS RECOGNITION (continued)

Friends of the Chicago River	2016	<i>Chicago River Blue Awards Green Ribbon Award for Disinfection at the Calumet Water Reclamation Plant and O'Brien Water Reclamation Plant and Thornton Reservoir</i>
Government Finance Officers Association of the United States and Canada	2016-1985	<i>Budget document recognized for Distinguished Budget Presentation</i>
	2016	<i>Budget document received Special Performance Measures recognition</i>
	2015	<i>Budget document received outstanding in the overall category of Communications Device</i>
	2015-2007	<i>Certificate of Achievement for Excellence in Financial Reporting for the MWRD Retiree Health Care Trust - Comprehensive Annual Financial Report for Fiscal Years 2007 through 2015</i>
	2015-1975	<i>Certificate of Achievement for Excellence in Financial Reporting - Comprehensive Annual Financial Report for Fiscal Years 1975 through 2015</i>
	2015-1993	<i>Certificate of Achievement for Excellence in Financial Reporting for the MWRD Retirement Fund - Comprehensive Annual Financial Report for Fiscal Years 1993 through 2015</i>
	1999, 1996-1993	<i>Outstanding Achievement in Popular Annual Financial Reporting</i>
Illinois Association for Floodplain and Stormwater Management	1998-1988	<i>Budget document recognized as "Especially Notable" or "Outstanding" in various categories</i>
	2016	<i>Flood Reduction Project Award for Large Project for the Thornton Composite Reservoir</i>
	2014	<i>Sustainability Award for the Space to Grow program for the redevelopment of four school properties using a variety of Best Management Practices for creating green space</i>
Illinois Department of Natural Resources	2016	<i>Illinois Mined Land Reclamation Award in the non-coal category for the Thornton Composite Reservoir</i>
Illinois Engineering Council	2006	<i>Outstanding Engineering Achievement Award for Tunnel and Reservoir Plan</i>
Illinois Environmental Protection Agency	1994, 1983, 1981	<i>Certificate of Excellence Award for Wastewater Safety for James C. Kirie Water Reclamation Plant</i>
	1993-1992	<i>Certificate of Excellence Award for Safety received by various treatment plants</i>
	1992-1987	<i>Certificate of Excellence Award for Wastewater Safety received by various treatment plants</i>
	1991-1988	<i>Letters of Commendation of Excellence on Maintenance, Operation, and Compliance for various treatment plants</i>
	1988	<i>Hanover Park Treatment Plant named Plant of the Year</i>
Illinois Safety Council and Greater Chicago Safety Council	2007	<i>Safety and Health Outstanding Safety Performance Award for North Side and Calumet Water Reclamation Plants</i>
		<i>Fleet and Transportation Outstanding Safety Performance Award - District-wide</i>
	2006	<i>Safety and Health Outstanding Safety Performance Award for Calumet and Stickney Water Reclamation Plants</i>

AWARDS AND ACHIEVEMENTS RECOGNITION (continued)

Illinois Safety Council and Greater Chicago Safety Council (continued)	2005	<i>Safe Driving Award - District-wide, Fulton County Prairie Plan, Main Office Building, Main Office Building Annex, Lockport Powerhouse, John E. Egan, Hanover Park, James C. Kirie, Lemont, North Side, and Stickney Water Reclamation Plants</i>
		<i>Health and Safety Award for North Side Water Reclamation Plant</i>
	2004, 2001	<i>Transportation Award for Outstanding Safety Performance - District-wide</i>
	2004	<i>Health and Safety Award - Fulton County Prairie Plan, James C. Kirie Water Reclamation Plant, Lawndale Avenue Solids Management Area, Racine Avenue Pumping Station, Main Office Building Annex, Lemont, North Side, and Stickney Water Reclamation Plants</i>
		<i>Outstanding Safety Performance Award</i>
	2003	<i>Health and Safety Award - District-wide, Fulton County Prairie Plan, Lockport Powerhouse, Main Office Building, Main Office Building Annex, John E. Egan, Hanover Park, James C. Kirie, Lemont, and North Side Water Reclamation Plants</i>
2003-2002 1996-1994		<i>Safety and Health Award for Outstanding Safety Performance</i>
2002, 2000		<i>Outstanding Safety Performance in maintaining a safe and healthy working environment for its employees</i>
Illinois Society of Professional Engineers	2010	<i>Chicagoland Excellence in Engineering Project Award, Mechanical Division, for the Calumet Central Boiler Facility</i>
	1986	<i>MWRDGC System deemed one of the "Ten Outstanding Engineering Achievements in Illinois in the Last 100 Years"</i>
	1985	<i>Outstanding Engineering Accomplishment Award for the Tunnel and Reservoir Plan - Phase I System</i>
	1984	<i>Outstanding Engineering Accomplishment Award for Upper Salt Creek Watershed Floodwater Management Plan</i>
Illinois Water Environment Association	2016	<i>Best Presentation Award, "Biosolids Beneficial Reuse Programs: SWOT and PEST Evaluations to Ensure Sustainability"</i>
	2013	<i>Debra Shore, Commissioner, is the recipient of the inaugural Public Official of the Year award. The Public Official of the Year award is presented to an elected or appointed public official that has made a documented significant contribution in the areas of clean water legislation, public policy, government service, or another area of public prominence that resulted in improvements to the water environment</i>
	2010	<i>Best Technical Presentation Award: Protozoa as Indicators of Activated Sludge Treatment System Conditions</i>
	2008	<i>Best Technical Presentation Award: Concerns about Endocrine Disrupting Chemicals in Land Applied Biosolids - Media Hype or Reality?</i>
International Personnel Management Association	1995	<i>Award for Excellence - Best personnel department in a medium-sized agency</i>
Lake Michigan Water Analysts	1995	<i>Award of Excellence</i>
Metropolitan Chicago Masonry Council	1981	<i>"Excellence in Masonry '80" for James C. Kirie Water Reclamation Plant Masonry Design</i>

AWARDS AND ACHIEVEMENTS RECOGNITION (continued)

National Association of Clean Water Agencies (NACWA), formerly known as Association of Metropolitan Sewage Agencies	2016	<i>Utility of the Future Today Recognition</i>
	2015	<i>NACWA Award for Compliance with National Pollutant Discharge Elimination System, Platinum Award for 24 consecutive years of full compliance for Calumet Water Reclamation Plant; Platinum Award for 19 consecutive years of full compliance for Lemont Water Reclamation Plant; Platinum Award for 11 consecutive years of full compliance for James C. Kirie Water Reclamation Plant; Platinum Award for ten consecutive years of full compliance for Terrence J. O'Brien Water Reclamation Plant; and Platinum Award for eight consecutive years of full compliance for Hanover Park Water Reclamation Plant</i>
	2015	<i>NACWA Award for Compliance with National Pollutant Discharge Elimination System, Gold Award for John E. Egan and Stickney Water Reclamation Plants</i>
	2014	<i>Excellence in Management Platinum Award for excellence in utility management and successful implementation of programs that address the range of management challenges facing public wastewater utilities in today's competitive environment</i>
		<i>NACWA Award for Compliance with National Pollutant Discharge Elimination System, Platinum Award for 23 consecutive years of full compliance for Calumet Water Reclamation Plant; Platinum Award for 18 consecutive years of full compliance for Lemont Water Reclamation Plant; Platinum Award for ten consecutive years of full compliance for James C. Kirie Water Reclamation Plant; Platinum Award for nine consecutive years of full compliance for Terrence J. O'Brien Water Reclamation Plant; and Platinum Award for seven consecutive years of full compliance for Hanover Park Water Reclamation Plant</i>
		<i>NACWA Award for Compliance with National Pollutant Discharge Elimination System, Gold Award for John E. Egan and Stickney Water Reclamation Plants</i>
	2013	<i>NACWA Award for Compliance with National Pollutant Discharge Elimination System, Platinum Award for 22 consecutive years of full compliance for Calumet Water Reclamation Plant; Platinum Award for 17 consecutive years of full compliance for Lemont Water Reclamation Plant; Platinum Award for nine consecutive years of full compliance for James C. Kirie Water Reclamation Plant; Platinum Award for eight consecutive years of full compliance for Terrence J. O'Brien Water Reclamation Plant; and Platinum Award for six consecutive years of full compliance for Hanover Park Water Reclamation Plant</i>
		<i>NACWA Award for Compliance with National Pollutant Discharge Elimination System, Silver Award for John E. Egan and Stickney Water Reclamation Plants</i>
		<i>Richard Lanyon, former Executive Director, was inducted into the Hall of Fame and became the fifth former District executive in its ranks. The other four are former Director of M&R Dr. Cecil Lue-Hing and former General Superintendents Bart Lynam, Hugh McMillan, and Ben Sosewitz</i>

AWARDS AND ACHIEVEMENTS RECOGNITION (continued)

National Association of Clean Water Agencies, formerly known as Association of Metropolitan Sewage Agencies (continued)	2012	<p><i>NACWA Award for Compliance with National Pollutant Discharge Elimination System, Platinum Award for 21 consecutive years of full compliance for Calumet Water Reclamation Plant; Platinum Award for 16 consecutive years of full compliance for Stickney and Lemont Water Reclamation Plants; Platinum Award for eight consecutive years of full compliance for James C. Kirie Water Reclamation Plant; Platinum Award for seven consecutive years of full compliance for North Side Water Reclamation Plant; and Platinum Award for five consecutive years of full compliance for Hanover Park Water Reclamation Plant</i></p>
		<p><i>NACWA Award for Compliance with National Pollutant Discharge Elimination System, Silver Award for John E. Egan Water Reclamation Plant</i></p>
	2011	<p><i>NACWA Award for Compliance with National Pollutant Discharge Elimination System, Platinum Award for 20 consecutive years of full compliance for Calumet Water Reclamation Plant; Platinum Award for 15 consecutive years of full compliance for Stickney and Lemont Water Reclamation Plants; Platinum Award for seven consecutive years of full compliance for James C. Kirie Water Reclamation Plant; and Platinum Award for six consecutive years of full compliance for North Side Water Reclamation Plant</i></p>
		<p><i>NACWA Award for Full Compliance with National Pollutant Discharge Elimination System, Gold Award for Hanover Park Water Reclamation Plant</i></p>
		<p><i>NACWA Award for Compliance with National Pollutant Discharge Elimination System, Silver Award for John E. Egan Water Reclamation Plant</i></p>
	2010	<p><i>NACWA Award for Compliance with National Pollutant Discharge Elimination System, Platinum Award for 19 consecutive years of full compliance for Calumet Water Reclamation Plant; Platinum Award for 14 consecutive years of full compliance for Stickney and Lemont Water Reclamation Plants; Platinum Award for six consecutive years of full compliance for John E. Egan and James C. Kirie Water Reclamation Plants; and Platinum Award for five consecutive years of full compliance for North Side Water Reclamation Plant</i></p>
		<p><i>NACWA Award for Full Compliance with National Pollutant Discharge Elimination System, Gold Award for Hanover Park Water Reclamation Plant</i></p>
	2009	<p><i>NACWA Award for Full Compliance with National Pollutant Discharge Elimination System, Gold Award for Hanover Park and North Side Water Reclamation Plants</i></p>
		<p><i>NACWA Award for Full Compliance with National Pollutant Discharge Elimination System, Platinum Award for John E. Egan, James C. Kirie, Stickney, Calumet, and Lemont Water Reclamation Plants</i></p>
	2008	<p><i>National Environmental Achievement Award in Public Information and Education - Education Program category for "Mission Possible: Educating People to Promote Beneficial Use of Biosolids"</i></p>
		<p><i>NACWA Award for Full Compliance with National Pollutant Discharge Elimination System, Gold Award for John E. Egan, Hanover Park, James C. Kirie, and North Side Water Reclamation Plants</i></p>
		<p><i>NACWA Award for Compliance with National Pollutant Discharge Elimination System, Platinum Award for 17 consecutive years of full compliance for Calumet Water Reclamation Plant and Platinum Award for 12 consecutive years of full compliance for Stickney and Lemont Water Reclamation Plants</i></p>

AWARDS AND ACHIEVEMENTS RECOGNITION (continued)

National Association of Clean Water Agencies, formerly known as Association of Metropolitan Sewage Agencies (continued)	2007	<i>NACWA Award for Compliance with National Pollutant Discharge Elimination System, Silver Award for Hanover Park Water Reclamation Plant</i>
		<i>NACWA Award for Full Compliance with National Pollutant Discharge Elimination System, Platinum Award for Stickney, Calumet, and Lemont Water Reclamation Plants</i>
		<i>NACWA Award for Full Compliance with National Pollutant Discharge Elimination System, Gold Award for James C. Kirie, John E. Egan, and North Side Water Reclamation Plants</i>
	2006	<i>NACWA Award for Compliance with National Pollutant Discharge Elimination System, Platinum Award for Stickney, Calumet, and Lemont Water Reclamation Plants</i>
		<i>NACWA Award for Full Compliance with National Pollutant Discharge Elimination System, Gold Award for James C. Kirie, John E. Egan, Hanover Park, and North Side Water Reclamation Plants</i>
	2005-2003	<i>Certificate of Recognition for Excellence in Management for excellence in utility management and successful implementation of programs that address the range of management challenges facing public wastewater utilities in today's competitive environment</i>
	2005	<i>NACWA Award for Compliance with National Pollutant Discharge Elimination System, Silver Award for North Side Water Reclamation Plant</i>
		<i>NACWA Award for Full Compliance with National Pollutant Discharge Elimination System, Gold Award for Stickney, Calumet, James C. Kirie, John E. Egan, Hanover Park, and Lemont Water Reclamation Plants</i>
	2004	<i>NACWA Award for Full Compliance with National Pollutant Discharge Elimination System, Gold Award for Stickney, Calumet, North Side, and Lemont Water Reclamation Plants</i>
		<i>NACWA Award for Compliance with National Pollutant Discharge Elimination System, Silver Award for James C. Kirie, John E. Egan, and Hanover Park Water Reclamation Plants</i>
	2003	<i>Award for Full Compliance with National Pollutant Discharge Elimination System, Gold Award for Stickney, Calumet, North Side, Hanover Park, John E. Egan, James C. Kirie, and Lemont Water Reclamation Plants</i>
	2002	<i>Award for Full Compliance with National Pollutant Discharge Elimination System, Platinum Award for Hanover Park, North Side, and Calumet Water Reclamation Plants</i>
		<i>Award for Full Compliance with National Pollutant Discharge Elimination System, Gold Award for John E. Egan, James C. Kirie, Stickney, and Lemont Water Reclamation Plants</i>
	2001	<i>Research and Technology Award on "Biosolids as a Topsoil Substitute for the Germination and Growth of Turf, Forage, Prairie Grasses and Wild Flower Plants"</i>
		<i>National Environmental Achievement Award for Excellence in Research and Technology</i>
		<i>Award for Full Compliance with National Pollutant Discharge Elimination System, Platinum Award for Stickney and Lemont Water Reclamation Plants</i>

AWARDS AND ACHIEVEMENTS RECOGNITION (continued)

National Association of Clean Water Agencies, formerly known as Association of Metropolitan Sewage Agencies (continued)	2001	<i>Award for Compliance with National Pollutant Discharge Elimination System, Silver Award for John E. Egan Water Reclamation Plant</i>
		<i>Award for Full Compliance with National Pollutant Discharge Elimination System, Gold Award for Hanover Park, James C. Kirie, North Side, and Calumet Water Reclamation Plants</i>
	2000	<i>Award for Compliance with National Pollutant Discharge Elimination System, Silver Award for John E. Egan and James C. Kirie Water Reclamation Plants</i>
		<i>Award for Full Compliance with National Pollution Discharge System Permit Standards, Gold Award for Hanover Park, North Side, Stickney, Calumet, and Lemont Water Reclamation Plants</i>
	1999	<i>Gold Award for 100% Compliance with National Pollution Discharge System Permit Standards - Stickney, Calumet, North Side, Hanover Park, John E. Egan, James C. Kirie, and Lemont Water Reclamation Plants</i>
		<i>National Environmental Achievement Award - Research and Technology for Optimization of Conventional Low Technology Sludge Process to Produce Class A Sludge</i>
	1998	<i>Gold Award for 100% Compliance with National Pollution Discharge System Permit Standards - Stickney, Calumet, North Side, Hanover Park, James C. Kirie, and Lemont Water Reclamation Plants</i>
	1997	<i>National Achievement Outstanding Operations Award to North Side Water Reclamation Plants for its Instrumentation Project</i>
		<i>Platinum Award for 100% Compliance for more than five years with National Pollution Discharge System Permit Standards - Calumet and North Side Water Reclamation Plants</i>
		<i>Gold Award for 100% Compliance with National Pollution Discharge System Permit Standards - James C. Kirie, Lemont, and Stickney Water Reclamation Plants</i>
		<i>Silver Award for 99.9% Compliance with National Pollution Discharge System Permit Standards - John E. Egan and Hanover Park Water Reclamation Plants</i>
	1993	<i>Outstanding Operations Award for Sidestream Pool Aeration Stations</i>
National Association of Flood and Stormwater Management Agencies (NAFSMA)	2016	<i>Green Infrastructure Award, First Place in the Large Agency Category for the Space to Grow Program</i>
National Association of Government Defined Contribution Administrators	2013, 2009	<i>Leadership Recognition Award of Distinction for National Save for Retirement Week Campaign</i>
National Biosolids Partnership (Water Environment Federation and National Association of Clean Water Agencies)	2008	<i>Certificate of Achievement for meeting all the requirements for admittance and certification to the National Biosolids Partnership Environmental Management System Program</i>
National Institute of Governmental Purchasing	2017-2003	<i>Outstanding Agency Accreditation Achievement Award</i>

AWARDS AND ACHIEVEMENTS RECOGNITION (continued)

National Physical Plan Alliance	2014	<i>Champion Award for the Space to Grow program for the collaborative efforts of the District, Chicago Public Schools, and the Department of Water Management in transforming Chicago's underused and outdated schoolyards into vibrant outdoor spaces that benefit students, communities and the environment</i>
National Purchasing Institute	2006-2005	<i>Achievement of Excellence in Procurement</i>
National Society of Professional Engineers	1985	<i>Outstanding Engineering Accomplishment Award for the Tunnel and Reservoir Plan - Phase I System</i>
	1973	<i>Outstanding Engineering Achievements in the United States for the Brookfield LaGrange Rock Tunnel</i>
Rotary Club of Naperville	2016	<i>Paul Harris Award</i>
Stormwater Solutions magazine	2016	<i>Top 10 Stormwater Project for the Blue Island Green Infrastructure Project</i>
Structural Engineers Association of Illinois	1985	<i>Honor Award for the Structural-Geotechnical Design of the Tunnel and Reservoir Plan Mainstream Pumping Station</i>
The Consulting Engineers Council of Illinois	1985	<i>Engineering Excellence Honor Award for the Tunnel and Reservoir Plan Mainstream System Phase I</i>
United States Department of Defense	2003	<i>Certificate of Appreciation for Outstanding Achievement through Value Engineering</i>
United States Environmental Protection Agency	2008	<i>Exemplary Biosolids Management Award - First Place in the Public Acceptance Category</i>
	2004	<i>National Second Place Clean Water Act Recognition Award, James C. Kirie Water Reclamation Plant, for Outstanding Operations and Maintenance, Large Advanced Plant</i>
	2003	<i>Certificate of Recognition as a Clean Water Partner for the 21st Century</i>
	1998	<i>Designation of the Chicago River as "One of the 25 Outstanding Success Stories in the Nation on the Occasion of the 25th Anniversary of the Clean Water Act"</i>
	1996	<i>Award of Excellence for First Place in Category Five in the National Pretreatment Program</i>
	1995	<i>National Pretreatment Award recognizing excellence in the administration of the District's Pretreatment Program</i>
	1994	<i>National First Place Award recognizing the District's Outstanding Combined Sewer Overflow Control Program</i>
		<i>Award for Excellence in Maintenance and Operations Category in Region V as the Best Large Advanced Plant - James C. Kirie Water Reclamation Plant</i>
	1993	<i>Second Place for Outstanding Treatment Facility by Stickney and John E. Egan Water Reclamation Plants in the Area of Maintenance and Operations</i>
	1992	<i>North Side Treatment Plant named "Best in the Midwest" for Municipal Pollution Control</i>
		<i>Affirmative Action Program named "Best in the Country"</i>
	1991	<i>Special Award for Sustained Outstanding Long-Term Contribution to the Beneficial Use of Sludge at the Prairie Plan, Fulton County</i>
		<i>Award for the Affirmative Action Program</i>

AWARDS AND ACHIEVEMENTS RECOGNITION (continued)

United States Green Building Council	2015	<i>Best of Green Schools Award for Collaboration, Space to Grow Partnership</i>
	2014	<i>Emerald Award for the Space to Grow Program in the Chapter Mission category recognizes the impact collaborations can have in building better, brighter, and healthier spaces to live, learn, and work</i>
Water and Wastes Digest	2016	<i>Thornton Composite Reservoir, one of the "Top Projects for 2016 Award"</i>
Water Environment Federation	1999-1989	<i>Award for Outstanding Achievement in Water Quality Improvement</i>
	1992	<i>Recognition for the Solids Dewatering Prototype at the Stickney Water Reclamation Plant</i>
Water Environment Research Foundation	2013	<i>Award for Excellence in Innovation</i>
The Waterfront Center	2008	<i>Excellence on the Waterfront Award for Sidestream Elevated Pool Aeration Project</i>

LEADING PARTNERSHIPS

The District recognizes the importance of involvement in the world around us and encourages its employees to become actively involved in organizations, particularly in the water industry. We firmly believe that participation in professional organizations will enhance our awareness of current issues in our industry and help us make informed decisions. We also encourage our employees to take leadership roles in these organizations to further uphold the District as one of the top leaders in the water industry.

PROFESSIONAL ORGANIZATION	MEMBERSHIP ROLE	EMPLOYEE NAME	JOB TITLE
American Academy of Environmental Engineers and Scientists	Co-Chair, Environmental Microbiology group of the Environmental Life Sciences	Rijal, Dr. Geeta K.	Supervising Environmental Microbiologist
The American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America	Soil Science Society of America Early Career Members Committee	Brose, Dr. Dominic	Associate Environmental Soil Scientist
	Incoming Chair, Soil and Environmental Quality Division Associate Editor, Agronomy Journal	Kumar, Dr. Kuldip	Senior Environmental Soil Scientist
	Student Contest Committee	Oladeji, Dr. Olawale	Associate Environmental Soil Scientist
Central States Water Environment Association	Vice Chair, Global Water Stewardship Committee	Durkin, Maureen	Managing Civil Engineer
Chicago Area Waterway System	Data Acquisitions Committee and Water Quality Committee (Chloride Reduction Initiative)	Minarik, Tom	Senior Aquatic Biologist
Chicago Region Trees Initiative	Executive Advisory Council	St. Pierre, David	Executive Director
Cook County Economic Advisory Committee	Development & Planning Subcommittee	St. Pierre, David	Executive Director
Current Water	Ex Officio Board Member	St. Pierre, David	Executive Director
Dupage River Salt Creek Workgroup	Chloride Committee and Projects Committee	Minarik, Tom	Senior Aquatic Biologist
Emerson Process Management's Ovation Group	President on the Executive Board	Majka, Jeff	Senior Electrical Engineer
Envirotopica	Associate Editor	Guanglong, Dr. Tian	Supervising Environmental Soil Scientist
Governor's River Advisory Council	Member	St. Pierre, David	Executive Director
Human Resources Round Table for the City of Chicago Sister Agencies	Member	Kosowski, Thaddeus J.	Assistant Director of Human Resources
Illinois Association of Wastewater Agencies	Committee Chair, Subcommittee on Biosolids	Cox, Dr. Albert	Environmental Monitoring and Research Manager
	Chairman, Awards Committee	Perkovich, Brian	Assistant Director of Maintenance & Operations
	Member, Legislative Subcommittee and the Nutrients Workgroup		
	Nutrients and Total Maximum Daily Loads Committee	Szyska, Theodore	Senior Civil Engineer
	Committee Chair, Subcommittee on the Environmental Utility	Wasik, Jennifer	Supervising Aquatic Biologist

LEADING PARTNERSHIPS (continued)

PROFESSIONAL ORGANIZATION	MEMBERSHIP ROLE	EMPLOYEE NAME	JOB TITLE
Illinois Association of Wastewater Agencies (continued)	Committee Member, Subcommittee on Water Quality; Subcommittee on Nutrients and Total Maximum Daily Loads; Subcommittee on Tiered Aquatic Life Use Development	Wasik, Jennifer	Supervising Aquatic Biologist
Illinois Environmental Protection Agency	Bacteria Stakeholders Workgroup	Rijal, Dr. Geeta K.	Supervising Environmental Microbiologist
	Ammonia Workgroup	Vick, Justin	Associate Aquatic Biologist
Illinois Public Employer Labor Relations Association	Awards and Training Committees	Bonner, Roxanne J.	Human Resources Manager
	Membership and Marketing Committees	Kosowski, Thaddeus J.	Assistant Director of Human Resources
Illinois State Bar Association's Section on Environmental Law	Appointee to the Section Counsel	Mihalopoulos, Jorge	Senior Attorney
Institute of Electrical and Electronics Engineers, Power & Energy Society-Chicago	Vice Chair of the Executive Committee	Nator, Mohammed	Senior Electrical Engineer
Inter-Governmental Panel on Climate Change	Agricultural Soil CO2 Expert Committee	Guanglong, Dr. Tian	Supervising Environmental Soil Scientist
Illinois Water Environment Association	President-Elect for 2016-2017 and President for 2017-2018	Collins, Dan	Managing Civil Engineer
	Chairman of the Nutrient Removal and Recovery Committee	Garelli, Brett	Deputy Director of Maintenance & Operations
	Vice Chair of the Electrical Power, Energy, and Controls Committee	Gottardo, Glenn	Managing Electrical Engineer
	Plant Operations Committee	Kohlhaas, Lynn	Senior Civil Engineer
	Nutrient Removal and Recovery Committee	Kozak, Dr. Joseph	Supervising Environmental Research Scientist
	Biosolids Committee	Kumar, Dr. Kuldip	Senior Environmental Soil Scientist
	Biosolids and Resource Recovery Committee	McGregor, Matthew	Senior Civil Engineer
	Biosolids Committee	Oladeji, Dr. Olawale	Associate Environmental Soil Scientist
	Electrical Power, Energy, and Controls Committee	Patel, Sanjay	Engineer of Treatment Plant Operations I
	Co-Chair of the Lab Committee	Rabah, Anas	Assistant Environmental Chemist

LEADING PARTNERSHIPS (continued)

PROFESSIONAL ORGANIZATION	MEMBERSHIP ROLE	EMPLOYEE NAME	JOB TITLE
Illinois Water Environment Association (continued)	Scholarship Committee	Rijal, Dr. Geeta K.	Supervising Environmental Microbiologist
	Chair of the Lab Committee	Rose, Rebecca	Senior Environmental Chemist
	Industrial Pretreatment Committee	Scapardine, Barbara	Environmental Specialist
	Nominating Committee Chair	Storino, Lou	Principle Civil Engineer
	Chairman of the Membership Committee	Wu, Fred	Senior Civil Engineer
	Scholarship and Charitable Giving Committee		
Industrial Water, Waste, and Sewage Group	Students and Young Professionals Committee		
	Treasurer	Scapardine, Barbara	Environmental Specialist
Midwest Water Analysts Association	Steering Committee	Coolidge, Donna	Assistant Director of Monitoring & Research
	Secretary	Miller, Sarah	Senior Environmental Chemist
	Lab Chair of the Steering Committee	Rose, Rebecca	Senior Environmental Chemist
	President	Stefanich, Tricia	Senior Environmental Chemist
Millennium Reserve	Steering Committee	St. Pierre, David	Executive Director
The National Association of Clean Water Agencies	Utility and Resource Management Committee	Carmody, Steve	Engineer of Treatment Plant Operations I
	Pretreatment Program Committee	Joseph, Mathew	Assistant Director of Monitoring & Research
	Biosolids Management Committee	McGregor, Matthew	Senior Civil Engineer
	Pathogen Workgroup	Rijal, Dr. Geeta K.	Supervising Environmental Microbiologist
	Treasurer	St. Pierre, David	Executive Director
	Facility and Collection System Committee	Storino, Lou	Principle Civil Engineer
	Water Quality Committee	Vick, Justin	Associate Aquatic Biologist
	Emerging Contaminants Committee		
	Water Quality Committee	Wasik, Jennifer	Supervising Aquatic Biologist
	Pretreatment Program Committee	Yarnik, Greg	Supervising Environmental Specialist
National Council of Examiners for Engineering and Surveying	Structural Committee	Geraminejad, Babak	Assistant Structural Engineer
The National Science Foundation	Ebola Advisory Committee	Rijal, Dr. Geeta K.	Supervising Environmental Microbiologist
	Industrial Advisory Board of Water Equipment and Policy Committee	Zhang, Dr. Heng	Assistant Director of Monitoring and Research

LEADING PARTNERSHIPS (continued)

PROFESSIONAL ORGANIZATION	MEMBERSHIP ROLE	EMPLOYEE NAME	JOB TITLE
Partnership for River Restoration in the Upper Midwest	Technical Committee	Vick, Justin	Associate Aquatic Biologist
Society for Ecological Restoration	Global Organization and the Midwest and Great Lakes Chapter	Vick, Justin	Associate Aquatic Biologist
Suburban Cook County Local Emergency Planning Committee	Chairperson of the Chemical Liaison Committee	Wienberg, Kristine	Environmental Specialist
The World Academy of Sciences	Advisor	Guanglong, Dr. Tian	Supervising Environmental Soil Scientist
Water Environment Federation	Collection Systems Committee	Durkin, Maureen	Managing Civil Engineer
	Collection Systems Committee	Fitzpatrick, Kevin	Managing Civil Engineer
	Municipal Resource Recovery Design Committee	Kozak, Dr. Joseph	Supervising Environmental Research Scientist
	Vice President of the Water Resource Recovery Facility Design Committee	Kunetz, Thomas	Assistant Director of Engineering
	Residuals and Biosolids Committee	McGregor, Matthew	Senior Civil Engineer
	Utility Management Committee	Patel, Sanjay	Engineer of Treatment Plant Operations I
	Stormwater Institute Advisory Committee	Sheriff, William	Assistant Director of Engineering
	Collection Systems Committee and the Students and Young Professionals Committee	Storino, Lou	Principle Civil Engineer
	Water Environment Federation's Annual Technical Exhibition and Conference Advisory Committee		
	Stormwater Committee	Watson, John	Associate Civil Engineer
Water Environment & Reuse Foundation	Membership Committee	Wu, Fred	Senior Civil Engineer
	Trace Organics in Biosolids Research Challenge Committee	Kumar, Dr. Kuldip	Senior Environmental Soil Scientist
	Biosolids Committee		
	Leaders Innovation Forum for Technology Steering Committee	Kunetz, Thomas	Assistant Director of Engineering
	Sustainable Struvite Control Using Carbon Dioxide from Digester Gas Steering Committee	Patel, Kamlesh	Senior Environmental Research Scientist
	Project Steering Committee and Ebola Advisory Committee	Rijal, Dr. Geeta K.	Supervising Environmental Microbiologist
	Issue Area Team on Linking Receiving Water Impacts to Sources Committee	Wasik, Jennifer	Supervising Aquatic Biologist

LEADING PARTNERSHIPS (continued)

PROFESSIONAL ORGANIZATION	MEMBERSHIP ROLE	EMPLOYEE NAME	JOB TITLE
Water Environment & Reuse Foundation (continued)	Issue Area Team on the Nutrient Challenge Program Committee	Zhang, Dr. Heng	Assistant Director of Monitoring and Research
Water Environment & Reuse Foundation Leaders Innovation Forum for Technology	Design and Implementation of Peracetic Acid for Municipal Water and Wastewater Related Processes Subcommittee	Patel, Kamlesh	Senior Environmental Research Scientist
	Vice Chairman of the Workgroup on Shortcut Nitrogen Removal	Zhang, Dr. Heng	Assistant Director of Monitoring and Research
	Workgroup on Digestion Enhancements Committee Workgroup on Energy from Wastewater Committee		
United States Department of Agriculture	Biosolids Committee	Guanglong, Dr. Tian	Supervising Environmental Soil Scientist

FINANCIAL GLOSSARY

Abatement: A complete or partial cancellation of tax levy imposed by a government.

Accrual Basis of Accounting: The basis of accounting under which transactions are recognized when they occur, regardless of the timing of cash receipts and disbursements.

Accrued: The accumulation of a receivable or payable during a given period even though no explicit transaction occurs within that period.

Activities: The major programs and projects performed by an organizational unit.

Ad Valorem Tax: A tax levied in proportion to the value of the property against which it is levied (also known as property tax).

Appropriation: An amount of money in the budget, authorized by the Board of Commissioners, for expenditure or obligation within organizational units for specific purposes. The Corporate Fund appropriates money for operating and general purposes. The Capital Improvements Bond Fund appropriates money for major improvements, plant expansion, sewers, etc.

Assessed Valuation: The value of all taxable property within the boundaries of the District as a basis for levying taxes (i.e., the property's value). See tax base.

Assets: Resources owned or held by the District which have monetary value.

Balance Sheet: A statement showing the financial position at a given time, disclosing assets, liabilities and fund balances.

Balanced Budget: Budgeted resources are equal to budgeted requirements.

Bond: A written promise to pay a specified sum of money (called the principal) at a specified date in the future, together with periodic interest at a specified rate. In the budget document, these payments are identified as debt service.

Bond Redemption & Interest Fund (Debt Service Fund): Established to account for annual property tax levies and certain other revenues, primarily interest on investments, which are used for the payment of principal and interest of general obligation bond issues.

Budget: A balanced financial plan for a given period of time, which includes appropriations and tax levy ordinances for the various sources of revenue which finance the various funds. The budget is not only a financial plan; it also serves as a policy guide, as an operations guide and as a communications medium.

Capital Equipment: Fixed assets such as vehicles, marine equipment, computers, furniture, technical instruments etc., which have a life expectancy of more than one year and a value over \$5,000.

Capital Improvement Program: The aggregate compilation of those individual construction projects identified as necessary for new facilities, or to rehabilitate, replace, or expand existing District facilities for the District to continue to meet its statutory service mandates in keeping with existing regulatory requirements.

Capital Improvements Bond Fund: Established to account for the proceeds of bonds authorized by the Illinois General Assembly, government grants and certain other revenues, all to be used in connection with improvements, replacements and additions to the District's facilities.

Capital Outlay: Expenditures which result in the acquisition of, or addition to, fixed assets, including land, buildings, improvements, machinery and equipment. Most equipment or machinery is included in the annual operating budget. Capital improvements such as acquisition of land, construction and engineering expenses are included in the Capital Budget.

Capital Projects Fund: Established to account for all resources, principally bond proceeds and construction grants, which are used for the acquisition or construction of capital facilities. Included in Capital Projects Funds are the Capital Improvements Bond Fund and the Construction Fund.

Capitalized: Capital outlays recorded as additions to the asset account, not as expenses.

Carryover (Net Assets Applicable): That resource balance left after subtracting Current Liabilities and Designated Fund Balances from Current Assets.

Cash Basis of Accounting: Revenues are not recorded until cash is received, and expenditures are recorded only when cash is disbursed.

Cash Management: A conscious effort to manage cash flows in such a way that interest and penalties paid are minimized and interest earned is maximized. Funds received are deposited on the day of receipt and invested as soon as the funds are available. The District maximizes the return on all funds available for investment without sacrifice of safety or necessary liquidity.

Classification of Budgetary Code Accounts: A manual published yearly which specifies the official code designations set forth in the annual budget for the purposes of accounting and expenditure control. Budgetary code listings for funds, organizations, locations, programs and line items are included.

Commitment Items: Expenditure classifications established to account for and budget the appropriations approved. Also referred to as Line Item.

Construction Fund: Established to account for an annual property tax levy and certain other revenues to be used in connection with improvements, replacements and additions to the District's facilities.

FINANCIAL GLOSSARY (continued)

Construction Working Cash Fund: Established to make temporary loans (repayable from the tax levy of the applicable year) to the Construction Fund, reducing the need for issuing short-term debt and the resultant interest expense.

Consumer Price Index (CPI): A measure of the average change over time in the prices paid by urban consumers for a market basket of consumer goods and services.

Corporate Fund: Established to account for an annual property tax levy and certain other revenues which are to be used for the operations and payments of general expenditures of the District not specifically chargeable to other funds.

Corporate Working Cash Fund: Established to make temporary loans (repayable from the tax levy of the applicable year) to the Corporate Fund, thus reducing the need for issuing short-term debt and the resultant interest expense.

Crosshatch (#): The crosshatch mark (#) indicates a restriction on the filling of a vacated position.

Current Assets: Cash plus assets that are expected to be converted to cash, sold or consumed during the next twelve months or as a part of the normal operating cycle.

Current Liabilities: Obligations that will become due within the next year or within the normal operating cycle, if longer than a year.

Debt Service Fund: See Bond Redemption & Interest Fund.

Debt Service Requirements: The amount of money required to pay interest and principal on outstanding debt.

Delinquent Taxes: Taxes remaining unpaid on and after the date to which a penalty for nonpayment is attached.

Depreciation: The allocation of the acquisition cost of plant, property and equipment to the particular periods or products that benefit from the utilization of the asset in service.

Disbursements: Payments made on obligations.

Encumbrances: Obligations incurred in the form of orders, contracts and similar items that will become payable when goods are delivered or services rendered.

Equalization: After the County Assessor has established the assessed valuation for a given year, and following any revisions by the Board of (Tax) Appeals, the Illinois Department of Revenue is required by statute to review the assessed valuation. The Illinois Department of Revenue establishes an equalization factor, commonly called the "multiplier," for each county to make all valuations uniform among the 102 counties in the state.

Equalized Assessed Valuation (EAV): Once the equalization factor (multiplier) is established, the assessed valuation, as revised by the Board of (Tax) Appeals, is multiplied by the equalization factor (multiplier) to determine the EAV.

Expenditure: An amount of money disbursed or obligated. Expenditures include current operating expenses requiring the present or future use of net current assets, debt service, and capital outlays. (see Accrual and Cash Basis of Accounting).

Fiduciary Funds: Established to account for transactions related to assets held in trust for a public purpose.

Fiscal Year: The time frame to which the budget applies. For the District, this is the period from January 1 through December 31.

Fixed Assets: Long-term tangible assets that have a normal use expectancy of more than one year and do not lose their individual identity through use. Fixed assets include buildings, equipment, improvements other than buildings and land.

Function: A group of related tasks, such as sewage treatment and collection, or the reduction of water pollution, which is aimed at accomplishing a major service or regulatory program for which a governmental unit is responsible.

Fund: An accounting entity established to account for sums of money or other resources, such as taxes, charges, fees, etc., to conduct specified operations and to attain certain objectives. Funds are frequently under specific limitations. For more information regarding specific funds, refer to the Financial Narrative in Section III, "Financial Statements by Fund."

Fund Accounting: A governmental accounting system which is organized and operated on a fund basis.

Fund Balance: The cumulative difference of all revenues and all expenditures of the fund from the time the governmental entity was established. Fund balance is also considered to be the difference between fund assets and fund liabilities and is sometimes referred to as "fund equity."

Generally Accepted Accounting Principles (GAAP): Uniform minimum standards of, and guidelines for, external financial accounting and reporting. They govern the form and content of the basic financial statements of an entity. GAAP encompasses the conventions, rules, and procedures necessary to define accepted accounting practices at a particular time. They include not only broad guidelines of general application, but also detailed practices and procedures. GAAP provides a standard by which to measure financial presentations. The primary authoritative statement on the application of GAAP to state and local governments is Government Accounting Standards Board (GASB) pronouncements.

General Obligation Bonds: Bonds, the payment for which the full faith and credit of the issuing government are pledged.

Governmental Funds: Group of funds utilized to account for revenues and expenditures in compliance with the legal requirements and constraints of current statutes for governmental agencies.

FINANCIAL GLOSSARY (continued)

Grant: A contribution by one governmental unit to another unit. The contribution is usually made to aid in the support of a specified function, such as sewer construction, pollution control, etc.

Home-Rule Unit: The principle or practice of self-government in the internal affairs of a dependent political unit. In Illinois, any municipality with population of more than 25,000 is a home-rule unit unless it elects by referendum not to be a home-rule unit. Any other municipality may elect by referendum to become a home-rule unit.

Internal Control: Methods and procedures that are mainly concerned with the authorization of transactions, safeguarding of assets, and accuracy of the financial records.

Liabilities: Obligations incurred in past or current transactions requiring present or future settlement.

Limited Tax Bonds: A form of nonreferendum bonding authority granted by Illinois PA 89-385 allowing the District to issue additional debt for projects initiated after October 1, 1991. Limited Tax Bonds can be issued to the extent that the total debt service requirements of any new debt, when combined with existing debt service, do not exceed the debt service extension base established by the Act.

Line Items: Expenditure classifications established to account for and budget the appropriations approved. Also referred to as Commitment Item.

Mid-Year Reviews: Twice during the fiscal year (in May and August), the current year budget is evaluated based on spending to date and current projections. The primary areas reviewed and analyzed are (1) current year budget versus previous year revenues and expenditures; (2) year-to-date expenditure and revenue status plus expenditure and revenue projections for the remainder of the year; and (3) data to support recommendations for budget transfers.

Modified Accrual Basis of Accounting: The basis of accounting under which revenues are recognized when measurable and available to pay liabilities, and expenditures are recognized when the liability is incurred except for interest on long-term debt which is recognized when due.

Multiplier: See Equalization.

Net Assets Appropriable: That resource balance left after subtracting Current Liabilities and Designated Fund Balances from Current Assets. Commonly referred to as carryover.

Net Present Value: A mathematical formula used to measure the expected return on investments by calculating how much money needs to be invested today to result in a certain sum at a future time.

Object Classification: A grouping of expenditures on the basis of goods or services purchased (e.g., personal services, materials and supplies, equipment, etc.), also referred to as Object of Expenditure.

Objectives: The yearly organizational levels of achievement expected. A statement of purpose defined more specifically than a goal. (A goal can include several related objectives.) Objectives are listed in order of priorities with their associated costs including estimates of salaries, equipment, supplies, etc.

Obligations: Amounts which a government may be legally required to meet out of its resources. They include not only actual liabilities, but also encumbrances not yet paid.

Ordinance: A bill, resolution or order by means of which appropriations are given legal effect. It is the method by which the appropriation of the annual budget is enacted into law by the Board of Commissioners per authority of state statutes.

Other Postemployment Benefits (OPEB): Cost of retiree health insurance benefits recognized over the active service life of the employees rather than on a pay-as-you-go basis.

Performance: The measurable unit of types of work, related to District activities and, where meaningful, the costs of operation that are used to develop the costs for each unit of activity (i.e., dollars per one million gallons of sewage treated).

Personal Property Replacement Tax: Since July 1979, this income tax on corporations, partnerships and invested capital of utilities replaces the personal property taxes previously levied.

Pollution Control Facilities: The State of Illinois directly assesses all pollution control facilities which have been certified by the Pollution Control Board. Pollution control facilities include any system, method, construction, device or appliance appurtenant that is designed, constructed, installed or operated for the primary purpose of eliminating, preventing or reducing air and water pollution as defined in the Environmental Protection Act. This does not include any pollution control facility used for radioactive waste, nuclear generation of electric power or for sewage disposal or treatment.

Programs: The essential activities performed by the District such as collection, treatment, flood and pollution control, etc., including specific and related sub-activities.

Property Tax Extension Limitation Laws: Illinois Public Act 89-1 provides for limitations on real estate property tax levies. As applicable to the District, the 1994 tax levy, payable in 1995 is limited to a 5 percent increase from the 1993 levy. Future levies are limited to increases of the lesser of 5 percent or the percentage change in the national consumer price index (CPI-U).

Property Tax Rate: The amount of tax stated in terms of a unit of the tax base, expressed as dollars per \$100 of equalized assessed valuation.

Railroad Property: The State of Illinois directly assesses railroad property which includes all railroad "operating property." Tracks and right-of-way, all structures, equipment, and all property connected with or used in the operation of the railroad along with real estate held for expansion. Nonoperating railroad property is assessed by the County Assessor.

FINANCIAL GLOSSARY (continued)

Real Property: Real Estate, including land and improvements (buildings, fences, pavements, etc.) classified for purposes of assessment.

Refunding Bonds: Bonds issued to retire bonds already outstanding.

Reserve Claim Fund: Established for the payment of claims, awards, losses, judgments or liabilities which might be imposed against the District, and for the emergency repair or replacement of damaged District property.

Resources: The actual assets of a governmental unit, such as cash, taxes receivable, land, buildings, etc., including estimated revenues applying to the current fiscal year, and bonds authorized and unissued.

Retirement Fund: Established to account for annual pension costs and supported in part by property taxes which are levied in accordance with statutory requirements.

Revenue: Income generated by taxes, notes, bonds, investment income, land rental, user charge, sludge and scrap sales as well as federal and state grants.

Sinking Fund: See Bond Redemption & Interest Fund.

Special District: A governmental entity established by the State of Illinois for a specific purpose or purposes. The District was originally organized under an act of the General Assembly of the State of Illinois in 1889.

State Revolving Fund (SRF): Under the Water Quality Act Amendment of 1987, federal authorization created State Revolving Funds administered by State agencies which provide loans from these funds to municipal agencies for their wastewater construction programs. These loans carry interest rates which are below general rates available in the municipal bond market. Therefore, pollution control facilities receive subsidies which can provide the approximate equivalent of a 25 to 30 percent grant.

Tax Base: The aggregate value of the items being taxed. The base of the District's real property tax is the market value of all taxable real estate within the boundaries of the District. See assessed valuation.

Tax Cap: (Property Tax Extension Limitation Laws). Illinois Public Act 89-1 provides for limitations on real estate property tax levies. As applicable to the District, the 1994 tax levy, payable in 1995 is limited to a 5 percent increase from the 1993 levy. Future levies are limited to increases of the lesser of 5 percent or the percentage change in the National Consumer Price Index (CPI-U).

Tax Levy: An amount of money raised through the collection of property taxes to finance each fund operation.

Tax Levy Ordinance: An ordinance through which taxes are levied. See ordinance.

Tax Rate: See Property Tax Rate.

Taxes: Mandatory charges levied by a governmental unit for the purpose of financing services performed for the common benefit.

User Charge System: In compliance with the 1977 Clean Water Act, the District is required to augment the ad valorem property tax system with a charge related to the actual use of waste treatment services. Users exceeding their ad valorem amount pay additional amounts for services received.

Working Cash Funds (Corporate, Construction, and Stormwater): Authorized by Illinois State Statutes to make temporary loans to the Corporate, Construction, and Stormwater Management Funds. Loans are repaid to the Working Cash Funds from the tax levies of the funds. The use of Working Cash funds eliminates the need for the issuance of short-term financing.

GLOSSARY OF TECHNICAL TERMS

Biochemical Oxygen Demand (BOD): The quantity of oxygen used in the biochemical oxidation of organic matter in a specified time, at a specific temperature, and under specific conditions; the BOD analysis is a standard test used in assessing wastewater strength. See “Carbonaceous Biochemical Oxygen Demand.”

Biological Oxidation: The process whereby living organisms in the presence of oxygen, convert the organic matter contained in wastewater into new cells and subsequently into more stable compounds.

Biosolids: The nutrient-rich organic materials resulting from the treatment of domestic sewage in a wastewater treatment facility. These organic materials are generated when solids (sewage sludge) generated during the treatment of domestic sewage are treated further to meet the 40 CFR (Code of Federal Regulations) Part 503 sewage sludge regulatory requirements for beneficial reuse.

Carbonaceous Biochemical Oxygen Demand (CBOD): The portion of BOD attributable to organic matter containing carbon; does not include nitrogenous oxygen demand.

Centrifuge: A mechanical device in which centrifugal force is used to separate solids from liquids and/or to separate liquids of different densities, i.e., a dewatering device.

Coarse and Fine Screens: A coarse screen is a bar screen with approximate 3” openings located at the point of incoming wastewater which is used to capture large objects and other debris; this device protects the sewage pumps. A fine screen is a bar screen with approximately 5/8” openings to collect and remove small debris via a traveling rake. The screening is conveyed to a scavenger disposal box.

Collection System: A system of underground conduits/sewers collecting wastewater from a source and conveying it to the treatment facility.

Combined Sewer: A sewer that transports wastewater and (in wet weather conditions) stormwater.

Design Capacity: The maximum rate of sewage flow which a treatment plant is capable of treating, on a long-term basis, to continuously attain required effluent quality.

Dewatering: Water removal or concentration of solids by filtration, centrifugation, or drying.

Digestion, Anaerobic: The biological decomposition of organic matter in the absence of oxygen, resulting in partial gasification, liquidation, and mineralization. The digester gas is collected, compressed and used to fuel the plant boilers.

Drying Bed: Large areas on which solids are placed for dewatering by gravity, drainage, and evaporation.

Effluent: The resulting product of the wastewater treatment process which is also used for tank cleaning, grass watering, and conveyor belt cleaning.

Exceptional Quality (EQ): Exceptional Quality refers to biosolids or composted biosolids that meet the Class A pathogen standard, lowest metal concentration limits, and vector attraction reduction requirement specified in 40 CFR Part 503. Biosolids meeting the EQ criteria can be beneficially used without any restrictions.

503 Regulations: The U.S. EPA issued on February 19, 1993, comprehensive federal sewage sludge use and disposal regulations which are organized in five parts: general provisions, land application, surface disposal, pathogens and vector attraction reduction, and incineration. Parts addressing standards for land application, surface disposal, and incineration practices consist of sections covering applicability and special requirements, management practices, frequency of monitoring, record keeping, and reporting requirements.

Industrial User (IU): A person who conducts any industrial, manufacturing, agricultural, trade, or business process or who conducts the development, recovery or processing of natural resources.

Industrial Waste: All solid, liquid, or gaseous waste resulting from an industrial user.

Infrastructure: Assets that are long-lived capital assets that normally are stationary in nature and normally can be preserved for a significantly greater number of years than most capital assets. Examples from our infrastructure holdings include: wastewater tankage, LASMA Drying sites, SEPA stations, the Deep Tunnel, and sewerage interceptors.

Interceptor: A larger sewer which “intercepts” the wastewater from smaller and/or local sewers.

Interceptor Inspection and Rehabilitation Program (HRP): The inspection and repair of District sewers and interceptors.

Lagoon, Solids: An earthen basin which is used for the storage, continued stabilization, and dewatering of solids.

Lysimeter: A device used for collecting water from the pore spaces of soils and for determining the chemical composition of the water that percolates through a certain depth of soil.

Maintenance Management System (MMS): A District-wide computerized system to assist management in maintaining the District’s infrastructure.

National Pollutant Discharge Elimination System (NPDES): The permit and regulation system governing direct discharges into navigable waters administered by the IEPA and USEPA.

Odor Control Program: The systematic modifying or altering of certain processes to minimize obnoxious odors. Ferric chloride, ozonation (conversion of oxygen into ozone), and deodorants are some of the various methods used in combating odors.

GLOSSARY OF TECHNICAL TERMS (continued)

Phycoremediation: The process of using algae (macro-algae or micro-algae) for the removal of pollutants, like nutrients (nitrogen and phosphorus), from the wastewater and carbon dioxide (CO₂) from waste air.

Pretreatment (Industrial): Any method, construction, device, arrangement, or appliance installed for the purpose of treating, neutralizing, stabilizing, disinfecting, or disposing of sewage, industrial waste, or other wastes prior to entry into the District's sewerage system.

Pretreatment Program: The District's efforts to identify, monitor and control by enforcement, the discharge of industrial waste from industrial sources into the District's sewerage system, in conformance with federal regulations promulgated pursuant to the Clean Water Act.

Primary Treatment: The District uses a series of large screens to remove large debris from the wastewater which can clog the machinery. Heavy solids like sand and grit are then removed in the grit chamber. Any remaining heavy solids settle to the bottom of the primary settling tanks.

Reservoirs, Storm: Temporary storage areas for containing surface waters during extreme storm conditions.

Secondary Treatment Process: The wastewater flows to aeration tanks which have been seeded with bacteria. Filtered air is pumped through the liquid to provide oxygen for the bacteria. The bacteria consume organic materials in the wastewater, grow and multiply. The mixture of bacteria and water then flow into a secondary settling tank. The bacteria clump together and become heavy "flocs" which settle to the bottom of the tank and are removed. At this point, the water can be discharged to a nearby waterway after disinfection, with over 90 percent of its contaminants removed.

Set Point: The desired or target value for an essential variable of a system.

Sewage: Water-carried human wastes or a combination of water-carried wastes from residences, business buildings, institutions and industrial establishments, together with such ground, surface, storm, or other waters as may be present.

Sewage and Waste Control Ordinance: An ordinance to provide for the abatement and prevention of pollution by regulating and controlling the quantity and quality of sewage and industrial waste admitted to or discharged into the sewerage systems, sewage treatment facilities, and waterways under the jurisdiction of the District. This ordinance was originally adopted by the District's Board of Commissioners in 1969 and continues to be amended as necessary.

Sewerage System: Sewers, intercepting sewers, pipes or conduits, pumping stations, force mains, constructed drainage ditches, surface water intercepting ditches, and all other constructions, devices, and appliances used for collecting or conducting sewage, industrial waste, or other wastes to a point of treatment or ultimate disposal.

Sidestream Elevated Pool Aeration (SEPA): A process in which a portion of the flow of a body of water is pumped up

approximately 15 feet; the water is then allowed to cascade downward over a series of weirs, thus increasing the dissolved oxygen content of the body of water.

Solids: The accumulated solids separated from wastewater during processing. The precipitate or product from chemical treatment, coagulation, or sedimentation of wastewater.

Solids Content: The weight of total solids in sludge per unit total weight of sludge, expressed in percent. Water content plus solids content equal 100 percent.

Solids Processing: A variety of settling or filtering operations (grit and scum dewatering, raw sludge concentration, sludge stabilization, dewatered stabilized sludge air drying, for example) used to collect solid material from wastewater or other liquids for subsequent utilization.

Spoil Pile: Excavated materials such as soil and rock that are piled for storage as the result of canal construction activities.

Struvite: A salt precipitate of Magnesium, Ammonium, and Phosphate in wastewater treatment facilities which may build up to the level that cause operational blockages.

Suspended Solids: Solid material that either floats on the surface of, or contained in suspension in, wastewater or other liquids. This material is largely removed by settling or filtering processes at a treatment plant. (See Solids Processing, above.)

TARP (Deep Tunnel): The Tunnel and Reservoir Plan (TARP) improves water quality by capturing combined sewer overflows (CSOs), storing this polluted wastewater, and then pumping it to a treatment plant for processing.

Tertiary Treatment: The third stage of wastewater treatment which purifies the wastewater by removal of fine particles, nitrates, and phosphates with sand filtration. This process removes 99 percent of the impurities.

USEPA: The United States Environmental Protection Agency. This federal agency is responsible for setting the guidelines and policies related to wastewater effluents and solids disposal. The Illinois EPA issues the District's National Pollutant Discharge Elimination System permit and other regulatory constraints.

Utilization: Solids used for daily landfill cover, final cover for a landfill closure, and to reclaim severely disturbed soil such as strip-mining land.

Wastewater Treatment: Processes which involve physical removal of contaminants from the wastewater by use of coarse screens, fine screens, grit tanks and settling tanks (primary treatment); further treatment via aeration and clarification (secondary treatment); and in some cases, the physical or chemical separation and removal of impurities from secondary-treated effluent (tertiary treatment).

Wetlands: Areas which are inundated by surface or groundwater at a frequency which maintains saturation. The wetlands can be natural (marshes, bogs, swamps, for example) or man-made.

ACRONYMS

ABAP	Advanced Business Application Programming language	HMO	Health Maintenance Organization
AC	Appropriation Controlled position	HPWRP	Hanover Park Water Reclamation Plant
ACH	Automated Clearing House	HVAC	Heating, Ventilation, and Air Conditioning
AED	Automated External Defibrillator	I/I	Infiltration/Inflow
ALD	Analytical Laboratories Division	IAS	Instream Aeration Station
AMS	Asset Management Section	ICAP	Infiltration/inflow Corrective Action Program
ASCE	American Society of Civil Engineers	IEPA	Illinois Environmental Protection Agency
ATP	Advisory Technical Panel	IGA	Intergovernmental Agreement
BOD	Biochemical Oxygen Demand	ILDCEO	Illinois Department of Commerce and Economic Opportunity
BMP	Best Management Practices	iPACS	The internet-based Publicly owned treatment works Administration and Compliance System
BSC	Business Services Center	IRS	Internal Revenue Service
CAFR	Comprehensive Annual Financial Report	IT	Information Technology
CALSMA	Calumet Solids Management Area	ITD	Information Technology Department
CAWS	Chicago Area Waterway System	ITSPC	Information Technology Strategic Planning Committee
CBOD	Carbonaceous Biochemical Oxygen Demand	IU	Industrial Users
CFM	Cubic Feet per Minute	IWD	Industrial Waste Division
CIBF	Capital Improvement Bond Fund	kWh	kiloWatt hour
CIP	Capital Improvement Program	KWRP	Kirie Water Reclamation Plant
CPI	Consumer Price Index	LASMA	Lawndale Avenue Solids Management Area
CPR	Cardio-Pulmonary Resuscitation	LF	Linear Feet
CSA	Calumet Service Area	LIMS	Laboratory Information Management System
CSO	Combined Sewer Overflow	LPH	Lockport Powerhouse
CUP	Chicago Underflow Plan	LSSS	Local Sewer Systems Section
CWRP	Calumet Water Reclamation Plant	LWRP	Lemont Water Reclamation Plant
DCS	Distributed Control System	M&O	Maintenance & Operations
DO	Dissolved Oxygen	M&R	Monitoring & Research
DT	Dry Tons	MBE	Minority Business Enterprise
DWP	Detailed Watershed Plan	MGD	Millions of Gallons per Day
EAM	Enterprise Asset Management	MMS	Maintenance Management System
EAP	Employee Assistance Program	MOB	Main Office Building – 100 E. Erie St., Chicago, Illinois
EAV	Equalized Assessed Valuation	MOBA	Main Office Building McMillan Pavilion – 111 E. Erie St., Chicago, Illinois
EBPR	Enhanced Biological Phosphorus Removal	MOBC	Main Office Building Complex – MOB & MOBA
EEO	Equal Employment Opportunity	MOP	Manual of Procedures
EGWP	Employer Group Waiver Plan	MSC	Material Service Corporation
EIS	Economic Impact Study	MSPS	Mainstream Pumping Station
EM&RD	Environmental Monitoring and Research Division	MWRD	Metropolitan Water Reclamation District
EMS	Environmental Management System	NAA	Net Assets Appropriable
ESS	Employee Self-Service	NACWA	National Association of Clean Water Agencies
EWRP	Egan Water Reclamation Plant	NBP	National Biosolids Partnership
F&D	Furnish and Deliver	NBPS	North Branch Pumping Station
FD&I	Furnish, Deliver, and Install	NCBP	Non-Core Business Projects
FDIC	Federal Deposit Insurance Corporation	NPDES	National Pollutant Discharge Elimination System
FESOP	Federally Enforceable State Operating Permit	NRI	Notification and Request for Inspection permits
FMLA	Family Medical Leave Act	NSA	North Service Area
FOIA	Freedom of Information Act	NSWRP	North Side Water Reclamation Plant (renamed OWRP)
FTE	Full-Time Equivalent		
GAAP	Generally Accepted Accounting Principles		
GASB	Government Accounting Standards Board		
GFOA	Government Finance Officers Association		
GIP	Green Infrastructure Program		
GIS	Geographic Information System		
gpcpd	gallons per capita per day		
GRC	Governance, Risk, and Compliance		
HASMA	Harlem Avenue Solids Management Area		

ACRONYMS (continued)

OM&R	Operations, Maintenance, & Replacement costs	WBE	Women-owned Business Enterprise
OPA	Office of Public Affairs	WEFTEC	Water Environment Federation Technical Exhibition and Conference
OPEB	Other Postemployment Benefits	WMO	Watershed Management Ordinance
ORS	Online Reporting System	WRP	Water Reclamation Plant
OSHA	Occupational Safety and Health Administration	WSPS	West Side Pumping Station
OWRP	O'Brien Water Reclamation Plant (formerly known as NSWRP)		
P&B	Pump & Blower		
PBF	Public Budget Formulation		
PCB	Poly-Chlorinated Bi-phenols		
PCE	Protected Class Enterprise		
PFC	perfluorinated compound		
PIMS	Pretreatment Information Management System		
P&MM	Procurement & Materials Management		
PO	Purchase Order		
PPO	Participating Provider Option		
PPRT	Personal Property Replacement Tax		
PS	Pumping Station		
PST	Primary Settling Tank		
RAPS	Racine Avenue Pumping Station		
RAS	Return Activated Sludge		
REI	Request for Expression of Interest		
RFP	Request for Proposal		
RMIS	Risk Management Information System		
SAN	Storage Area Network		
SAP	SAP is a German computer software firm		
SBE	Small Business Enterprise		
SBP	Strategic Business Plan		
scfm	standard cubic feet per minute		
SEPA	Sidestream Elevated Pool Aeration stations		
SIU	Significant Industrial User		
SPO	Sewer Permit Ordinance		
SRF	State Revolving Fund loan program		
SS	Suspended Solids		
SSA	Stickney Service Area		
SSMP	Small Streams Maintenance Program		
SWCO	Sewage and Waste Control Ordinance		
SWRP	Stickney Water Reclamation Plant		
TARP	Tunnel and Reservoir Plan		
TCO	Total Cost of Operations		
TGM	Technical Guidance Manual		
TIF	Tax Increment Financing district		
UAA	Use Attainability Analysis		
UCO	User Charge Ordinance		
USEPA	United States Environmental Protection Agency		
UV	Ultraviolet		
VESSA	Victims' Economic Security and Safety Act		
VFD	Variable Frequency Drive		
WAN	Wide Area Network		
WAS	Waste Activated Sludge		
WASSTRIP®	Waste Activated Sludge Stripping to Remove Internal Phosphorus		



Metropolitan Water Reclamation District of Greater Chicago Historical Information And Milestones

- 1837** Chicago was incorporated as a city. The city's primary source of drinking water is Lake Michigan. Due to poor drainage and discharges to Lake Michigan, water-borne diseases plagued the city throughout the 1800s.
- 1856** Sewers were constructed to collect the city's wastewater. These sewers emptied into the Chicago River, ultimately becoming a health hazard.
- 1885** A torrential rainstorm flushed pollution from the river into Lake Michigan prompting public concern for ways to safeguard the quality of the drinking water.
- 1886** A Drainage and Water Supply Commission was created to study the growing problem of contamination of the city's water supply.
- 1889** Illinois Legislature passed an act enabling the establishment of the Sanitary District of Chicago to keep sewage pollution out of Lake Michigan. Referendum passed creating the Sanitary District of Chicago.
- 1892** Ground was broken on the 28-mile Main Channel of the Sanitary and Ship Canal. The canal would reverse the flow of the Chicago River by linking it to the Des Plaines River, and thus prevent pollution of Lake Michigan by the river.
- 1900** Main Channel of the Sanitary and Ship Canal opened.
- 1907** Main Channel Extension including Lockport Powerhouse and Lock completed.
- 1910** North Shore Channel completed.
- 1919** District's Board of Commissioners passed an ordinance committing the District to the construction and operation of treatment plants.
- 1922** The 16-mile Calumet-Sag Channel became operational; Calumet Treatment Plant placed into operation.
- 1928** North Side Treatment Plant placed into operation.
- 1930** U.S. Supreme Court Decree issued reducing diversion of Lake Michigan in steps. Effective January 1, 1939, diversion reduced to 1,500 cubic feet per second; West Side Treatment Plant placed into operation.
- 1939** Southwest Treatment Plant placed into operation.
- 1949** West and Southwest Treatment Plants combined.
- 1955** District's name changed to the Metropolitan Sanitary District of Greater Chicago (MSDGC); the Chicago Sewage Disposal System named one of the Seven Wonders of Modern Engineering by the American Society of Civil Engineers (ASCE), recognizing the size of the system, including intercepting sewers, treatment plants, and waterways.
- 1956** Referendum, enabled by legislation, passed adding 412 square miles to the District.
- 1961** Lemont Treatment Plant placed into operation.
- 1963** Hanover Park Treatment Plant placed into operation.
- 1969** Board adopted the Sewage and Waste Control Ordinance, prohibiting any waste discharge into Lake Michigan.
- 1971** Fulton County "Prairie Plan" began whereby abandoned strip-mines were reclaimed into agriculturally productive land; won "Special Civil Engineering Achievement Award" in 1974 from the ASCE.
- 1972** District adopted the Tunnel and Reservoir Plan (TARP) as recommended by a committee of representatives from the state, city, county, and MSDGC. The plan provided for the collection, transportation, storage, and treatment of combined rainwater and sewage that in periods of heavy rain overflowed into waterways, underpasses, and basements.
- 1975** Construction began on the 31-mile Mainstream tunnel system; Egan Treatment Plant placed into operation.
- 1977** Construction began on the Calumet tunnel system.
- 1980** O'Hare Treatment Plant (later renamed Kirie Water Reclamation Plant) and Upper Des Plaines TARP tunnel system placed into operation.
- 1985** Mainstream tunnel system placed into operation, capable of storing one billion gallons of combined sewage and stormwater.
- 1986** Mainstream tunnel system received award for "Outstanding Civil Engineering Achievement" from the ASCE; 9.2 mile Calumet tunnel system placed into operation.
- 1988** Water quality improvements recognized as causing increased real estate development along the waterway system; construction began on the Des Plaines TARP tunnel.
- 1989** District celebrated its 100th anniversary. As part of the Centennial Celebration, the District changed its name to the Metropolitan Water Reclamation District of Greater Chicago and dedicated the Centennial Fountain.
- 1990** Army Corps of Engineers and the District began construction of the O'Hare-CUP Reservoir, the first of three reservoirs in the TARP program.
- 1992-1994** District's five Sidestream Elevated Pool Aeration Stations (SEPA) completed along the Calumet River system. These stations add oxygen to the waterways to enhance the aquatic environment. The District received "Outstanding Civil Engineering Achievement" in 1994 by ASCE for these projects.
- 1998** O'Hare-CUP Reservoir placed into operation, capable of storing 350 million gallons of combined sewage and stormwater; North Branch tunnel placed into operation.
- 1999** Des Plaines tunnel placed into operation; construction began on the McCook Reservoir.
- 2000** District celebrated the 100th anniversary of the reversal of the Chicago River and completed a century of protecting Chicago's water environment; construction began on Thornton Transitional Reservoir.
- 2003** Construction began on the major capital improvement program for the Calumet, North Side, and Stickney Water Reclamation Plants.
- 2004** By an act of the Illinois Legislature, the District became responsible for stormwater management in Cook County.
- 2006** TARP Phase I 109-mile tunnel system completed; all four TARP tunnel systems in operation.
- 2007** District celebrated 100th anniversary of the Lockport Powerhouse and Dam.
- 2009** Construction of the Thornton Composite Reservoir began.
- 2010** District celebrated the 100th anniversary of the North Shore Channel.
- 2012** North Side Water Reclamation Plant renamed Terrence J. O'Brien Water Reclamation Plant.
- 2014** District celebrated its 125th anniversary.
- 2015** Disinfection facility at the Calumet Water Reclamation Plant placed into operation. Thornton Composite Reservoir placed into operation.
- 2016** Phosphorus recovery facility placed into operation at the Stickney Water Reclamation Plant; implemented an ultraviolet disinfection process at the O'Brien Water Reclamation Plant.

MOVING DOWN THE TRACK

The District is on track as we embark on the third year of our strategic business plan adopted in 2015. Guided by the vision statement, "Recovering Resources, Transforming Water," we have made steady progress toward the six goals established in the strategic plan: Add Value, Excellence, Resource Recovery, Develop Employees, Leading Partnerships, and Technology.

- Add Value** The District is pursuing opportunities to add value throughout our operations. We are producing a high quality, valuable composted soil amendment by blending wood chips from the City of Chicago with biosolids, a product of our wastewater treatment process. In 2016 we scaled up our operations, adding a new composting machine which is able to efficiently turn and aerate 20,000 cubic yards of compost per day.
- Excellence** We are focused on achieving excellent results at all levels of our organization. One of our biggest projects, the Tunnel and Reservoir Plan, is being completed on-schedule and is functioning as designed, providing water quality and flood prevention benefits throughout the Chicago region. Thornton Composite Reservoir, which went online in 2015, has virtually eliminated combined sewer overflows within its service area. The 10 billion gallon McCook Reservoir is being completed in two stages with the first phase scheduled to go online in 2017.
- Resource Recovery** The District is committed to implementing sustainable and resilient practices and have embraced a resource recovery model in our operations. In addition to large scale resource recovery work such as the phosphorus recovery facility that went online at our Stickney Water Reclamation Plant in 2016, we are also looking to the future and considering emerging technologies. We are investigating using algae to remove nutrients from water in the Algae Research Greenhouse at our O'Brien Water Reclamation Plant. In this pilot facility, algae grown on moving membranes removes nutrients from water, which could be used to produce biodiesel, dyes, fish food, and other products.
- Develop Employees** We have the best employees in the industry and are investing in our future by developing our employees. We continue to strive to reach the goal of providing every employee with 24 hours of training opportunities annually to enhance their knowledge and skills for both current and future positions. In addition, the District's internship program attracts future leaders to the organization by providing college students in our community with learning opportunities and employee development that is relevant to their academic pursuits.
- Leading Partnerships** The District recognizes the importance of active involvement in the world around us and is working to develop strong relationships with constituents on a local, state, and national level. We are partnering with municipalities to address local flooding issues, providing needed assistance to complete flood mitigation and green infrastructure projects throughout our service area. We partnered with the Village of Northbrook on their 7.5 million gallon Wescott Park Stormwater Storage Facility, which will help prevent flooding in the surrounding neighborhood. The facility is being built beneath an existing park out of modular concrete pieces and will be equipped to treat and use some of the captured stormwater for irrigation of the park.
- Technology** The District is embracing a new era of technology that delivers reliable and useful information. We are working to simplify SAP to increase utilization and maximize effectiveness while using current capabilities and enhancing use of available platforms.

On the front cover: The District's train carries biosolids seven miles from the Stickney Water Reclamation Plant to solids management areas where they are processed to become a composted soil amendment and a sustainable alternative to chemical fertilizers.





**Metropolitan Water Reclamation
District of Greater Chicago
2017 Budget
MOVING DOWN THE TRACK**

Tentative Budget

The 2017 Executive Director's Recommendations
(previously printed) and Amendments Herein

November 17, 2016





GOVERNMENT FINANCE OFFICERS ASSOCIATION

*Distinguished
Budget Presentation
Award*

PRESENTED TO

**Metropolitan Water Reclamation District of Chicago
Illinois**

For the Fiscal Year Beginning

January 1, 2016

Executive Director

The Government Finance Officers Association of the United States and Canada (GFOA) presented a Distinguished Budget Presentation Award to Metropolitan Water Reclamation District of Greater Chicago, Illinois for its annual budget for the fiscal year beginning January 1, 2016. In order to receive this award, a governmental unit must publish a budget document that meets program criteria as a policy document, as an operations guide, as a financial plan, and as a communications device.

The Metropolitan Water Reclamation District of Greater Chicago received special recognition in the category of Performance Measures.

The award is valid for a period of one year only. We believe our current budget continues to conform to program requirements, and we are submitting it to GFOA to determine its eligibility for another award.



Metropolitan Water Reclamation District of Greater Chicago **2017 Budget** **MOVING DOWN THE TRACK**

Tentative Budget

The 2017 Executive Director's Recommendations
(previously printed) and Amendments Herein

November 17, 2016

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CLERK/DIRECTOR OF FINANCE

BOARD OF COMMISSIONERS



Seated, from left to right:

Barbara J. McGowan
VICE PRESIDENT

Mariyana T. Spyropoulos
PRESIDENT

Frank Avila
CHAIRMAN OF FINANCE

Standing, from left to right:

David J. Walsh

Cynthia M. Santos

Debra Shore

Kari K. Steele

Timothy Bradford

Michael A. Alvarez

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The Tentative 2017 Budget for the Metropolitan Water Reclamation District of Greater Chicago consists of the Executive Director’s Recommendations (previously published on October 11, 2016) and amendments approved by the Committee on Budget and Employment on November 3, 2016. This supplement to the Executive Director’s Recommendations includes all of the Line Item Analysis schedules for each department with the recommendations of the Committee on Budget and Employment. A Position Analysis schedule is included only for departments where changes occurred due to actions taken at the November 3, 2016, Committee on Budget and Employment meeting. All changes are highlighted.

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NOTE PAGE

Metropolitan Water Reclamation District of Greater Chicago

100 EAST ERIE STREET

CHICAGO, ILLINOIS 60611-3154

312.751.5600

The Honorable Mariyana T. Spyropoulos
And Members of the Board of Commissioners
OFFICE

November 17, 2016

Honorable Ladies and Gentlemen:

The 2017 Budget, as presented by the Executive Director and revised by the Committee on Budget and Employment includes the resources to allow the Metropolitan Water Reclamation District of Greater Chicago (District) to provide a quality water environment for our service area.

Committee Hearings

The Committee on Budget and Employment received the Executive Director’s Recommendations on October 11, 2016. A hearing on these recommendations was conducted on November 3, 2016, when the Executive Director and his Executive Team presented major changes and initiatives included in the 2017 Budget. The Executive Director presented a summary of the 2017 updates to the Strategic Business Plan, including a discussion of the how the District is “Moving Down the Track”, the theme of the 2017 Budget. The District has a stable Corporate Fund and a sustainable capital plan, increased funding to the Retirement Fund, and continued commitment to the Other Postemployment Benefits (OPEB) Fund. The District continues to expand Stormwater Management efforts, invest in resource recovery projects, and commit to the training and development of District employees.

Budget Message

The year 2017 marks the third year of the strategic business plan adopted in 2015, “Recovering Resources, Transforming Water.” Several of the visions of the past have come to fruition this year as Thornton Reservoir was placed in service, the disinfection facilities at the O’Brien and Calumet Water Reclamation Plants operated this year, the phosphorus recovery facility at the Stickney WRP was placed in operation, the ANITA™ Mox treatment system was started up at the Egan WRP, the Space to Grow Program transformed several new school yards, and stormwater projects are protecting citizens throughout Cook County, to name

a few. These accomplishments encompass visions from the past and new visions that have been incorporated into our program in the past few years. Progress is rolling along as we continue down the track.



The first section of the McCook Reservoir, holding 3.5 billion gallons, is nearing completion in 2017. The reservoir is the final component of the Metropolitan Water Reclamation District of Greater Chicago’s Tunnel and Reservoir Plan.

The accomplishments of 2015 and 2016 have made steady progress toward the six goals established in the strategic plan and provide a foundation necessary to achieve the remaining goals and objectives. 2017 will be an exciting year for the District as many milestones will be reached. The first stage of the McCook Reservoir will be coming online with a capacity of 3.5 billion gallons, the final component of the Tunnel and Reservoir Plan (TARP) to be completed, and work will continue on the second stage scheduled to be completed in 2029. The District’s resource recovery efforts that began in 2016 will continue and expand production during 2017, while the District continues development and implementation of stormwater and green infrastructure projects to address local flooding issues.

We are pleased to present the 2017 budget recommendations, which represent a comprehensive plan to meet the strategic business plan’s goals in a fiscally

responsible manner. The Corporate Fund budget recommendation remains virtually flat to the 2016 appropriation, increasing by 0.2 percent as we continue to prioritize spending while controlling cost increases. The budget recommendation includes reducing 21 positions District-wide as we continue to balance rising personnel costs with departmental reorganizations and succession planning that will prepare the District for the future.

The District operates a fiscally sound organization, maintaining a AAA bond rating with Fitch Ratings and AA+ bond rating from Standard & Poor's. Contributing to strong credit ratings, the District's funding policies for both the Retirement Fund and Other Postemployment Benefits (OPEB) Fund exemplify the District's commitment to fiscal management. Solid ratings led to strong investor confidence at the District's 2016 bond sale, resulting in excess of \$120 million in savings on future debt service as the District was able to take advantage of 51-year-low interest rates. This accomplishment, in the midst of an uncertain Illinois financial environment, is an outstanding achievement and speaks to the careful, thoughtful management of the agency as directed by the District's Board of Commissioners.

Environmental Leadership

The District has continued its environmental leadership focus with a commitment to improving water quality of the Chicago Area Waterway System. In 2015, all seven of the water reclamation plants were 100 percent compliant in meeting National Pollutant Discharge Elimination System permits, leading to National Association for Clean Water Agencies Platinum Peak Performance Awards for five of the seven plants, with similar results anticipated for 2016. Disinfection upgrades were implemented at the Calumet WRP in 2015, and an ultraviolet radiation disinfection system was introduced at the O'Brien WRP in 2016.

To prevent or reduce accidental pharmaceutical contamination of streams, rivers, and lakes, the District has installed permanent drug take-back boxes in District facilities, as well as partnering with the U.S. Drug Enforcement Administration and the Cook County Sheriff's Office on similar programs.

Stormwater Management

Historic rain patterns consisting of intense, short bursts that overwhelm community systems, have continued in the region. Flooding continues to be the number one issue facing the District. To support solutions for local stormwater issues, the Stormwater Management Fund 2017 budget recommendation increases appropriations over 2016 by 11.1 percent. The Stormwater Management Program is aggressively working to minimize flooding damage by helping communities with local flooding issues, voluntary acquisition of flood-prone properties, and partnering with municipalities or other local governments on large capital and green infrastructure projects. The District currently has nearly 100 stormwater projects under way, including 13 intergovernmental agreements for the construction of large stormwater projects throughout the County and six intergovernmental agreements to acquire 132 flood-prone residential structures.

The District is working to promote the Residential Cost Share Program (HB 4659) with the Illinois General Assembly, which aims to reduce basement backup flooding of residences and eliminate infiltration and inflow from the sewer system. The proposed legislation would allow the District to provide funding to support work on private property, creating a cost share program with local municipalities for residential improvements. A pilot program with the City of Chicago is planned for 2017 that will demonstrate that it is more cost effective to install backflow preventers or overhead plumbing than to construct additional infrastructure.

Cost effective stormwater management strategies include a mix of large and small projects. Since 2004, the District has distributed more than 95,000 rain barrels and encourages homeowners to disconnect downspouts to keep rain runoff out of the sewer system. In 2016, the District distributed more than 14,000 oak tree saplings as part of the "Restore the Canopy, Plant a Tree" initiative, driven by the devastation of the emerald ash borer and extreme weather events that have led to the loss of approximately 13 million trees. Partnering with 25 municipalities, 30 schools, and 46 community groups, the tree program seeks to reduce the urban heat island effects, absorb carbon gases, improve habitat for wildlife, and manage stormwater.

Resource Recovery

The District understands the obligation to implement sustainable practices and has invested in research and development of resource recovery programs. In 2016, the District accomplished two major milestones in resource recovery. First, in partnership with Ostara Nutrient Recovery Technologies, the District opened the world's



Biosolids are delivered by train from the Stickney Water Reclamation Plant to the Lawndale Avenue Solids Management Area, where they are mixed with wood chips to produce high quality compost.

largest nutrient recovery facility at the Stickney WRP. Phosphorus and nitrogen recovery will provide significant environmental benefits to the Chicago Area Waterway System and downstream through the Mississippi River to the Gulf of Mexico. Excess phosphorus in waterways can cause algae to grow and bloom, creating toxic conditions that destroy aquatic life and severely limit recreational activities. Ostara’s technology recovers phosphorus and nitrogen to create a high value fertilizer that is both economically and environmentally viable.

Secondly, due to changes in Illinois law in 2015, the District can sell Exceptional Quality (EQ) biosolids and EQ biosolids blend that is composted with wood chips to the general public. Biosolids can be used almost anywhere that soil amendments and chemical fertilizers are used. In addition to revenue from the sale of biosolids, the District will also save on disposal costs.

The District continues development of algae processes for nutrient removal and harvest that can be utilized in the manufacture of a variety of products such as biofuels and bioplastics.

During 2017, the District will continue to evaluate processes and design treatment processes to optimize energy efficiency in order to reach our goal of energy neutrality by 2023. In addition to implementing a food-to-energy program that will maximize use of digester capacity, the District is marketing electrical capacity at the Lockport Powerhouse, optimizing aeration processes that will reduce energy consumption by 25 percent, and introducing solar thermal and sewer thermal systems to heat water at the water reclamation plants.



Lab Tech I Maricela Sabido demonstrates the algae process for nutrient removal.

Recovering Resources, Transforming Water

On June 16, 2016, the District held a public meeting to kick off the budget season and receive feedback to incorporate changes into the 2015 – 2020 Strategic Business Plan. The six goals, and the strategies to meet them have not changed and represent the major focus areas for staff as we seek to move forward the vision of *Recovering Resources, Transforming Water*.

Add Value. *Every employee at the District will look for opportunities to add value.* There are three main strategy areas of focus within this goal. These areas are customer service opportunities, real estate, and service levels between departments. The idea behind this goal is to advance the understanding of results versus task orientation. Every employee within the District should understand the end goal of the activity and perform the job with results in mind. Instead of merely performing tasks, the organization should understand the reason behind the activity and strive for the target.

Excellence. *Nothing of consequence is accomplished without enthusiasm.* Everything must work reliably. Our finances should be managed in an excellent manner, ensuring value for every dollar spent. Our processes should be optimized within our plants to ensure resources are not wasted. We should have a sense of urgency in the delivery of services to our constituents. Every employee should understand their value and role within the organization.



The District’s “Restore the Canopy, Plant a Tree” program was aided by Crystal Green fertilizer, the product made from phosphorus and nitrogen recovered at the Stickney Water Reclamation Plant.

Resource Recovery. *The District will pursue recovery of natural resources.* This goal focuses on four resources – water, phosphorus, biosolids, and energy. The District has a potential revenue stream of \$70 million annually through resource recovery. These projects have significant environmental impact as well. These initiatives will play a role in advancing stability at the District and encouraging thoughtful action within the community.

Develop Employees. *Value is measured through personal contribution and growth.* Every employee at the District should be valued. As such, the focus to invest in the personal growth of each employee remains a critical component of the 2015 plan.

Leading Partnerships. *We recognize the importance of active involvement in the world around us.* The District is a leader in water and resource recovery management. We need to strategically lead in our communities, state and nation. Having the top staff in the country does not come without

responsibility. The District recognizes this responsibility and is positioned to take leadership roles within the community we serve.

Technology. *The District will embrace a new era of technology that delivers reliable and useful information.* This initiative recognizes the importance of useful technology tools that are needed to promote the District in all of our efforts. Utilizing information to be transparent and to provide guidance to the organization is critical to our future success.

Please take the time to review the 2017 update to the Strategic Business Plan in full on the following pages. The challenges are many. Our role is clear. We are committed as an agency to continue providing the excellent service expected of the District.

Financial Summary

The 2017 five-year financial plan was developed to maintain budgetary fund balances at policy levels using the Strategic Business Plan as a guideline to establish priorities. The operation, maintenance, and investment in the District’s infrastructure, and other essential services will continue to receive primary focus, while some discretionary activities and non-essential services will be reduced. The District has been aggressive over the past year in addressing some of the primary drivers of the budget, including energy costs, personnel and health care costs, and pension obligations.

These recommendations continue our conservative fiscal management and include the policies, objectives, and resources to allow the District to remain true to our core mission of protecting our water environment and the health of the residents of Cook County.

The District’s appropriation and tax levy for the 2017 Tentative Budget, compared to the 2016 Budget as Adjusted is:

	<u>2017</u>	<u>2016 (Adjusted)</u>	<u>Increase / (Decrease)</u>	<u>Percent Change</u>
Total Tax Levy	\$595,027,331	\$577,561,630	\$17,465,701	3.0
Aggregate Levy	\$320,284,200	\$310,348,797	\$9,935,403	3.2
Appropriation	\$1,132,429,875	\$1,244,135,730	\$(111,705,855)	(9.0)

The aggregate levy is statutorily limited to an annual increase of five percent or the Consumer Price Index (CPI), whichever is lower. The increase in the 2017 aggregate levy is equal to the estimated CPI plus new property for 2017.

Respectfully submitted,



Kari K. Steele
Chairman, Committee on Budget and Employment



Debra Shore
Vice-Chairman, Committee on Budget and Employment

Budget Message / Highlights

Tax Levy, Tax Rate, and Appropriations

The overall 2017 tax levy required to finance the 2017 Budget is \$595.0 million, an increase of \$17.5 million, or 3.0 percent, from the 2016 Adjusted Budget. This overall increase is due to levy increases of \$8.3 million in the Retirement Fund, \$6.6 million in the Stormwater Management Fund, \$3.7 million in the Construction Fund, \$0.9 million in the Bond Redemption & Interest Fund, and \$0.1 million in the Reserve Claim Fund, offset by a decrease of \$2.2 million in the Corporate Fund.

The overall tax rate for 2017, based on the most recent Equalized Assessed Valuation (EAV), totals 43.03 cents, no change from the 2016 Adjusted Budget. The allowance for loss in collection of property taxes is budgeted at 3.5 percent, the same as 2016. The budgeted loss will be maintained at this level, based on trends in the required refunds of prior property tax payments.

Overall appropriations for 2017 total \$1,132.4 million, a decrease of \$111.7 million, or 9.0 percent, from the 2016 Adjusted Budget. The decrease is driven by a decrease of \$135.7 million in the Capital Improvements Bond Fund and a \$2.2 million decrease in the Construction Fund, offset by an \$11.7 million increase in the Bond Redemption & Interest Fund, \$8.7 million increase in the Retirement Fund, \$4.5 million increase in the Stormwater Management Fund, a \$0.8 million increase in the Corporate Fund, and \$0.4 million increase in the Reserve Claim Fund. Explanations of these changes are provided in the following detailed Fund summaries.

The following tables and narratives provide clearer explanations of budgetary differences between the 2017 Budget and the 2016 Adjusted Budget.

<u>Levies</u>	<u>2017</u>	<u>2016 Adjusted</u>	<u>Increase (Decrease)</u>	<u>Percent Change</u>
Corporate Fund	\$223,946,065	\$226,109,300	(\$2,163,235)	(1.0%)
Construction Fund	17,000,000	13,278,297	3,721,703	28.0%
Stormwater Management Fund	40,856,008	34,250,000	6,606,008	19.3%
Retirement Fund	73,438,135	65,161,200	8,276,935	12.7%
Reserve Claim Fund	5,900,000	5,800,000	100,000	1.7%
Bond Redemption & Interest Fund	233,887,123	232,962,833	924,290	0.4%
TOTAL	\$595,027,331	\$577,561,630	\$17,465,701	3.0%
<u>Appropriations</u>	<u>2017</u>	<u>2016 Adjusted</u>	<u>Increase (Decrease)</u>	<u>Percent Change</u>
Corporate Fund	\$367,062,000	\$366,260,700	\$801,300	0.2%
Construction Fund	34,450,400	36,614,400	(2,164,000)	(5.9%)
Capital Improvements Bond Fund	348,037,200	483,764,800	(135,727,600)	(28.1%)
Stormwater Management Fund	44,997,100	40,500,800	4,496,300	11.1%
Retirement Fund	79,505,000	70,772,000	8,733,000	12.3%
Reserve Claim Fund	30,617,100	30,175,900	441,200	1.5%
Bond Redemption & Interest Fund	227,761,075	216,047,130	11,713,945	5.4%
TOTAL	\$1,132,429,875	\$1,244,135,730	(\$111,705,855)	(9.0%)

Comparisons of the estimated taxes paid by the owner of a home with a market value of \$100,000 for 2017 as budgeted, and 2016 as adjusted for the 2015 EAV, are as follows:

	<u>2017 Budgeted</u>	<u>2016 Adjusted</u>	<u>Increase</u>	<u>Percent Change</u>
Estimated taxes for \$100,000	\$117.27	\$117.27	\$0.00	0.0%

Budget Message / Highlights

Major Budget Amendments Impacting the 2017 Tentative Budget

The 2017 Executive Director's Recommendations were presented to the Board of Commissioners on October 11, 2016 according to the budget process detailed on pages 30-32 of the 2017 Executive Director's Recommendations. At the October 20, 2016 Capital Improvement Program public hearing, the plan detailing work planned for 2017 was presented relating the large number of projects to the District's Strategic Business Plan including discussion of the flood protection to residents under the Tunnel and Reservoir Plan, improvements to the water reclamation plants, implementation of stormwater management projects, and phosphorus and nitrogen recovery. The Committee on Budget and Employment held departmental budget presentations on November 3, 2016.

The purpose of this section is to discuss the impacts of budgetary amendments between the Executive Director's Recommendations and the Tentative Budget.

The total appropriation increased by \$597,500 from the 2017 Executive Director's Recommendations of \$1,131,832,375 to \$1,132,429,875 due to the increases related to the line item adjustments in the Construction Fund. No changes to the property tax levies or user fees were necessary to support these increases. The net zero changes in appropriations for the Corporate Fund and the Capital Improvements Bond Fund are due to changes in the project schedule and cost estimates. The Stormwater Management Fund, Reserve Claim Fund, Bond Redemption & Interest Fund, and Retirement Fund are presented without modification from the 2017 Executive Director's Recommendations.

The 2017 Tentative Budget includes a revision to the 2016 Adjusted Levy for the Bond Redemption & Interest Fund to better reflect the year-to-year comparisons prior to and after the anticipated Stormwater Alternative Revenue. The budget pages were revised to reflect a Tax Increment Financing surplus declared by the City of Chicago, originally estimated at \$2.7 million and later revised to \$10.5 million. The actual impact to the District will be \$7.8 million. In addition, revised budget pages present estimated balance sheets and appropriable revenue for the Corporate Fund to reflect the aforementioned Tax Increment Financing surplus and present estimated balance sheets for the Construction Fund due to changes in the project schedule.

	Appropriations	
	2017 Executive Director's Recommendations	2017 Tentative Budget
Corporate Fund	\$ 367,062,000	\$ 367,062,000
Construction Fund	33,852,900	34,450,400
Capital Improvements Bond Fund	348,037,200	348,037,200
Stormwater Management Fund	44,997,100	44,997,100
Retirement Fund	79,505,000	79,505,000
Reserve Claim Fund	30,617,100	30,617,100
Bond Redemption & Interest Fund	227,761,075	227,761,075
Total Budget	\$ 1,131,832,375	\$ 1,132,429,875

Corporate Fund

The Corporate Fund is the District's general operating fund and includes appropriation requests for all the day-to-day operational costs anticipated for 2017. The total appropriation request for the Corporate Fund is \$367,062,000, unchanged from the initial budget request. The net zero changes in appropriation are due to changes in the project schedules, cost estimates, and personnel changes.

Capital Improvements Bond Fund

The Capital Improvements Bond Fund is budgeted on an "obligation basis," meaning that funding for the project is budgeted at the time of award. The projects are funded through current and future anticipated bonds, loans, or grants. The total appropriation request for the Capital Improvements Bond Fund is \$348,037,200, unchanged from the initial budget request. The net zero changes in appropriation are due to changes in the project schedules and cost estimates.

Construction Fund

The Construction Fund, which finances smaller construction projects on a pay-as-you-go basis, increased by \$597,500, or 1.8 percent, from the 2017 Executive Director's Recommendations. Funding is being added with no changes to the property tax levies or user fees and is based on the timing and equipment delivery for projects within the water reclamation plants as well as the addition of several priority projects. Major projects added during the amendment process include furnish, deliver, and install an odor monitoring system at the Stickney WRP, furnish, deliver, and install new boilers in the Calumet Service Area, and a project for digester gas utilization at the Calumet WRP.

CHICAGO, November 17, 2016

REPORT OF COMMITTEE ON BUDGET AND EMPLOYMENT

Presented to the Board of Commissioners of the
Metropolitan Water Reclamation District of Greater Chicago

*To the Honorable, President and Members of the Board of
Commissioners of the Metropolitan Water Reclamation District
of Greater Chicago*

LADIES AND GENTLEMEN:

Your Chairman of the Committee on Budget and Employment respectfully reports that she has under consideration the resources of the Metropolitan Water Reclamation District of Greater Chicago and its estimated receipts, together with the sum of money required to be appropriated to defray the necessary expenses and liabilities of the Metropolitan Water Reclamation District of Greater Chicago for the fiscal year beginning January 1, 2017 and ending December 31, 2017, as prepared and submitted by the Executive Director in the document entitled "2017 Budget – Executive Director's Recommendations – October 11, 2016," which document is incorporated by reference herein, made a part hereof and attached hereto.

Your Chairman of the Committee on Budget and Employment has duly considered and reviewed the above budget estimates and revised and amended the same, in certain particulars, which estimates, as amended, were and are approved by your Chairman of the Committee on Budget and Employment and are submitted herewith in final revised form, setting forth the details of the estimates of the resources, revenues and expenditures for the future consideration, review, adoption, and passage by the Board of Commissioners. Your Chairman of the Committee on Budget and Employment further reports that in the consideration and revision of the estimated resources and departmental expenditures, it has received, considered, and transmits them herewith for the guidance of the Board of Commissioners and for public information. The budget estimates are prepared and made up of the following three parts:

- a. General Budget summary setting forth the aggregate figures of the budget in such manner as to show the balanced relations between the total proposed expenditures and the total anticipated revenues and other means of financing the budget for the fiscal year ending December 31, 2017, contrasted with the actual receipts and disbursement figures for the preceding year and the estimated figures for the current year. The budget of the Corporate Fund, Construction Fund, Capital Improvements Bond Fund, and Stormwater Management Fund has been planned and balanced with receipts on an actual cash basis and expenditures on an accrual basis pursuant to Statutes,
- b. The several estimates, statements and other detail, and the complete financial plan for the budget year, set forth as required in Section 5.3 of the Metropolitan Water Reclamation District Act (Chap. 70, Sec. 2605/5.3, Illinois Compiled Statutes),

- c. Complete draft of the Appropriation Ordinances and Tax Levy Ordinances required to give legal sanction to the appropriation when approved and adopted by the Board of Commissioners of the Metropolitan Water Reclamation District of Greater Chicago.

Your Chairman of the Committee on Budget and Employment further reports that she has prepared and herewith transmits a draft of Ordinances to be adopted and passed by the Board of Commissioners entitled:

"Annual Appropriation Ordinance of the Metropolitan Water Reclamation District of Greater Chicago for the fiscal year beginning January 1, 2017 and ending December 31, 2017";

and

"An Ordinance for the Levy of Taxes for the fiscal year beginning January 1, 2017 and ending December 31, 2017, upon all taxable property within the territorial limits of the Metropolitan Water Reclamation District of Greater Chicago as said territorial limits exist on January 1, 2017, for the purpose of providing revenues for the Metropolitan Water Reclamation District Retirement Fund and Corporate Fund";

and

"An Ordinance for the Levy of Taxes for the fiscal year beginning January 1, 2017 and ending December 31, 2017, upon all taxable property within the territorial limits of the Metropolitan Water Reclamation District of Greater Chicago as said territorial limits exist on January 1, 2017, for the purpose of providing revenues for the Construction Fund";

and

"An Ordinance for the Levy of Taxes for the fiscal year beginning January 1, 2017 and ending December 31, 2017, to pay the interest on outstanding Bonds and to discharge the principal thereof";

and

"An Ordinance for the Levy of Taxes for the fiscal year beginning January 1, 2017 and ending December 31, 2017, upon all taxable property within the territorial limits of the Metropolitan Water Reclamation District of Greater Chicago

as said territorial limits exist on January 1, 2017, for the purpose of providing revenues for the Reserve Claim Fund”;

and

“An Ordinance for the Levy of Taxes for the fiscal year beginning January 1, 2017 and ending December 31, 2017, upon all taxable property within the territorial limits of the Metropolitan Water Reclamation District of Greater Chicago as said territorial limits exist on January 1, 2017, for the purpose of providing revenues for the Stormwater Management Fund”;

Your Chairman of the Committee on Budget and Employment also recommends the passage of the following Orders:

Ordered: That the foregoing report and budget estimates as transmitted by the Chairman of the Committee on Budget and Employment, and the following Ordinances submitted with said report, which have not been adopted be and the same are hereby received for the consideration, adoption and passage by the Board of Commissioners of the Metropolitan Water Reclamation District of Greater Chicago:

“Annual Appropriation Ordinance of the Metropolitan Water Reclamation District of Greater Chicago for the fiscal year beginning January 1, 2017 and ending December 31, 2017”;

and

“An Ordinance for the Levy of Taxes for the fiscal year beginning January 1, 2017 and ending December 31, 2017 upon all taxable property within the territorial limits of the Metropolitan Water Reclamation District of Greater Chicago as said territorial limits exist on January 1, 2017, for the purpose of providing revenues for the Metropolitan Water Reclamation District Retirement Fund and Corporate Fund”;

and

“An Ordinance for the Levy of Taxes for the fiscal year beginning January 1, 2017 and ending December 31, 2017, upon all taxable property within the territorial limits of the Metropolitan Water Reclamation District of Greater Chicago as said territorial limits exist on January 1, 2017, for the purpose of providing revenues for the Construction Fund”;

and

“An Ordinance for the Levy of Taxes for the fiscal year beginning January 1, 2017 and ending December 31, 2017, to pay the interest on outstanding Bonds and to discharge the principal thereof”;

and

Approved as to Form and Legality:

Helen Shields-Wright

Head Assistant Attorney

Ronald M. Hill

General Counsel

“An Ordinance for the Levy of Taxes for the fiscal year beginning January 1, 2017 and ending December 31, 2017, upon all taxable property within the territorial limits of the Metropolitan Water Reclamation District of Greater Chicago as said territorial limits exist on January 1, 2017, for the purpose of providing revenues for the Reserve Claim Fund”;

and

“An Ordinance for the Levy of Taxes for the fiscal year beginning January 1, 2017 and ending December 31, 2017, upon all taxable property within the territorial limits of the Metropolitan Water Reclamation District of Greater Chicago as said territorial limits exist on January 1, 2017, for the purpose of providing revenues for the Stormwater Management Fund”;

and it is further

Ordered: That upon the adoption and passage of the Appropriation Ordinance and the above mentioned Tax Levy Ordinances, the report of your Chairman of the Committee on Budget and Employment, together with the complete budget and statements of the assets, the estimated resources and the revenues of the Metropolitan Water Reclamation District of Greater Chicago for the fiscal year 2017 and the Ordinances listed above which are required to give legal sanction to the appropriations when adopted and passed by the Board of Commissioners, the vote shall be entered in the Proceedings of the Board of Commissioners and the ordinances, report, budget and statements shall be printed in book form for easy reference and examination, and for controlling the expenditures by the Board of Commissioners during the fiscal year beginning January 1, 2017 and ending December 31, 2017;

and it is further

Ordered: That the report of your Chairman of the Committee on Budget and Employment and the Appropriation Ordinances of the Metropolitan Water Reclamation District of Greater Chicago for the year 2017 and the Tax Levy Ordinances listed above which are required to give legal sanction to the appropriation when adopted and passed by the Board of Commissioners together with the summary of estimated revenues and estimated expenditures for the year beginning January 1, 2017 and ending December 31, 2017, shall be published once before January 20, 2017, in a newspaper having general circulation within the territorial limits of the Metropolitan Water Reclamation District of Greater Chicago;

and it is further

Ordered: That the Clerk of the Metropolitan Water Reclamation District of Greater Chicago is hereby authorized and directed to carry out the aforementioned orders and to incur the necessary expenses thereof.

Respectfully submitted,

Kari K. Stule

Chairman,
Committee on Budget and Employment

COMPARATIVE STATEMENT OF APPROPRIATIONS AND TAX LEVIES 2017-2015 ALL FUNDS

APPROPRIATIONS	2017 **	2016 AS PASSED	2016 AS ADJUSTED *	2015 ACTUAL
FUND				
Corporate Fund	\$ 367,062,000	\$ 366,260,700	\$ 366,260,700	\$ 358,995,400
Construction Fund	34,450,400	36,614,400	36,614,400	37,910,700
Capital Improvements Bond Fund ***	348,037,200	483,764,800	483,764,800	453,072,500
Stormwater Management Fund	44,997,100	40,500,800	40,500,800	46,588,800
Retirement Fund	79,505,000	70,772,000	70,772,000	61,654,000
Reserve Claim Fund	30,617,100	30,175,900	30,175,900	30,700,000
Bond Redemption & Interest Fund	227,761,075	216,047,130	216,047,130	214,525,801
TOTAL	\$ 1,132,429,875	\$ 1,244,135,730	\$ 1,244,135,730	\$ 1,203,447,201
LEVIES				
Corporate Fund	\$ 223,946,065	\$ 226,109,300	\$ 226,109,300	\$ 227,659,785
Construction Fund	17,000,000	16,600,000	13,278,297	15,196,952
Stormwater Management Fund	40,856,008	34,250,000	34,250,000	24,050,000
Retirement Fund	73,438,135	65,161,200	65,161,200	58,004,000
Reserve Claim Fund	5,900,000	5,800,000	5,800,000	5,700,000
Subtotal	\$ 361,140,208	\$ 347,920,500	\$ 344,598,797	\$ 330,610,737
Bond Redemption & Interest Fund:				
Capital Improvement Bonds - Series:				
July 2006 Limited Tax	\$ -	\$ -	\$ -	\$ 16,469,690
July 2016 Q E C B	165,804	-	165,805	-
August 2009 Limited Tax	35,564,767	35,564,767	35,564,767	35,564,767
July 2011 Limited Tax Series A	41,406,315	20,230,925	20,230,925	13,894,139
July 2011 Limited Tax Series B	-	-	-	5,646,431
July 2011 Unlimited Tax Series C	3,981,898	7,622,520	7,622,520	13,205,421
2014 Unlimited Tax Series A	5,181,348	5,181,347	5,181,347	5,181,347
2014 Alt Rev Unlimited Tax Series B ****	3,389,171	3,387,824	3,387,824	3,391,347
Alternate Revenue Abatement ****	-	-	-	(3,391,347)
December 2014 Limited Tax Series C	3,240,156	15,540,933	15,540,933	5,052,021
2016 Alt Rev Unlimited Tax Series E ****	2,590,674	-	2,590,674	-
June 2016 Unlimited Tax Series C	1,554,405	-	1,554,404	-
June 2016 Limited Tax Series D	1,036,270	-	1,036,269	-
State Revolving Fund Bonds - Series: Various	72,765,937	70,482,161	72,078,023	69,284,259
Refunding Bonds - Series:				
May 2006 Unlimited Tax	-	17,958,549	-	17,958,550
May 2006 Limited Tax	-	2,631,607	-	2,631,607
March 2007 Unlimited Tax A	26,509,845	25,279,534	25,279,534	29,061,140
March 2007 Unlimited Tax B	4,996,749	4,996,749	4,996,749	4,996,749
March 2007 Limited Tax C	5,541,607	5,541,606	5,541,607	5,541,607
December 2014 Limited Tax Series D	9,264,767	15,494,041	15,494,042	-
June 2016 Unlimited Tax Series A	14,555,959	-	14,555,959	-
June 2016 Limited Tax Series B	2,141,451	-	2,141,451	-
Subtotal Bond Redemption & Interest Fund	\$ 233,887,123	\$ 229,912,563	\$ 232,962,833	\$ 224,487,728
TOTAL	\$ 595,027,331	\$ 577,833,063	\$ 577,561,630	\$ 555,098,465
Abatement after the budget year ****	(5,979,845)		(5,978,498)	
Total (after planned abatement)	\$ 589,047,486		\$ 571,583,132	

NOTES: * As Adjusted reflects the 2015 Equalized Assessed Valuation (EAV) (\$130,304,803,798) estimated to increase 3.0 percent, plus any subsequent supplemental levies and/or appropriations.

** 2017 reflects an estimated 3.0 percent increase in the EAV from the 2016 estimate.

*** Prior year obligations for the Capital Improvements Bond Fund are included in the Appropriation for Liabilities.

**** As part of the plan of financing, it is intended and anticipated that tax revenues deposited in the Stormwater Fund be transferred to the Bond Fund and used to abate taxes levied for this issue.

COMPARATIVE STATEMENT OF TAX RATES 2017-2015 ALL FUNDS

Per \$100 in Equalized Assessed Valuation (EAV)

FUND		2017 **	2016 AS PASSED	2016 AS ADJUSTED *	2015 ACTUAL
	tax rate limit				
Corporate Fund	41 ¢	16.20 ¢	16.87 ¢	16.85 ¢	17.47 ¢
Construction Fund	10 ¢	1.23	1.24	0.99	1.17
Stormwater Management Fund	5 ¢	2.96	2.56	2.55	1.85
Retirement Fund		5.31	4.86	4.86	4.45
Reserve Claim Fund	½ ¢	0.43	0.43	0.43	0.44
Subtotal		26.13 ¢	25.96 ¢	25.68 ¢	25.38 ¢
Bond Redemption & Interest Fund:					
Capital Improvement Bonds - Series:					
July 2006 Limited Tax		- ¢	- ¢	- ¢	1.26 ¢
July 2016 Q E C B		0.01	-	0.01	-
August 2009 Limited Tax		2.57	2.65	2.65	2.73
July 2011 Limited Tax Series A		3.00	1.51	1.51	1.07
July 2011 Limited Tax Series B		-	-	-	0.43
July 2011 Unlimited Tax Series C		0.29	0.57	0.57	1.01
December 2014 Unlimited Tax Series A		0.37	0.39	0.39	0.40
2014 Alt Rev Unlimited Tax Series B ***		0.25	0.57	0.25	0.26
Alternate Revenue Abatement ***		-	-	-	(0.26)
December 2014 Limited Tax Series C		0.23	0.39	1.16	0.39
2016 Alt Rev Unlimited Tax Series E ***		0.19	-	0.19	-
June 2016 Unlimited Tax Series C		0.11	-	0.12	-
June 2016 Limited Tax Series D		0.07	-	0.08	-
State Revolving Fund Bonds - Series:					
Various		5.26	5.26	5.37	5.32
Refunding Bonds - Series:					
May 2006 Unlimited Tax		-	1.34	-	1.38
May 2006 Limited Tax		-	0.20	-	0.20
March 2007 Unlimited Tax Series A		1.92	1.89	1.88	2.23
March 2007 Unlimited Tax Series B		0.36	0.37	0.37	0.38
March 2007 Limited Tax Series C		0.40	0.41	0.41	0.43
December 2014 Limited Tax D		0.67	1.16	1.15	-
June 2016 Unlimited Tax Series A		1.05	-	1.08	-
June 2016 Limited Tax B		0.15	-	0.16	-
Subtotal Bond Redemption & Interest Fund		16.90 ¢	16.71 ¢	17.35 ¢	17.23 ¢
TOTAL		43.03 ¢	42.67 ¢	43.03 ¢	42.61 ¢

NOTES: * As Adjusted reflects the 2015 EAV (\$130,304,803,798) estimated to increase 3.0 percent, plus any subsequent supplemental levies and/or appropriations.

** 2017 reflects an estimated 3.0 percent increase in the EAV from the 2016 estimate.

*** As part of the plan of financing, it is intended and anticipated that tax revenues deposited in the Stormwater Fund be transferred to the Bond Fund and used to abate taxes levied for this issue.

**ACCOUNT SUMMARY COMPARISON
2017 - 2016 ALL FUNDS**

ORGANIZATION OR FUND	Account Appropriation		Increase (Decrease) 2017 - 2016	
	2017	2016*	Dollars	Percent
Board of Commissioners	\$ 4,510,800	\$ 4,407,800	\$ 103,000	2.3
General Administration	18,545,300	16,819,300	1,726,000	10.3
Monitoring & Research	31,030,400	30,523,200	507,200	1.7
Procurement & Materials Management	9,534,000	8,777,400	756,600	8.6
Human Resources	59,032,300	60,816,800	(1,784,500)	(2.9)
Information Technology	17,283,200	17,448,600	(165,400)	(0.9)
Law	8,375,300	7,972,600	402,700	5.1
Finance	3,655,900	3,696,300	(40,400)	(1.1)
Maintenance & Operations:				
General Division	26,668,400	23,111,200	3,557,200	15.4
North Service Area	41,660,300	43,830,100	(2,169,800)	(5.0)
Calumet Service Area	37,172,700	38,039,500	(866,800)	(2.3)
Stickney Service Area	81,004,400	82,745,000	(1,740,600)	(2.1)
TOTAL Maintenance & Operations	\$ 186,505,800	\$ 187,725,800	\$ (1,220,000)	(0.6)
Engineering	28,589,000	28,072,900	516,100	1.8
TOTAL Corporate Fund	\$ 367,062,000	\$ 366,260,700	\$ 801,300	0.2
Construction Fund	34,450,400	36,614,400	(2,164,000)	(5.9)
Capital Improvements Bond Fund	348,037,200	483,764,800	(135,727,600)	(28.1)
TOTAL Capital Budget	\$ 382,487,600	\$ 520,379,200	\$ (137,891,600)	(26.5)
Stormwater Management Fund	44,997,100	40,500,800	4,496,300	11.1
Bond Redemption & Interest Fund	227,761,075	216,047,130	11,713,945	5.4
Retirement Fund	79,505,000	70,772,000	8,733,000	12.3
Reserve Claim Fund	30,617,100	30,175,900	441,200	1.5
GRAND TOTAL	<u>\$1,132,429,875</u>	<u>\$1,244,135,730</u>	<u>\$ (111,705,855)</u>	(9.0)

*Adjusted Appropriation

**ALL FUNDS
SUMMARY OF REVENUE AND EXPENDITURES
2017 BUDGETED**

(In Thousands)

	FUND							
	CORPORATE	CAPITAL IMPROVEMENTS BOND*	CONSTRUCTION	STORMWATER MANAGEMENT	RETIREMENT	BOND REDEMPTION & INTEREST	RESERVE CLAIM	TOTAL
REVENUE								
Net Assets Appropriable	\$ 135,931.3	\$ (617,850.8)	\$ 10,405.4	\$ 6,197.1	\$ 79,505.0	\$ 221,591.8	\$ 30,417.1	\$ (133,803.1)
Budget Reserve	(90,962.3)	-	-	-	-	-	-	(90,962.3)
Net Property Taxes	216,108.0	-	16,405.0	39,426.0	-	-	-	271,939.0
Personal Property Replacement Tax	18,164.0	-	-	-	-	-	-	18,164.0
Working Cash Borrowings Adjustment	(4,272.0)	-	(205.0)	(626.0)	-	-	-	(5,103.0)
Bond Sales (Present & Future)	-	784,752.9	-	-	-	-	-	784,752.9
Grants (Federal & State)	-	11,135.1	-	-	-	-	-	11,135.1
Investment Income	600.0	3,000.0	100.0	-	-	400.0	200.0	4,300.0
State Revolving Fund Loans	-	180,000.0	-	-	-	-	-	180,000.0
Property & Services	19,900.0	-	-	-	-	-	-	19,900.0
User Charge	47,000.0	-	-	-	-	-	-	47,000.0
TIF Differential Fee & Impact Fee	11,025.0	-	745.0	-	-	-	-	11,770.0
Equity Transfer	6,000.0	(13,000.0)	7,000	-	-	5,769.3	-	5,769.3
Resource Recovery	4,000.0	-	-	-	-	-	-	4,000.0
Miscellaneous	3,568.0	-	-	-	-	-	-	3,568.0
TOTAL REVENUE	\$ 367,062.0	\$ 348,037.2	\$ 34,450.4	\$ 44,997.1	\$ 79,505.0	\$ 227,761.1	\$ 30,617.1	\$ 1,132,429.9
EXPENDITURES								
Board of Commissioners	\$ 4,510.8	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,510.8
General Administration	18,545.3	-	-	-	-	-	-	18,545.3
Monitoring & Research	31,030.4	-	-	-	-	-	-	31,030.4
Procurement & Materials Mgmt.	9,534.0	-	-	-	-	-	-	9,534.0
Human Resources	59,032.3	-	-	-	-	-	-	59,032.3
Information Technology	17,283.2	-	-	-	-	-	-	17,283.2
Law	8,375.3	-	-	-	-	-	-	8,375.3
Finance	3,655.9	-	-	-	-	-	-	3,655.9
Engineering	28,589.0	348,037.2	34,450.4	-	-	-	-	411,076.6
Maintenance & Operations	186,505.8	-	-	-	-	-	-	186,505.8
Stormwater Management Fund	-	-	-	39,227.8	-	-	-	39,227.8
Retirement Fund	-	-	-	-	79,505.0	-	-	79,505.0
Bond Redemption & Interest Fund	-	-	-	-	-	227,761.1	-	227,761.1
Reserve Claim Fund	-	-	-	-	-	-	30,617.1	30,617.1
Equity Transfer	-	-	-	5,769.3	-	-	-	5,769.3
TOTAL EXPENDITURES	\$ 367,062.0	\$ 348,037.2	\$ 34,450.4	\$ 44,997.1	\$ 79,505.0	\$ 227,761.1	\$ 30,617.1	\$ 1,132,429.9

* The Capital Improvements Bond Fund is budgeted on an "obligation" basis, which records expenditures in the period in which the contracts or grants are awarded.

**ALL FUNDS
SUMMARY OF REVENUE AND EXPENDITURES
2016 ESTIMATED**

(In Thousands)

	FUND							
	CORPORATE	CAPITAL IMPROVEMENTS BOND*	CONSTRUCTION	STORMWATER MANAGEMENT	RETIREMENT	BOND REDEMPTION & INTEREST	RESERVE CLAIM	TOTAL
REVENUE								
Net Assets Appropriable	\$ 145,889.3	\$ (609,914.9)	\$ 16,341.7	\$ 9,371.5	\$ 70,772.0	\$ 210,648.9	\$ 29,905.5	\$ (126,986.0)
Adjustment for Receipts	4,305.6	-	791.4	304.0	-	-	-	5,401.0
Net Property Taxes	218,195.5	-	16,019.0	33,051.3	-	-	-	267,265.8
Personal Property Replacement Tax	24,676.0	-	1,100.0	-	-	-	-	25,776.0
Working Cash Borrowings Adjustment	(4,671.5)	-	(319.0)	(551.2)	-	-	-	(5,541.7)
Bond Sales (Present & Future)	-	125,003.5	-	-	-	-	-	125,003.5
Grants (Federal & State)	-	11,195.2	-	-	-	-	-	11,195.2
Investment Income	793.0	1,905.0	156.8	99.0	-	1,020.0	283.0	4,256.8
State Revolving Fund Loans	-	98,982.0	-	-	-	-	-	98,982.0
Property & Services	21,180.8	-	-	-	-	-	-	21,180.8
User Charge	47,500.0	-	-	-	-	-	-	47,500.0
TIF Differential Fee & Impact Fee	8,380.3	-	745.0	-	-	-	-	9,125.3
Equity Transfer	-	-	-	-	-	3,272.7	-	3,272.7
Miscellaneous	4,145.1	2,223.4	43.9	-	-	-	-	6,412.4
TOTAL REVENUE	\$ 470,394.1	\$ (370,605.8)	\$ 34,878.8	\$ 42,274.6	\$ 70,772.0	\$ 214,941.6	\$ 30,188.5	\$ 492,843.8
EXPENDITURES								
Board of Commissioners	\$ 4,204.1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,204.1
General Administration	15,452.6	-	-	-	-	-	-	15,452.6
Monitoring & Research	27,592.1	-	-	-	-	-	-	27,592.1
Procurement & Materials Mgmt.	8,650.0	-	-	-	-	-	-	8,650.0
Human Resources	58,772.3	-	-	-	-	-	-	58,772.3
Information Technology	14,055.6	-	-	-	-	-	-	14,055.6
Law	6,751.5	-	-	-	-	-	-	6,751.5
Finance	3,475.0	-	-	-	-	-	-	3,475.0
Engineering	25,551.2	247,245.0	24,473.4	-	-	-	-	297,269.6
Maintenance & Operations	169,958.4	-	-	-	-	-	-	169,958.4
Stormwater Management Fund	-	-	-	32,804.8	-	-	-	32,804.8
Retirement Fund	-	-	-	-	70,772.0	-	-	70,772.0
Bond Redemption & Interest Fund	-	-	-	-	-	214,941.6	-	214,941.6
Reserve Claim Fund	-	-	-	-	-	-	5,398.2	5,398.2
Equity Transfer	-	-	-	3,272.7	-	-	-	3,272.7
TOTAL EXPENDITURES	\$ 334,462.8	\$ 247,245.0	\$ 24,473.4	\$ 36,077.5	\$ 70,772.0	\$ 214,941.6	\$ 5,398.2	\$ 933,370.5

* The Capital Improvements Bond Fund is budgeted on an "obligation" basis, which records expenditures in the period in which the contracts or grants are awarded.

CORPORATE FUND
ESTIMATED BALANCE SHEET
JANUARY 1, 2017 AND 2016

	ASSETS			
	2017		2016	
	AMOUNT	AVAILABLE FOR APPROPRIATION	AMOUNT	AVAILABLE FOR APPROPRIATION
CURRENT ASSETS				
Cash & Investments	\$ 100,200,000	\$ 100,200,000	\$ 129,640,100	\$ 129,640,100
Taxes Receivable	218,195,475	218,828,128	219,244,140	219,815,255
Replacement Tax	20,275,500	20,275,500	27,101,600	27,101,600
Due from Other Funds	-	-	200,000	200,000
Total Current Assets	\$ 338,670,975	\$ 339,303,628	\$ 376,185,840	\$ 376,756,955
LIABILITIES & FUND EQUITY				
CURRENT LIABILITIES				
Unpaid Bills:				
Accrued Salaries & Wages	\$ 2,827,328	\$ 2,827,328	\$ 3,900,000	\$ 3,900,000
Personal Services - Other	-	-	-	-
Payroll Withholding & Miscellaneous	2,500,000	2,500,000	3,000,000	3,000,000
Contractual Services	18,045,000	18,045,000	26,528,000	26,528,000
Materials & Supplies	-	-	-	-
Machinery & Equipment	-	-	-	-
Due to Corporate Working Cash Fund	180,000,000	180,000,000	190,000,000	190,000,000
Total Current Liabilities	\$ 203,372,328	\$ 203,372,328	\$ 223,428,000	\$ 223,428,000
Total Liabilities & Designations		\$ 203,372,328		\$ 223,428,000
ASSETS APPROPRIABLE FOR 2017 & 2016				
Net Assets Appropriable		\$ 135,931,300		\$ 153,328,955
Budget Reserve		\$ (90,962,300)		\$ (100,081,255)
Net Assets Appropriated		\$ 44,969,000		\$ 53,247,700
Equity Transfer		6,000,000		-
Estimated Revenue		316,093,000		313,013,000
Total Assets Appropriable		\$ 367,062,000		\$ 366,260,700
FUND EQUITY				
Undesignated	\$ 135,298,647		\$ 152,757,840	
Total Fund Equity	\$ 135,298,647		\$ 152,757,840	
Total Liabilities & Fund Equity	\$ 338,670,975		\$ 376,185,840	

CORPORATE FUND
APPROPRIABLE REVENUE
2017 - 2014

REVENUE DESCRIPTION	ESTIMATED			ACTUAL	
	2017 BUDGET	2016 ADJUSTED	2016 BUDGET	2015	2014
Revenue from Property Taxes					
Gross Tax Levy	\$ 223,946,065	\$ 226,109,300	\$ 226,109,300	\$ 227,196,000	\$ 230,000,000
Less Allowance for Uncollectible Taxes	(7,838,112)	(7,913,826)	(7,913,826)	(7,951,860)	(8,050,000)
Net Property Taxes	\$ 216,107,953	\$ 218,195,474	\$ 218,195,474	\$ 219,244,140	\$ 221,950,000
Revenue from Personal Property					
Replacement Tax	\$ 18,164,000	\$ 24,676,000	\$ 24,676,000	\$ 20,101,600	\$ 18,608,149
Net Tax Sources	\$ 234,271,953	\$ 242,871,474	\$ 242,871,474	\$ 239,345,740	\$ 240,558,149
Adjustment to match working cash borrowings	(4,271,953)	(4,671,474)	(4,671,474)	(4,445,740)	(4,358,149)
Working Cash Financing at 95% of Gross Tax Sources	\$ 230,000,000	\$ 238,200,000	\$ 238,200,000	\$ 234,900,000	\$ 236,200,000
Investment Income	\$ 600,000	\$ 793,000	\$ 600,000	\$ 1,003,361	\$ 2,030,933
Land Rentals	19,000,000	18,800,000	17,500,000	18,731,872	16,933,079
Sewer Permit Fees	900,000	1,099,787	750,000	1,078,886	940,228
Sewer Service Agreement Revenue	1,500,000	1,600,000	1,400,000	1,507,667	1,443,450
User Charge	47,000,000	47,500,000	49,000,000	48,176,512	44,664,848
Resource Recovery	4,000,000	-	-	-	-
Lockport Electricity Generation	1,000,000	1,165,000	1,000,000	1,236,698	1,395,547
Miscellaneous (details below)	12,093,000	11,041,424	4,563,000	12,624,456	7,642,040
Subtotal	\$ 86,093,000	\$ 81,999,211	\$ 74,813,000	\$ 84,359,452	\$ 75,050,125
Adjustment to Net Assets Available for Projected Receipts	-	4,305,586	-	17,607,678	9,432,662
Equity Transfer	6,000,000	-	-	-	-
GRAND TOTAL	\$ 322,093,000	\$ 324,504,797	\$ 313,013,000	\$ 336,867,130	\$ 320,682,787
Components of Miscellaneous					
TIF Surplus Distribution	\$ 10,800,000	\$ 8,155,324	\$ 2,020,000	\$ 5,943,460	\$ 4,170,246
TIF Differential Fee	225,000	225,000	225,000	225,000	225,000
Land Sales	-	1,281,000	1,250,000	3,164,016	8,031
Claims & Damage Settlements	-	-	-	55,090	125,729
Water Sales	-	-	-	3,357	13,821
Scrap Sales	50,000	60,000	50,000	137,817	97,907
Sales of Automobiles	15,000	17,000	15,000	72,855	107,554
Interest on Taxes - Cook County Treasurer	3,000	3,100	3,000	3,637	5,425
Other	1,000,000	1,300,000	1,000,000	3,019,224	2,888,327
Total	\$ 12,093,000	\$ 11,041,424	\$ 4,563,000	\$ 12,624,456	\$ 7,642,040

**CONSTRUCTION FUND
ESTIMATED BALANCE SHEET
JANUARY 1, 2017 AND 2016**

		<u>ASSETS</u>			
		<u>2017</u>		<u>2016</u>	
<u>CURRENT ASSETS</u>		AMOUNT	AVAILABLE FOR APPROPRIATION	AMOUNT	AVAILABLE FOR APPROPRIATION
Cash & Investments	\$	9,793,360	9,793,360	\$ 20,171,355	\$ 20,171,355
Taxes Receivable		16,019,000	16,071,140	15,922,500	16,051,145
Replacement Tax		-	-	-	-
Total Current Assets	\$	25,812,360	25,864,500	\$ 36,093,855	\$ 36,222,500
 <u>LIABILITIES & FUND EQUITY</u>					
CURRENT LIABILITIES					
Unpaid Bills:					
Contracts Payable	\$	3,162,000	3,162,000	\$ 4,507,955	\$ 4,507,955
Contractual Services		-	-	400,145	400,145
Machinery & Equipment		297,100	297,100	-	-
Due to:					
Construction Working Cash Fund		12,000,000	12,000,000	12,000,000	12,000,000
Total Current Liabilities	\$	15,459,100	15,459,100	\$ 16,908,100	\$ 16,908,100
Designated for Future Claims Liabilities		-	-	-	-
Total Current Liabilities and Designations		15,459,100	15,459,100	\$ 16,908,100	\$ 16,908,100
 <u>ASSETS APPROPRIABLE FOR 2017 AND 2016</u>					
Net Assets Appropriable		-	10,405,400	-	19,314,400
Net Assets Appropriated		-	10,405,400	-	19,314,400
Equity Transfer		-	7,000,000	-	-
Estimated Revenue		-	17,045,000	-	17,745,000
Total Assets Appropriable	\$	34,450,400	34,450,400	\$ 37,059,400	\$ 37,059,400
 <u>FUND EQUITY</u>					
Designated for Future Claims Liabilities	\$	-	-	-	-
Undesignated		10,353,260	-	19,185,755	-
Total Fund Equity	\$	10,353,260	10,353,260	\$ 19,185,755	\$ 19,185,755
Total Liabilities & Fund Equity	\$	25,812,360	25,812,360	\$ 36,093,855	\$ 36,093,855

101 11000 - 69000	Fund: Corporate Department: All Division:	LINE ITEM ANALYSIS						
		2015	2016				2017	
		Expenditure	Original Appropriation	Adjusted Appropriation 09/30/16	Expenditure (Committed Budget plus Disbursement) 09/30/16	Estimated Expenditure 12/31/16	Proposed by Executive Director	Recommended by Committee on Budget and Employment
Account Number	Account Name							
601010	Salaries of Regular Employees	\$170,331,670	\$183,289,100	\$183,257,600	\$124,034,715	\$170,279,500	\$184,577,700	\$184,577,700
601060	Compensation Plan Adjustments	7,581,243	7,404,200	7,425,700	5,242,078	6,535,700	7,651,300	7,651,300
601070	Social Security and Medicare Contributions	2,631,404	2,610,500	2,610,500	1,849,196	2,533,300	2,619,100	2,619,100
601080	Salaries of Nonbudgeted Employees	60,568	23,400	23,400	1,544	1,600	39,300	39,300
601090	Employee Claims	37,475	47,900	47,900	32,879	47,900	60,200	60,200
601100	Tuition and Training Payments	996,634	1,180,200	1,190,200	637,056	891,900	1,319,300	1,319,300
601170	Payments for Professional Services	4,211,238	-	-	-	-	-	-
601250	Health and Life Insurance Premiums	44,187,178	48,226,600	48,226,600	31,943,120	46,848,200	46,705,100	46,705,100
601270	General Salary Adjustments	-	-	-	-	-	1,233,100	1,233,100
601300	Personal Services, N.O.C.	349,477	518,800	518,800	358,470	518,800	678,800	678,800
601410	Personal Services Exp for Prelim Engineering Rpts and Studies	100,001	-	-	-	-	-	-
100	TOTAL PERSONAL SERVICES	230,486,886	243,300,700	243,300,700	164,099,058	227,656,900	244,883,900	244,883,900
612010	Travel	51,577	124,100	124,100	40,932	93,300	100,200	100,200
612030	Meals and Lodging	135,757	210,800	222,800	89,826	174,900	190,500	190,500
612040	Postage, Freight, and Delivery Charges	92,981	127,900	128,900	93,444	118,400	104,300	104,300
612050	Compensation for Personally-Owned Automobiles	245,921	267,000	267,000	156,879	219,500	207,300	207,300
612080	Motor Vehicle Operating Services	65,335	81,200	81,200	71,390	54,500	86,900	86,900
612090	Reprographic Services	25,822	167,500	167,900	97,619	84,600	153,500	153,500
612150	Electrical Energy	35,218,954	36,603,400	36,603,400	22,737,811	35,820,800	37,141,000	36,812,000
612160	Natural Gas	1,988,511	2,863,200	2,863,200	1,457,309	2,832,900	2,824,800	2,802,500
612170	Water and Water Services	1,667,676	1,738,600	1,738,600	1,231,740	1,693,900	1,749,800	1,749,800
612210	Communication Services	1,552,791	1,954,900	2,125,900	2,092,225	1,916,900	2,030,100	2,030,100
612240	Testing and Inspection Services	182,692	181,400	181,400	126,188	141,000	170,200	170,200
612250	Court Reporting Services	55,548	103,400	103,400	96,799	86,400	94,000	94,000
612260	Medical Services	123,656	180,000	180,000	143,600	150,700	123,700	123,700
612280	Subscriptions and Membership Dues	542,620	572,300	772,300	651,936	771,400	813,800	813,800
612290	Insurance Premiums	3,129,261	3,500,600	3,500,600	3,342,876	3,500,600	3,500,600	3,500,600
612330	Rental Charges	462,643	567,400	567,400	473,972	508,900	541,600	541,600

101 11000 - 69000	Fund: Corporate Department: All Division:	LINE ITEM ANALYSIS						
		2015	2016				2017	
		Account Number	Account Name	Expenditure	Original Appropriation	Adjusted Appropriation 09/30/16	Expenditure (Committed Budget plus Disbursement) 09/30/16	Estimated Expenditure 12/31/16
612360	Advertising	143,809	137,000	137,000	123,677	137,000	143,000	143,000
612370	Administration Building Operation	933,188	1,120,500	1,120,500	1,096,785	1,050,000	1,118,900	1,118,900
612390	Administration Building Mc Pav Operation	655,270	750,000	750,000	733,536	699,500	738,800	738,800
612410	Governmental Service Charges	3,223,284	3,240,500	3,040,500	2,406,173	2,941,400	3,317,200	3,317,200
612420	Maintenance of Grounds and Pavements	1,540,133	1,049,900	1,049,900	884,846	851,000	923,300	968,300
612430	Payments for Professional Services	-	6,317,800	6,276,200	5,589,590	4,632,200	5,832,100	5,897,100
612440	Preliminary Engineering Reports and Studies	-	40,000	65,000	65,000	40,000	22,000	27,000
612490	Contractual Services, N.O.C.	1,236,501	2,044,800	1,988,400	1,435,178	1,571,200	1,431,500	1,690,500
612520	Waste Material Disposal Charges	10,355,660	10,659,800	10,659,800	10,498,154	9,421,800	11,000,000	10,955,000
612530	Farming Services	29,600	29,600	29,600	29,600	29,000	33,200	33,200
612590	Sludge Disposal	3,604,252	5,000,000	5,000,000	5,000,000	2,598,800	3,204,300	3,204,300
612600	Repairs to Collection Facilities	2,893,165	3,796,000	3,625,000	3,300,932	2,000,100	3,332,900	3,332,900
612620	Repairs to Waterway Facilities	24,614	98,300	118,300	75,267	70,600	93,200	93,200
612650	Repairs to Process Facilities	5,985,400	5,643,700	5,643,700	5,468,673	4,069,400	4,963,500	4,975,800
612670	Repairs to Railroads	263,900	478,700	478,700	476,333	345,000	302,600	302,600
612680	Repairs to Buildings	920,380	1,335,400	1,330,100	1,254,329	687,100	1,119,000	1,119,000
612760	Repairs to Material Handling and Farming Equipment	364,127	315,200	315,200	283,391	297,200	304,000	304,000
612780	Safety Repairs and Services	313,335	365,300	365,300	332,422	279,600	540,000	540,000
612790	Repairs to Marine Equipment	73,441	118,400	118,400	106,418	98,000	110,800	110,800
612800	Repairs to Office Furniture and Equipment	86,086	107,300	110,700	109,614	109,400	117,600	117,600
612810	Computer Equipment Maintenance	510,287	651,000	651,000	493,006	479,900	376,100	376,100
612820	Computer Software Maintenance	3,481,438	3,678,300	3,678,300	3,360,631	3,027,200	4,083,000	4,083,000
612840	Communications Equipment Maintenance (Includes Software)	668,071	820,800	820,800	793,565	778,700	814,200	814,200
612860	Repairs to Vehicle Equipment	525,444	559,500	559,500	557,115	542,900	645,700	645,700
612970	Repairs to Testing and Laboratory Equipment	392,281	448,100	448,100	399,810	403,500	420,900	420,900
612990	Repairs, N.O.C.	12,742	72,800	72,800	28,195	67,300	29,800	29,800
200	TOTAL CONTRACTUAL SERVICES	83,778,152	98,122,400	98,080,900	77,806,784	85,396,500	94,849,900	94,839,900
623030	Metals	133,836	165,000	170,200	108,468	158,800	185,000	185,000

101 11000 - 69000	Fund: Corporate Department: All Division:	LINE ITEM ANALYSIS						
		2015	2016				2017	
		Account Number	Account Name	Expenditure	Original Appropriation	Adjusted Appropriation 09/30/16	Expenditure (Committed Budget plus Disbursement) 09/30/16	Estimated Expenditure 12/31/16
623070	Electrical Parts and Supplies	1,567,336	1,749,600	1,909,600	1,794,896	1,748,100	2,167,000	2,167,000
623090	Plumbing Accessories and Supplies	823,437	1,055,200	1,052,000	943,112	1,025,000	1,064,400	1,064,400
623110	Hardware	75,117	83,600	118,600	100,391	116,200	122,000	122,000
623130	Buildings, Grounds, Paving Materials, and Supplies	243,846	316,300	446,700	341,889	413,600	540,000	542,500
623170	Fiber, Paper, and Insulation Materials	48,213	54,200	54,200	44,688	44,200	59,100	59,100
623190	Paints, Solvents, and Related Materials	44,029	52,000	62,000	53,307	57,900	62,000	62,000
623250	Vehicle Parts and Supplies	100,399	186,400	191,600	182,812	170,700	210,100	210,100
623270	Mechanical Repair Parts	2,226,203	2,264,000	2,104,000	1,869,281	1,516,200	2,448,000	2,448,000
623300	Manhole Materials	9,863	10,600	10,600	1,137	9,500	11,000	11,000
623520	Office, Printing, and Photo Supplies, Equipment, and Furniture	289,471	397,900	386,400	341,809	326,800	374,300	374,300
623530	Farming Supplies	27,843	29,700	42,800	30,265	41,700	39,000	39,000
623560	Processing Chemicals	7,472,970	12,448,900	12,438,400	12,396,816	10,586,400	13,734,200	13,734,200
623570	Laboratory Testing Supplies, Small Equipment, and Chemicals	924,364	956,400	991,300	935,067	990,500	964,600	964,600
623660	Cleaning Supplies	244,702	250,900	272,400	211,332	271,200	307,000	307,000
623680	Tools and Supplies	266,242	303,500	303,500	258,261	288,300	590,000	590,000
623700	Wearing Apparel	174,889	196,500	232,600	230,082	222,200	229,000	229,000
623720	Books, Maps, and Charts	23,860	37,300	35,300	26,093	28,900	25,100	25,100
623780	Safety and Medical Supplies	393,767	365,900	365,900	218,148	243,700	323,300	323,300
623800	Computer Software	164,611	256,700	267,400	145,296	91,000	339,400	339,400
623810	Computer Supplies	638,415	592,000	563,300	553,566	558,200	519,400	519,400
623820	Fuel	455,314	808,500	566,900	459,206	429,400	585,100	585,100
623840	Gases	70,822	53,000	67,500	66,329	66,600	70,000	70,000
623850	Communications Supplies	94,403	135,300	135,300	126,399	126,000	140,700	140,700
623860	Lubricants	253,016	265,200	283,900	179,376	279,300	265,000	265,000
623990	Materials and Supplies, N.O.C.	226,820	262,200	275,900	257,487	244,300	343,500	351,000
300	TOTAL MATERIALS AND SUPPLIES	16,993,786	23,296,800	23,348,300	21,875,513	20,054,700	25,718,200	25,728,200
634600	Equipment for Collection Facilities	80,936	50,000	50,000	46,477	42,500	50,000	50,000

101 11000 - 69000	Fund: Corporate Department: All Division:	LINE ITEM ANALYSIS						
		2015	2016			2017		
Account Number	Account Name	Expenditure	Original Appropriation	Adjusted Appropriation 09/30/16	Expenditure (Committed Budget plus Disbursement) 09/30/16	Estimated Expenditure 12/31/16	Proposed by Executive Director	Recommended by Committee on Budget and Employment
634650	Equipment for Process Facilities	140,237	161,000	161,000	134,650	123,300	100,000	100,000
634760	Material Handling and Farming Equipment	4,487	-	-	-	-	-	-
634810	Computer Equipment	24,770	20,000	20,000	19,259	19,500	45,000	45,000
634820	Computer Software	34,334	14,800	14,800	-	13,000	30,000	30,000
634840	Communications Equipment (Includes Software)	79,647	112,000	112,000	20,779	100,800	-	-
634860	Vehicle Equipment	-	7,000	7,000	5,597	5,600	10,000	10,000
634970	Testing and Laboratory Equipment	271,464	346,000	346,000	331,428	250,000	485,000	485,000
634990	Machinery and Equipment, N.O.C.	74,388	10,000	-	-	-	-	-
400	TOTAL MACHINERY AND EQUIPMENT	710,263	720,800	710,800	558,189	554,700	720,000	720,000
656010	Land	326,181	-	-	-	-	-	-
600	TOTAL LAND	326,181	-	-	-	-	-	-
667130	Taxes on Real Estate	742,686	820,000	820,000	789,941	800,000	890,000	890,000
700	TOTAL FIXED AND OTHER CHARGES	742,686	820,000	820,000	789,941	800,000	890,000	890,000
TOTAL CORPORATE FUNDS		\$333,037,954	\$366,260,700	\$366,260,700	\$265,129,485	\$334,462,800	\$367,062,000	\$367,062,000

NOTES: 1. Amounts may not add up due to rounding.
 2. Departmental appropriation totals for salaries in the Line Item Analysis may differ from those contained in the Position Analysis by a factor identified to adjust for vacancies. Additionally, Estimated Expenditure may either exceed Adjusted Appropriation when transfers of funds are anticipated or be less than Expenditure (Committed Budget plus Disbursement) when not all commitments are anticipated to be completed by year-end.
 3. Effective 01/01/2016, professional services previously included in Personal Services (accounts 601170, 601410, 601420, 601430, and 601440) were reclassified to Contractual Services (accounts 612430, 612440, 612450, 612460, and 612470 respectively).

101 11000	Fund: Corporate Department: Board of Commissioners Division:	LINE ITEM ANALYSIS						
		2015	2016			2017		
Account Number	Account Name	Expenditure	Original Appropriation	Adjusted Appropriation 09/30/16	Expenditure (Committed Budget plus Disbursement) 09/30/16	Estimated Expenditure 12/31/16	Proposed by Executive Director	Recommended by Committee on Budget and Employment
601010	Salaries of Regular Employees	\$ 3,161,070	\$ 3,633,800	\$ 3,623,800	\$ 2,507,446	\$ 3,450,200	\$ 3,635,800	\$ 3,635,800
601060	Compensation Plan Adjustments	14,469	28,700	28,700	12,665	28,700	34,400	34,400
601070	Social Security and Medicare Contributions	-	68,500	68,500	51,631	68,500	85,000	85,000
601100	Tuition and Training Payments	3,917	10,000	20,000	11,464	20,000	20,000	20,000
601170	Payments for Professional Services	179,558	-	-	-	-	-	-
601300	Personal Services, N.O.C.	247,024	288,000	288,000	198,648	288,000	428,000	428,000
100	TOTAL PERSONAL SERVICES	3,606,039	4,029,000	4,029,000	2,781,854	3,855,400	4,203,200	4,203,200
612010	Travel	5,880	10,000	10,000	4,611	10,000	10,000	10,000
612030	Meals and Lodging	12,236	15,000	27,000	3,915	27,000	20,000	20,000
612050	Compensation for Personally-Owned Automobiles	70	-	-	-	-	-	-
612280	Subscriptions and Membership Dues	30,899	35,000	35,000	35,000	35,000	36,100	36,100
612430	Payments for Professional Services	-	310,000	298,000	231,542	268,000	230,500	230,500
612490	Contractual Services, N.O.C.	-	700	700	435	700	1,000	1,000
200	TOTAL CONTRACTUAL SERVICES	49,085	370,700	370,700	275,504	340,700	297,600	297,600
623520	Office, Printing, and Photo Supplies, Equipment, and Furniture	4,926	8,000	8,000	4,009	8,000	10,000	10,000
623990	Materials and Supplies, N.O.C.	11	100	100	-	-	-	-
300	TOTAL MATERIALS AND SUPPLIES	4,937	8,100	8,100	4,009	8,000	10,000	10,000
TOTAL BOARD OF COMMISSIONERS		\$ 3,660,060	\$ 4,407,800	\$ 4,407,800	\$ 3,061,367	\$ 4,204,100	\$ 4,510,800	\$ 4,510,800

NOTES: 1. Amounts may not add up due to rounding.
 2. Departmental appropriation totals for salaries in the Line Item Analysis may differ from those contained in the Position Analysis by a factor identified to adjust for vacancies. Additionally, Estimated Expenditure may either exceed Adjusted Appropriation when transfers of funds are anticipated or be less than Expenditure (Committed Budget plus Disbursement) when not all commitments are anticipated to be completed by year-end.
 3. Effective 01/01/2016, professional services previously included in Personal Services (accounts 601170, 601410, 601420, 601430, and 601440) were reclassified to Contractual Services (accounts 612430, 612440, 612450, 612460, and 612470 respectively).

101 15000	Fund: Corporate Department: General Administration Division:	LINE ITEM ANALYSIS						
		2015	2016				2017	
Account Number	Account Name	Expenditure	Original Appropriation	Adjusted Appropriation 09/30/16	Expenditure (Committed Budget plus Disbursement) 09/30/16	Estimated Expenditure 12/31/16	Proposed by Executive Director	Recommended by Committee on Budget and Employment
601010	Salaries of Regular Employees	\$ 9,148,164	\$ 10,393,700	\$ 10,393,700	\$ 6,976,144	\$ 9,556,400	\$ 10,795,800	\$ 10,795,800
601060	Compensation Plan Adjustments	1,207,452	1,006,400	1,006,400	612,560	842,000	948,300	948,300
601070	Social Security and Medicare Contributions	-	147,500	147,500	108,394	147,400	149,800	149,800
601100	Tuition and Training Payments	30,965	125,000	125,000	25,379	56,300	97,600	97,600
601170	Payments for Professional Services	610,000	-	-	-	-	-	-
601270	General Salary Adjustments	-	-	-	-	-	1,233,100	1,233,100
100	TOTAL PERSONAL SERVICES	10,996,582	11,672,600	11,672,600	7,722,477	10,602,100	13,224,600	13,224,600
612010	Travel	7,542	15,000	15,000	6,690	12,100	10,000	10,000
612030	Meals and Lodging	13,766	17,500	17,500	6,598	11,300	17,000	17,000
612040	Postage, Freight, and Delivery Charges	84,426	115,000	115,000	84,958	109,800	95,500	95,500
612050	Compensation for Personally-Owned Automobiles	5,351	5,900	5,900	1,282	2,000	4,100	4,100
612080	Motor Vehicle Operating Services	63,626	77,000	77,000	69,905	51,400	83,500	83,500
612090	Reprographic Services	17,963	118,500	118,500	55,483	52,000	120,600	120,600
612150	Electrical Energy	362,903	365,000	365,000	229,635	333,500	365,000	365,000
612160	Natural Gas	26,402	38,000	38,000	15,730	20,000	35,000	35,000
612170	Water and Water Services	4,865	5,500	5,500	3,103	5,000	5,500	5,500
612210	Communication Services	3,000	3,000	3,000	3,000	3,000	3,000	3,000
612280	Subscriptions and Membership Dues	509,733	537,300	737,300	616,936	736,400	777,700	777,700
612330	Rental Charges	18,372	21,900	21,900	16,082	19,100	17,900	17,900
612360	Advertising	14,012	10,000	10,000	1,750	10,000	13,000	13,000
612370	Administration Building Operation	933,188	1,120,500	1,120,500	1,096,785	1,050,000	1,118,900	1,118,900
612390	Administration Building Mc Pav Operation	655,270	750,000	750,000	733,536	699,500	738,800	738,800
612430	Payments for Professional Services	-	623,600	623,600	586,075	577,000	556,600	556,600
612490	Contractual Services, N.O.C.	238,275	355,800	355,800	318,485	284,200	340,000	340,000
612680	Repairs to Buildings	113,282	100,000	94,700	51,233	45,000	65,000	65,000
612800	Repairs to Office Furniture and Equipment	77,661	100,000	103,300	102,591	102,000	110,000	110,000
612840	Communications Equipment Maintenance (Includes Software)	15,960	17,800	17,800	17,784	17,800	17,800	17,800

101 15000	Fund: Corporate Department: General Administration Division:	LINE ITEM ANALYSIS						
		2015	2016				2017	
Account Number	Account Name	Expenditure	Original Appropriation	Adjusted Appropriation 09/30/16	Expenditure (Committed Budget plus Disbursement) 09/30/16	Estimated Expenditure 12/31/16	Proposed by Executive Director	Recommended by Committee on Budget and Employment
612860	Repairs to Vehicle Equipment	432,623	440,000	440,000	439,200	440,000	538,000	538,000
200	TOTAL CONTRACTUAL SERVICES	3,598,220	4,837,300	5,035,300	4,456,841	4,581,100	5,032,900	5,032,900
623070	Electrical Parts and Supplies	6,944	15,000	15,000	14,466	13,500	17,000	17,000
623090	Plumbing Accessories and Supplies	13,994	13,400	10,200	6,000	10,000	30,000	30,000
623110	Hardware	13,824	15,700	15,700	15,303	15,300	17,000	17,000
623250	Vehicle Parts and Supplies	7,926	-	-	-	-	-	-
623520	Office, Printing, and Photo Supplies, Equipment, and Furniture	108,774	165,500	154,000	149,350	137,600	132,300	132,300
623660	Cleaning Supplies	1,290	1,500	1,500	1,300	1,300	2,000	2,000
623700	Wearing Apparel	21,580	36,900	36,900	36,844	36,000	30,000	30,000
623720	Books, Maps, and Charts	109	4,000	2,000	683	700	500	500
623800	Computer Software	-	-	8,700	8,625	5,000	-	-
623810	Computer Supplies	-	-	3,300	3,112	3,000	-	-
623990	Materials and Supplies, N.O.C.	31,047	47,400	64,100	55,340	47,000	59,000	59,000
300	TOTAL MATERIALS AND SUPPLIES	205,489	299,400	311,400	291,023	269,400	287,800	287,800
634990	Machinery and Equipment, N.O.C.	-	10,000	-	-	-	-	-
400	TOTAL MACHINERY AND EQUIPMENT	-	10,000	-	-	-	-	-
TOTAL GENERAL ADMINISTRATION		\$ 14,800,290	\$ 16,819,300	\$ 17,019,300	\$ 12,470,341	\$ 15,452,600	\$ 18,545,300	\$ 18,545,300

NOTES: 1. Amounts may not add up due to rounding.
 2. Departmental appropriation totals for salaries in the Line Item Analysis may differ from those contained in the Position Analysis by a factor identified to adjust for vacancies. Additionally, Estimated Expenditure may either exceed Adjusted Appropriation when transfers of funds are anticipated or be less than Expenditure (Committed Budget plus Disbursement) when not all commitments are anticipated to be completed by year-end.
 3. Effective 01/01/2016, professional services previously included in Personal Services (accounts 601170, 601410, 601420, 601430, and 601440) were reclassified to Contractual Services (accounts 612430, 612440, 612450, 612460, and 612470 respectively).

Fund: Corporate Dept: General Administration Division:		POSITION ANALYSIS				
		2015	2016		2017	
					RECOMMENDED BY COMMITTEE ON BUDGET/EMPLOYMENT	
PAY PLAN & GRADE	CLASS TITLE	ACTUAL FTEs	BUDGETED FTEs	APPROPRIATION IN DOLLARS	BUDGETED FTEs	APPROPRIATION IN DOLLARS
HP17	Management Analyst III #2 (Senior Budget & Management Analyst) (New Grade HP16)	2	-		1	
HP16	Senior Budget & Management Analyst	2	4		3	
HP15	Management Analyst II #2 (Budget & Management Analyst) (New Grade HP14)	-	-		-	
HP14	Budget & Management Analyst	6	6		8	
HP12	Administrative Assistant #2 (Administrative Specialist) (New Grade HP11)	1	-		-	
HP11	Administrative Specialist	-	1		1	
TOTAL	Central Budget Management Unit	12	12	1,107,544.36	14	1,329,596.58
TOTAL	Management & Budget Section	14	14	1,336,582.52	16	1,536,087.28
080	Police Section					
081	Administrative Unit					
HP18	Chief of Police	1	1		1	
HP12	Administrative Assistant #2 (Administrative Specialist) (New Grade HP11)	1	1		1	
TOTAL	Administrative Unit	2	2	232,466.26	2	234,481.00
082	Police Main Office Building Complex Unit					
NR2483	Police Officer	5	5		5	
TOTAL	Police Main Office Building Complex Unit	5	5	393,640.00	5	405,496.00
083	Police North Service Area Unit					
HP14	Police Sergeant	1	1		1	
NR2483	Police Officer	9	9		10	
TOTAL	Police North Service Area Unit	10	10	805,449.32	11	907,889.32
084	Police Calumet Service Area Unit					
HP14	Police Sergeant	1	1		1	
NR2483	Police Officer	10	10		10	
NR2483	Police Officer #1	1	1		-	
TOTAL	Police Calumet Service Area Unit	12	12	967,624.32	11	912,608.32
085	Police Stickney Service Area Unit					
HP16	Police Lieutenant	2	2		2	

Fund: Corporate Dept: General Administration Division:		POSITION ANALYSIS				
		2015	2016		2017	
					RECOMMENDED BY COMMITTEE ON BUDGET/EMPLOYMENT	
PAY PLAN & GRADE	CLASS TITLE	ACTUAL FTEs	BUDGETED FTEs	APPROPRIATION IN DOLLARS	BUDGETED FTEs	APPROPRIATION IN DOLLARS
HP14	Police Sergeant	5	5		5	
NR2483	Police Officer	23	23		22	
NR2483	Police Officer #1	-	-		1	
TOTAL	Police Stickney Service Area Unit	30	30	2,516,919.60	30	2,590,330.08
086	Police Countywide Unit					
NR2483	Police Officer	3	5		5	
TOTAL	Police Countywide Unit	3	5	393,640.00	5	405,496.00
TOTAL	Police Section	62	64	5,309,739.50	64	5,456,300.72
090	Facilities Section					
091	Administrative Unit					
HP17	Facilities Administrator	1	1		-	
HP16	Senior Budget & Management Analyst	-	-		1	
HP11	Administrative Specialist	2	2		2	
TOTAL	Administrative Unit	3	3	255,049.34	3	231,261.16
096	Building Services Unit					
HP15	Management Analyst II #2 (Budget & Management Analyst) (New Grade HP14)	1	-		-	
HP14	Budget & Management Analyst	-	1		1	
HP14	Chief Printing Press Operator	1	1		1	
HP12	Printing Press Operator	1	1		1	
HP11	Motor Vehicle Dispatcher Supervisor	1	1		1	
HP11	Administrative Specialist	2	2		2	
HP09	Motor Vehicle Dispatcher	2	2		2	
HP09	Administrative Clerk	4	4		3	
HP09	Administrative Clerk #1	-	-		1	
TOTAL	Building Services Unit	12	12	747,827.08	12	743,579.46
TOTAL	Facilities Section	15	15	1,002,876.42	15	974,840.62
TOTAL	Administrative Services Division	93	95	7,958,550.60	97	8,270,428.92

Fund: Corporate Dept: General Administration Division:		POSITION ANALYSIS				
		2015	2016		2017	
					RECOMMENDED BY COMMITTEE ON BUDGET/EMPLOYMENT	
PAY PLAN & GRADE	CLASS TITLE	ACTUAL FTEs	BUDGETED FTEs	APPROPRIATION IN DOLLARS	BUDGETED FTEs	APPROPRIATION IN DOLLARS
072	Public Affairs Section					
EX18	Public & Intergovernmental Affairs Officer	1	1		1	
EX06	Secretary to Officer	-	1		1	
HP17	Senior Public Affairs Specialist	1	-		-	
HP17	Senior Public Affairs Specialist #2 (New Grade HP16)	-	1		1	
HP15	Community Education Specialist #2 (Public Affairs Specialist) (New Grade HP14)	1	1		1	
HP15	Public Affairs Specialist	3	-		-	
HP15	Public Affairs Specialist #2 (New Grade HP14)	-	3		3	
HP13	Assistant Public Affairs Specialist #2 (Senior Administrative Specialist)	1	-		-	
HP13	Senior Administrative Specialist	-	1		1	
HP13	Graphic Artist	2	2		2	
HP12	Administrative Assistant #2 (Administrative Specialist) (New Grade HP11)	1	-		-	
HP11	Administrative Specialist	-	1		-	
HP09	Administrative Clerk	1	1		1	
TOTAL	Public Affairs Section	11	12	1,031,208.10	11	1,030,693.04
TOTAL	General Administration	118	122	10,516,366.64	123	10,848,003.40

NOTE: Departmental appropriation totals for salaries in the Position Analysis differ from those contained in the Line Item Analysis by a factor identified to adjust for vacancies. Salary ranges corresponding to the pay plan and grade for each class title can be found in the table of Salary Schedules in the Appendix.

101 16000	Fund: Corporate Department: Monitoring & Research Division:	LINE ITEM ANALYSIS						
		2015	2016				2017	
Account Number	Account Name	Expenditure	Original Appropriation	Adjusted Appropriation 09/30/16	Expenditure (Committed Budget plus Disbursement) 09/30/16	Estimated Expenditure 12/31/16	Proposed by Executive Director	Recommended by Committee on Budget and Employment
601010	Salaries of Regular Employees	\$ 24,596,325	\$ 26,703,000	\$ 26,703,000	\$ 18,033,877	\$ 24,627,200	\$ 27,522,600	\$ 27,522,600
601060	Compensation Plan Adjustments	715,704	970,900	970,900	514,886	650,300	677,400	677,400
601070	Social Security and Medicare Contributions	-	341,000	341,000	255,683	341,000	377,300	377,300
601080	Salaries of Nonbudgeted Employees	28,346	-	-	-	-	4,500	4,500
601100	Tuition and Training Payments	49,501	50,000	50,000	35,140	45,000	55,000	55,000
601170	Payments for Professional Services	54,930	-	-	-	-	-	-
100	TOTAL PERSONAL SERVICES	25,444,807	28,064,900	28,064,900	18,839,586	25,663,500	28,636,800	28,636,800
612010	Travel	8,476	15,000	15,000	6,531	10,000	15,000	15,000
612030	Meals and Lodging	29,733	30,000	30,000	20,176	29,500	29,200	29,200
612040	Postage, Freight, and Delivery Charges	4,576	5,500	5,500	5,393	4,500	4,900	4,900
612050	Compensation for Personally-Owned Automobiles	28,446	30,000	30,000	20,662	29,000	25,000	25,000
612080	Motor Vehicle Operating Services	570	1,200	1,200	479	1,000	600	600
612090	Reprographic Services	539	900	900	400	800	600	600
612170	Water and Water Services	405	500	500	500	500	500	500
612330	Rental Charges	2,161	5,000	5,000	3,682	3,000	3,600	3,600
612410	Governmental Service Charges	17,000	17,000	17,000	13,600	17,000	17,000	17,000
612430	Payments for Professional Services	-	163,500	163,500	105,108	82,800	330,100	330,100
612490	Contractual Services, N.O.C.	234,930	828,000	790,500	358,002	537,500	520,100	520,100
612790	Repairs to Marine Equipment	20,299	65,400	65,400	53,863	50,000	50,800	50,800
612970	Repairs to Testing and Laboratory Equipment	391,158	444,100	444,100	396,410	400,000	416,400	416,400
200	TOTAL CONTRACTUAL SERVICES	738,294	1,606,100	1,568,600	984,804	1,165,600	1,413,800	1,413,800
623520	Office, Printing, and Photo Supplies, Equipment, and Furniture	24,995	37,700	37,700	30,507	27,000	25,600	25,600
623530	Farming Supplies	22,894	24,700	37,800	26,555	37,000	34,000	34,000
623570	Laboratory Testing Supplies, Small Equipment, and Chemicals	313,375	350,000	374,400	352,161	374,400	349,600	349,600
623700	Wearing Apparel	15,677	22,900	22,900	22,512	15,000	16,100	16,100
623720	Books, Maps, and Charts	161	2,000	2,000	885	1,000	900	900
623810	Computer Supplies	2,246	3,000	6,000	4,680	2,600	2,200	2,200

101 16000		Fund: Corporate Department: Monitoring & Research Division:	LINE ITEM ANALYSIS					
			2015	2016			2017	
Account Number	Account Name	Expenditure	Original Appropriation	Adjusted Appropriation 09/30/16	Expenditure (Committed Budget plus Disbursement) 09/30/16	Estimated Expenditure 12/31/16	Proposed by Executive Director	Recommended by Committee on Budget and Employment
623820	Fuel	10,547	21,600	21,600	19,200	11,000	14,800	14,800
623990	Materials and Supplies, N.O.C.	53,310	50,300	47,300	44,103	45,000	57,600	57,600
300	TOTAL MATERIALS AND SUPPLIES	443,206	512,200	549,700	500,604	513,000	500,800	500,800
634970	Testing and Laboratory Equipment	266,068	340,000	340,000	331,428	250,000	479,000	479,000
400	TOTAL MACHINERY AND EQUIPMENT	266,068	340,000	340,000	331,428	250,000	479,000	479,000
TOTAL MONITORING & RESEARCH		\$ 26,892,375	\$ 30,523,200	\$ 30,523,200	\$ 20,656,422	\$ 27,592,100	\$ 31,030,400	\$ 31,030,400

- NOTES: 1. Amounts may not add up due to rounding.
2. Departmental appropriation totals for salaries in the Line Item Analysis may differ from those contained in the Position Analysis by a factor identified to adjust for vacancies. Additionally, Estimated Expenditure may either exceed Adjusted Appropriation when transfers of funds are anticipated or be less than Expenditure (Committed Budget plus Disbursement) when not all commitments are anticipated to be completed by year-end.
3. Effective 01/01/2016, professional services previously included in Personal Services (accounts 601170, 601410, 601420, 601430, and 601440) were reclassified to Contractual Services (accounts 612430, 612440, 612450, 612460, and 612470 respectively).

Fund: Corporate Dept: Monitoring & Research Division:		POSITION ANALYSIS				
		2015	2016		2017	
					PROPOSED BY THE EXECUTIVE DIRECTOR	
PAY PLAN & GRADE	CLASS TITLE	ACTUAL FTEs	BUDGETED FTEs	APPROPRIATION IN DOLLARS	BUDGETED FTEs	APPROPRIATION IN DOLLARS
HP11	Administrative Specialist	1	1		-	
HP11	Laboratory Technician II	7	8		12	
HP10	Laboratory Technician I	6	4		-	
HP10	Laboratory Technician I #1	-	2		-	
HP09	Laboratory Assistant	-	1		1	
TOTAL	Industrial Waste Analytical Laboratory Section	23	26	2,000,186.24	24	1,839,881.42
165	Organic Compounds Analytical Laboratory Section					
HP18	Instrumentation Chemist IV	1	1		-	
HP18	Supervising Instrumentation Chemist	-	-		1	
HP17	Instrumentation Chemist III	2	2		-	
HP17	Senior Instrumentation Chemist	-	-		2	
HP16	Instrumentation Chemist II	2	2		-	
HP16	Instrumentation Chemist II #2 (Instrumentation Chemist) (New Grade HP15)	-	-		2	
HP15	Instrumentation Chemist I	2	2		-	
HP15	Instrumentation Chemist	-	-		2	
HP13	Senior Laboratory Technician	-	1		1	
HP11	Administrative Specialist	1	1		-	
HP11	Laboratory Technician II	3	2		2	
TOTAL	Organic Compounds Analytical Laboratory Section	11	11	1,160,947.32	10	1,091,467.52
166	Egan Analytical Laboratory Section					
HP18	Supervising Environmental Chemist	1	1		1	
HP17	Senior Environmental Chemist	1	1		1	
HP15	Associate Environmental Chemist	1	1		-	
HP15	Environmental Chemist	-	-		4	
HP14	Assistant Environmental Chemist	3	3		-	
HP14	Assistant Environmental Chemist #1	-	-		1	
HP13	Senior Laboratory Technician	-	2		2	
HP12	Administrative Assistant #2 (Administrative Specialist) (New Grade HP11)	-	1		1	
HP11	Administrative Specialist	1	-		-	

Account Number	Fund: Department: Division:	LINE ITEM ANALYSIS						
		2015		2016			2017	
		Expenditure	Original Appropriation	Adjusted Appropriation 09/30/16	Expenditure (Committed Budget plus Disbursement) 09/30/16	Estimated Expenditure 12/31/16	Proposed by Executive Director	Recommended by Committee on Budget and Employment
101 20000	Corporate Procurement & Materials Management							
601010	Salaries of Regular Employees	\$ 5,026,894	\$ 5,393,200	\$ 5,393,200	\$ 3,621,912	\$ 5,143,200	\$ 5,520,800	\$ 5,520,800
601060	Compensation Plan Adjustments	114,545	69,500	69,500	35,710	59,500	142,400	142,400
601070	Social Security and Medicare Contributions	-	70,200	70,200	52,113	70,200	79,400	79,400
601100	Tuition and Training Payments	705	4,000	4,000	1,120	2,000	4,500	4,500
100	TOTAL PERSONAL SERVICES	5,142,144	5,536,900	5,536,900	3,710,855	5,274,900	5,747,100	5,747,100
612010	Travel	-	1,400	1,400	-	200	3,000	3,000
612030	Meals and Lodging	215	2,500	2,500	-	200	3,000	3,000
612050	Compensation for Personally-Owned Automobiles	2,521	2,200	2,200	1,610	2,200	2,300	2,300
612080	Motor Vehicle Operating Services	35	100	100	-	-	-	-
612360	Advertising	129,797	127,000	127,000	121,927	127,000	130,000	130,000
612490	Contractual Services, N.O.C.	350	-	-	-	-	-	-
612680	Repairs to Buildings	1,924	4,800	4,800	800	4,300	3,800	3,800
612800	Repairs to Office Furniture and Equipment	3,230	2,100	2,100	2,100	2,100	2,200	2,200
612820	Computer Software Maintenance	2,358	2,900	2,900	1,900	2,800	-	-
612860	Repairs to Vehicle Equipment	7,479	10,000	10,000	9,470	9,000	7,700	7,700
612990	Repairs, N.O.C.	-	40,000	40,000	-	40,000	-	-
200	TOTAL CONTRACTUAL SERVICES	147,910	193,000	193,000	137,807	187,800	152,000	152,000
623030	Metals	94,760	125,000	130,200	73,423	130,200	150,000	150,000
623070	Electrical Parts and Supplies	310,143	311,400	314,400	257,197	314,400	350,000	350,000
623090	Plumbing Accessories and Supplies	216,449	309,400	341,800	315,248	341,800	382,400	382,400
623110	Hardware	39,748	42,900	80,200	72,256	80,200	85,000	85,000
623130	Buildings, Grounds, Paving Materials, and Supplies	108,200	124,800	255,200	151,574	235,300	350,000	350,000
623170	Fiber, Paper, and Insulation Materials	39,376	39,200	39,200	34,888	39,200	45,000	45,000
623190	Paints, Solvents, and Related Materials	39,202	42,000	52,000	45,709	52,000	55,000	55,000
623250	Vehicle Parts and Supplies	9,740	10,100	15,300	8,637	15,300	10,000	10,000
623270	Mechanical Repair Parts	118,943	126,300	165,400	149,348	165,400	160,000	160,000
623520	Office, Printing, and Photo Supplies, Equipment, and Furniture	19,467	16,800	16,900	16,738	16,900	17,400	17,400

101 20000		Fund: Corporate Department: Procurement & Materials Management Division:	LINE ITEM ANALYSIS					
		2015	2016				2017	
Account Number	Account Name	Expenditure	Original Appropriation	Adjusted Appropriation 09/30/16	Expenditure (Committed Budget plus Disbursement) 09/30/16	Estimated Expenditure 12/31/16	Proposed by Executive Director	Recommended by Committee on Budget and Employment
623570	Laboratory Testing Supplies, Small Equipment, and Chemicals	594,502	583,800	584,300	550,902	584,300	590,000	590,000
623660	Cleaning Supplies	241,271	244,400	265,900	206,217	265,900	300,000	300,000
623680	Tools and Supplies	65,230	72,100	73,300	70,589	73,300	80,000	80,000
623700	Wearing Apparel	130,590	127,700	163,800	163,512	163,800	173,000	173,000
623780	Safety and Medical Supplies	59,809	85,000	85,200	47,834	85,200	90,000	90,000
623810	Computer Supplies	74,704	85,000	50,400	46,805	50,400	76,600	76,600
623820	Fuel	220,944	351,100	193,500	126,186	190,000	270,300	270,300
623840	Gases	67,318	45,000	59,500	59,429	59,500	65,000	65,000
623850	Communications Supplies	7,857	10,000	10,000	6,162	10,000	8,100	8,100
623860	Lubricants	237,882	240,000	258,700	172,587	258,700	260,000	260,000
623990	Materials and Supplies, N.O.C.	78,696	55,500	55,500	54,381	55,500	117,100	117,100
300	TOTAL MATERIALS AND SUPPLIES	2,774,832	3,047,500	3,210,700	2,629,623	3,187,300	3,634,900	3,634,900
634990	Machinery and Equipment, N.O.C.	74,388	-	-	-	-	-	-
400	TOTAL MACHINERY AND EQUIPMENT	74,388	-	-	-	-	-	-
TOTAL PROCUREMENT & MATERIALS MGMT		\$ 8,139,274	\$ 8,777,400	\$ 8,940,600	\$ 6,478,285	\$ 8,650,000	\$ 9,534,000	\$ 9,534,000

NOTES: 1. Amounts may not add up due to rounding.
 2. Departmental appropriation totals for salaries in the Line Item Analysis may differ from those contained in the Position Analysis by a factor identified to adjust for vacancies. Additionally, Estimated Expenditure may either exceed Adjusted Appropriation when transfers of funds are anticipated or be less than Expenditure (Committed Budget plus Disbursement) when not all commitments are anticipated to be completed by year-end.

101 25000	Fund: Corporate Department: Human Resources Division:	LINE ITEM ANALYSIS						
		2015	2016				2017	
Account Number	Account Name	Expenditure	Original Appropriation	Adjusted Appropriation 09/30/16	Expenditure (Committed Budget plus Disbursement) 9/30/16	Estimated Expenditure 12/31/16	Proposed by Executive Director	Recommended by Committee on Budget and Employment
601010	Salaries of Regular Employees	\$ 5,744,731	\$ 6,114,600	\$ 6,114,600	\$ 4,158,733	\$ 5,811,800	\$ 5,766,400	\$ 5,766,400
601060	Compensation Plan Adjustments	148,894	314,000	314,000	231,314	246,600	232,200	232,200
601070	Social Security and Medicare Contributions	2,631,404	88,800	88,800	73,952	87,400	101,200	101,200
601080	Salaries of Nonbudgeted Employees	1,621	-	-	-	-	-	-
601090	Employee Claims	37,475	47,900	47,900	32,879	47,900	60,200	60,200
601100	Tuition and Training Payments	510,266	440,800	440,800	298,564	343,600	600,000	600,000
601170	Payments for Professional Services	1,210,497	-	-	-	-	-	-
601250	Health and Life Insurance Premiums	44,187,178	48,226,600	48,226,600	31,943,120	46,848,200	46,705,100	46,705,100
601300	Personal Services, N.O.C.	102,453	230,800	230,800	159,822	230,800	250,800	250,800
100	TOTAL PERSONAL SERVICES	54,574,520	55,463,500	55,463,500	36,898,383	53,616,300	53,715,900	53,715,900
612010	Travel	3,449	7,000	7,000	2,387	4,500	5,000	5,000
612030	Meals and Lodging	9,531	12,000	12,000	6,556	10,500	12,000	12,000
612040	Postage, Freight, and Delivery Charges	464	1,000	1,000	-	300	200	200
612050	Compensation for Personally-Owned Automobiles	5,550	5,000	5,000	1,942	4,400	4,400	4,400
612080	Motor Vehicle Operating Services	30	100	100	14	100	100	100
612250	Court Reporting Services	11,529	15,600	15,600	9,999	13,600	14,000	14,000
612260	Medical Services	123,656	180,000	180,000	143,600	150,700	123,700	123,700
612280	Subscriptions and Membership Dues	1,989	-	-	-	-	-	-
612290	Insurance Premiums	3,129,261	3,500,600	3,500,600	3,342,876	3,500,600	3,500,600	3,500,600
612330	Rental Charges	18,703	30,000	30,000	17,639	26,500	23,500	23,500
612430	Payments for Professional Services	-	1,205,700	1,205,700	1,072,580	1,135,700	1,139,100	1,139,100
612490	Contractual Services, N.O.C.	48,555	50,700	50,700	48,013	46,300	62,900	62,900
612780	Safety Repairs and Services	188,442	165,200	165,200	163,811	132,800	172,000	172,000
612820	Computer Software Maintenance	12,054	20,000	20,000	-	19,200	20,000	20,000
200	TOTAL CONTRACTUAL SERVICES	3,553,214	5,192,900	5,192,900	4,809,417	5,045,200	5,077,500	5,077,500
623520	Office, Printing, and Photo Supplies, Equipment, and Furniture	12,916	20,000	20,000	17,700	18,200	58,500	58,500
623720	Books, Maps, and Charts	5,922	5,000	5,000	-	4,600	3,500	3,500
623780	Safety and Medical Supplies	256,017	131,500	131,500	80,451	84,200	173,000	173,000

101 25000		Fund: Corporate Department: Human Resources Division:		LINE ITEM ANALYSIS				
		2015	2016			2017		
Account Number	Account Name	Expenditure	Original Appropriation	Adjusted Appropriation 09/30/16	Expenditure (Committed Budget plus Disbursement) 9/30/16	Estimated Expenditure 12/31/16	Proposed by Executive Director	Recommended by Committee on Budget and Employment
623990	Materials and Supplies, N.O.C.	4,229	3,900	3,900	3,102	3,800	3,900	3,900
300	TOTAL MATERIALS AND SUPPLIES	279,083	160,400	160,400	101,252	110,800	238,900	238,900
634820	Computer Software	19,200	-	-	-	-	-	-
400	TOTAL MACHINERY AND EQUIPMENT	19,200	-	-	-	-	-	-
TOTAL HUMAN RESOURCES		\$ 58,426,017	\$ 60,816,800	\$ 60,816,800	\$ 41,809,053	\$ 58,772,300	\$ 59,032,300	\$ 59,032,300

NOTES: 1. Amounts may not add up due to rounding.
 2. Departmental appropriation totals for salaries in the Line Item Analysis may differ from those contained in the Position Analysis by a factor identified to adjust for vacancies. Additionally, Estimated Expenditure may either exceed Adjusted Appropriation when transfers of funds are anticipated or be less than Expenditure (Committed Budget plus Disbursement) when not all commitments are anticipated to be completed by year-end.
 3. Effective 01/01/2016, professional services previously included in Personal Services (accounts 601170, 601410, 601420, 601430, and 601440) were reclassified to Contractual Services (accounts 612430, 612440, 612450, 612460, and 612470 respectively).

101 27000	Fund: Corporate Department: Information Technology Division:	LINE ITEM ANALYSIS						
		2015	2016				2017	
Account Number	Account Name	Expenditure	Original Appropriation	Adjusted Appropriation 09/30/16	Expenditure (Committed Budget plus Disbursement) 09/30/16	Estimated Expenditure 12/31/16	Proposed by Executive Director	Recommended by Committee on Budget and Employment
601010	Salaries of Regular Employees	\$ 7,017,017	\$ 8,686,300	\$ 8,686,300	\$ 4,943,660	\$ 6,800,000	\$ 8,518,700	\$ 8,518,700
601060	Compensation Plan Adjustments	286,491	186,300	186,300	62,894	100,000	230,000	230,000
601070	Social Security and Medicare Contributions	-	106,200	106,200	70,370	86,100	106,700	106,700
601100	Tuition and Training Payments	78,419	90,000	90,000	10,004	10,000	86,700	86,700
601170	Payments for Professional Services	219,460	-	-	-	-	-	-
100	TOTAL PERSONAL SERVICES	7,601,387	9,068,800	9,068,800	5,086,927	6,996,100	8,942,100	8,942,100
612010	Travel	401	1,500	1,500	-	500	400	400
612030	Meals and Lodging	1,474	2,000	2,000	-	700	1,500	1,500
612040	Postage, Freight, and Delivery Charges	-	-	1,000	106	500	-	-
612050	Compensation for Personally-Owned Automobiles	4,539	5,100	5,100	1,612	3,000	4,700	4,700
612080	Motor Vehicle Operating Services	-	100	100	-	-	-	-
612210	Communication Services	1,140,572	1,304,400	1,304,400	1,270,794	1,205,300	1,422,400	1,422,400
612330	Rental Charges	266,486	310,000	310,000	276,907	277,000	325,500	325,500
612430	Payments for Professional Services	-	640,300	639,300	634,066	505,000	357,400	357,400
612490	Contractual Services, N.O.C.	451	2,700	2,700	2,000	2,500	20,000	20,000
612810	Computer Equipment Maintenance	510,287	651,000	651,000	493,006	479,900	376,100	376,100
612820	Computer Software Maintenance	3,464,107	3,650,200	3,650,200	3,353,575	3,000,000	4,057,600	4,057,600
612840	Communications Equipment Maintenance (Includes Software)	652,111	788,000	788,000	765,881	760,900	796,400	796,400
200	TOTAL CONTRACTUAL SERVICES	6,040,430	7,355,300	7,355,300	6,797,947	6,235,300	7,362,000	7,362,000
623520	Office, Printing, and Photo Supplies, Equipment, and Furniture	22,584	19,100	19,100	6,641	8,500	17,000	17,000
623720	Books, Maps, and Charts	343	400	400	166	400	-	-
623800	Computer Software	158,976	250,700	250,700	134,641	82,000	331,900	331,900
623810	Computer Supplies	546,455	485,200	485,200	485,130	485,100	423,500	423,500
623850	Communications Supplies	84,863	122,300	122,300	119,718	114,900	131,700	131,700
300	TOTAL MATERIALS AND SUPPLIES	813,221	877,700	877,700	746,296	690,900	904,100	904,100
634810	Computer Equipment	24,770	20,000	20,000	19,259	19,500	45,000	45,000
634820	Computer Software	15,134	14,800	14,800	-	13,000	30,000	30,000

101 27000	Fund: Corporate Department: Information Technology Division:	LINE ITEM ANALYSIS						
		2015	2016			2017		
Account Number	Account Name	Expenditure	Original Appropriation	Adjusted Appropriation 09/30/16	Expenditure (Committed Budget plus Disbursement) 09/30/16	Estimated Expenditure 12/31/16	Proposed by Executive Director	Recommended by Committee on Budget and Employment
634840	Communications Equipment (Includes Software)	79,647	112,000	112,000	20,779	100,800	-	-
400	TOTAL MACHINERY AND EQUIPMENT	119,551	146,800	146,800	40,038	133,300	75,000	75,000
TOTAL INFORMATION TECHNOLOGY		\$ 14,574,589	\$ 17,448,600	\$ 17,448,600	\$ 12,671,209	\$ 14,055,600	\$ 17,283,200	\$ 17,283,200

NOTES: 1. Amounts may not add up due to rounding.
 2. Departmental appropriation totals for salaries in the Line Item Analysis may differ from those contained in the Position Analysis by a factor identified to adjust for vacancies. Additionally, Estimated Expenditure may either exceed Adjusted Appropriation when transfers of funds are anticipated or be less than Expenditure (Committed Budget plus Disbursement) when not all commitments are anticipated to be completed by year-end.
 3. Effective 01/01/2016, professional services previously included in Personal Services (accounts 601170, 601410, 601420, 601430, and 601440) were reclassified to Contractual Services (accounts 612430, 612440, 612450, 612460, and 612470 respectively).

101 30000	Fund: Corporate Department: Law Division:	LINE ITEM ANALYSIS						
		2015	2016				2017	
Account Number	Account Name	Expenditure	Original Appropriation	Adjusted Appropriation 09/30/16	Expenditure (Committed Budget plus Disbursement) 09/30/16	Estimated Expenditure 12/31/16	Proposed by Executive Director	Recommended by Committee on Budget and Employment
601010	Salaries of Regular Employees	\$ 4,455,446	\$ 5,025,500	\$ 5,025,500	\$ 3,381,993	\$ 4,650,000	\$ 5,124,600	\$ 5,124,600
601060	Compensation Plan Adjustments	12,175	47,500	47,500	14,848	40,000	101,900	101,900
601070	Social Security and Medicare Contributions	-	65,200	65,200	47,760	61,000	66,400	66,400
601100	Tuition and Training Payments	12,218	14,000	14,000	7,264	13,000	14,000	14,000
601170	Payments for Professional Services	687,892	-	-	-	-	-	-
100	TOTAL PERSONAL SERVICES	5,167,731	5,152,200	5,152,200	3,451,865	4,764,000	5,306,900	5,306,900
612010	Travel	3,510	6,000	6,000	1,404	5,000	6,000	6,000
612030	Meals and Lodging	3,197	7,500	7,500	621	6,500	7,500	7,500
612040	Postage, Freight, and Delivery Charges	1,272	1,000	1,000	955	1,000	1,000	1,000
612050	Compensation for Personally-Owned Automobiles	1,191	1,200	1,200	313	1,100	1,200	1,200
612090	Reprographic Services	1,102	40,000	40,000	34,546	25,000	25,000	25,000
612250	Court Reporting Services	3,508	40,000	40,000	39,000	25,000	30,000	30,000
612430	Payments for Professional Services	-	1,800,000	1,800,000	1,682,796	1,025,000	2,000,000	2,000,000
612490	Contractual Services, N.O.C.	79,467	80,000	80,000	74,340	79,000	90,000	90,000
200	TOTAL CONTRACTUAL SERVICES	93,247	1,975,700	1,975,700	1,833,975	1,167,600	2,160,700	2,160,700
623520	Office, Printing, and Photo Supplies, Equipment, and Furniture	4,786	7,000	7,000	6,513	5,500	5,000	5,000
623720	Books, Maps, and Charts	9,219	17,000	17,000	17,000	13,700	12,000	12,000
623990	Materials and Supplies, N.O.C.	566	700	700	661	700	700	700
300	TOTAL MATERIALS AND SUPPLIES	14,571	24,700	24,700	24,174	19,900	17,700	17,700
667130	Taxes on Real Estate	742,686	820,000	820,000	789,941	800,000	890,000	890,000
700	TOTAL FIXED AND OTHER CHARGES	742,686	820,000	820,000	789,941	800,000	890,000	890,000
TOTAL LAW		\$ 6,018,235	\$ 7,972,600	\$ 7,972,600	\$ 6,099,955	\$ 6,751,500	\$ 8,375,300	\$ 8,375,300

NOTES: 1. Amounts may not add up due to rounding.
 2. Departmental appropriation totals for salaries in the Line Item Analysis may differ from those contained in the Position Analysis by a factor identified to adjust for vacancies. Additionally, Estimated Expenditure may either exceed Adjusted Appropriation when transfers of funds are anticipated or be less than Expenditure (Committed Budget plus Disbursement) when not all commitments are anticipated to be completed by year-end.
 3. Effective 01/01/2016, professional services previously included in Personal Services (accounts 601170, 601410, 601420, 601430, and 601440) were reclassified to Contractual Services (accounts 612430, 612440, 612450, 612460, and 612470 respectively).

101 40000	Fund: Corporate Department: Finance Division:	LINE ITEM ANALYSIS						
		2015	2016				2017	
Account Number	Account Name	Expenditure	Original Appropriation	Adjusted Appropriation 09/30/16	Expenditure (Committed Budget plus Disbursement) 09/30/16	Estimated Expenditure 12/31/16	Proposed by Executive Director	Recommended by Committee on Budget and Employment
601010	Salaries of Regular Employees	\$ 3,008,434	\$ 3,146,400	\$ 3,124,900	\$ 2,194,669	\$ 2,985,500	\$ 3,109,600	\$ 3,109,600
601060	Compensation Plan Adjustments	20,530	61,400	82,900	77,223	82,000	57,000	57,000
601070	Social Security and Medicare Contributions	-	44,400	44,400	32,219	40,000	50,600	50,600
601100	Tuition and Training Payments	27,724	22,700	22,700	18,343	20,000	26,000	26,000
601170	Payments for Professional Services	289,298	-	-	-	-	-	-
100	TOTAL PERSONAL SERVICES	3,345,986	3,274,900	3,274,900	2,322,454	3,127,500	3,243,200	3,243,200
612010	Travel	1,859	3,100	3,100	2,325	3,100	4,100	4,100
612030	Meals and Lodging	5,567	4,300	4,300	2,123	4,300	5,300	5,300
612040	Postage, Freight, and Delivery Charges	248	3,400	3,400	32	300	200	200
612050	Compensation for Personally-Owned Automobiles	612	600	600	36	200	600	600
612090	Reprographic Services	2,170	1,900	2,300	2,190	2,300	2,300	2,300
612250	Court Reporting Services	40,511	47,800	47,800	47,800	47,800	50,000	50,000
612430	Payments for Professional Services	-	321,400	321,400	287,665	269,000	324,100	324,100
612490	Contractual Services, N.O.C.	12,945	25,900	23,400	1,015	5,400	1,100	1,100
612800	Repairs to Office Furniture and Equipment	5,195	5,200	5,300	4,922	5,300	5,400	5,400
200	TOTAL CONTRACTUAL SERVICES	69,106	413,600	411,600	348,108	337,700	393,100	393,100
623520	Office, Printing, and Photo Supplies, Equipment, and Furniture	9,709	7,200	7,200	5,753	7,200	18,400	18,400
623720	Books, Maps, and Charts	1,232	600	600	96	600	1,000	1,000
623800	Computer Software	-	-	2,000	1,920	2,000	-	-
623990	Materials and Supplies, N.O.C.	90	-	-	-	-	200	200
300	TOTAL MATERIALS AND SUPPLIES	11,030	7,800	9,800	7,769	9,800	19,600	19,600
TOTAL FINANCE		\$ 3,426,123	\$ 3,696,300	\$ 3,696,300	\$ 2,678,331	\$ 3,475,000	\$ 3,655,900	\$ 3,655,900

NOTES: 1. Amounts may not add up due to rounding.
 2. Departmental appropriation totals for salaries in the Line Item Analysis may differ from those contained in the Position Analysis by a factor identified to adjust for vacancies. Additionally, Estimated Expenditure may either exceed Adjusted Appropriation when transfers of funds are anticipated or be less than Expenditure (Committed Budget plus Disbursement) when not all commitments are anticipated to be completed by year-end.
 3. Effective 01/01/2016, professional services previously included in Personal Services (accounts 601170, 601410, 601420, 601430, and 601440) were reclassified to Contractual Services (accounts 612430, 612440, 612450, 612460, and 612470 respectively).

101 60000	Fund: Corporate Department: Maintenance & Operations Division: All Divisions	LINE ITEM ANALYSIS						
		2015	2016				2017	
Account Number	Account Name	Expenditure	Original Appropriation	Adjusted Appropriation 09/30/16	Expenditure (Committed Budget plus Disbursement) 09/30/16	Estimated Expenditure 12/31/16	Proposed by Executive Director	Recommended by Committee on Budget and Employment
601010	Salaries of Regular Employees	\$ 83,833,214	\$ 87,771,800	\$ 87,771,800	\$ 60,456,660	\$ 82,980,200	\$ 87,648,900	\$ 87,648,900
601060	Compensation Plan Adjustments	4,641,953	4,310,300	4,310,300	3,523,941	4,226,600	4,641,100	4,641,100
601070	Social Security and Medicare Contributions	-	1,308,500	1,308,500	902,922	1,268,900	1,228,000	1,228,000
601080	Salaries of Nonbudgeted Employees	30,601	23,400	23,400	1,544	1,600	34,800	34,800
601100	Tuition and Training Payments	169,768	323,700	323,700	135,420	282,000	265,500	265,500
601170	Payments for Professional Services	506,118	-	-	-	-	-	-
100	TOTAL PERSONAL SERVICES	89,181,654	93,737,700	93,737,700	65,020,487	88,759,300	93,818,300	93,818,300
612010	Travel	11,122	50,100	50,100	10,538	34,400	34,700	34,700
612030	Meals and Lodging	41,016	100,000	100,000	32,724	64,900	70,000	70,000
612050	Compensation for Personally-Owned Automobiles	173,217	187,000	187,000	118,096	162,600	150,000	150,000
612080	Motor Vehicle Operating Services	714	1,800	1,800	651	1,400	1,700	1,700
612150	Electrical Energy	34,856,050	36,238,400	36,238,400	22,508,175	35,487,300	36,776,000	36,447,000
612160	Natural Gas	1,962,108	2,825,200	2,825,200	1,441,578	2,812,900	2,789,800	2,767,500
612170	Water and Water Services	1,659,353	1,729,400	1,729,400	1,224,937	1,685,300	1,740,600	1,740,600
612210	Communication Services	409,219	647,500	818,500	818,431	708,600	604,700	604,700
612240	Testing and Inspection Services	182,692	181,400	181,400	126,188	141,000	170,200	170,200
612330	Rental Charges	152,495	196,800	196,800	159,661	182,800	170,600	170,600
612410	Governmental Service Charges	3,206,284	3,223,500	3,023,500	2,392,573	2,924,400	3,300,200	3,300,200
612420	Maintenance of Grounds and Pavements	1,540,133	1,049,900	1,049,900	884,846	851,000	923,300	968,300
612430	Payments for Professional Services	-	810,700	810,700	682,636	510,300	650,000	720,000
612490	Contractual Services, N.O.C.	542,876	601,000	601,000	554,330	537,000	311,400	570,400
612520	Waste Material Disposal Charges	10,355,660	10,659,800	10,659,800	10,498,154	9,421,800	11,000,000	10,955,000
612530	Farming Services	29,600	29,600	29,600	29,600	29,000	33,200	33,200
612590	Sludge Disposal	3,604,252	5,000,000	5,000,000	5,000,000	2,598,800	3,204,300	3,204,300
612600	Repairs to Collection Facilities	2,893,165	3,796,000	3,625,000	3,300,932	2,000,100	3,332,900	3,332,900
612620	Repairs to Waterway Facilities	14,986	88,600	88,600	45,703	41,000	50,000	50,000
612650	Repairs to Process Facilities	5,985,400	5,643,700	5,643,700	5,468,673	4,069,400	4,963,500	4,975,800
612670	Repairs to Railroads	263,900	478,700	478,700	476,333	345,000	302,600	302,600

101 60000	Fund: Corporate Department: Maintenance & Operations Division: All Divisions	LINE ITEM ANALYSIS						
		2015	2016				2017	
		Account Number	Account Name	Expenditure	Original Appropriation	Adjusted Appropriation 09/30/16	Expenditure (Committed Budget plus Disbursement) 09/30/16	Estimated Expenditure 12/31/16
612680	Repairs to Buildings	805,173	1,230,600	1,230,600	1,202,296	637,800	1,050,200	1,050,200
612760	Repairs to Material Handling and Farming Equipment	364,127	315,200	315,200	283,391	297,200	304,000	304,000
612780	Safety Repairs and Services	124,893	200,100	200,100	168,611	146,800	368,000	368,000
612790	Repairs to Marine Equipment	53,142	53,000	53,000	52,555	48,000	60,000	60,000
612820	Computer Software Maintenance	2,920	5,200	5,200	5,156	5,200	5,400	5,400
612840	Communications Equipment Maintenance (Includes Software)	-	15,000	15,000	9,900	-	-	-
612860	Repairs to Vehicle Equipment	85,342	109,500	109,500	108,445	93,900	100,000	100,000
612990	Repairs, N.O.C.	4,894	20,900	20,900	18,009	17,100	20,000	20,000
200	TOTAL CONTRACTUAL SERVICES	69,324,733	75,488,600	75,288,600	57,623,123	65,855,000	72,487,300	72,477,300
623030	Metals	39,076	40,000	40,000	35,044	28,600	35,000	35,000
623070	Electrical Parts and Supplies	1,250,248	1,423,200	1,580,200	1,523,232	1,420,200	1,800,000	1,800,000
623090	Plumbing Accessories and Supplies	592,994	732,400	700,000	621,864	673,200	652,000	652,000
623110	Hardware	21,545	25,000	22,700	12,832	20,700	20,000	20,000
623130	Buildings, Grounds, Paving Materials, and Supplies	135,646	191,500	191,500	190,316	178,300	190,000	192,500
623170	Fiber, Paper, and Insulation Materials	8,837	15,000	15,000	9,800	5,000	14,100	14,100
623190	Paints, Solvents, and Related Materials	4,826	10,000	10,000	7,598	5,900	7,000	7,000
623250	Vehicle Parts and Supplies	82,732	176,300	176,300	174,175	155,400	200,100	200,100
623270	Mechanical Repair Parts	2,107,261	2,137,700	1,938,600	1,719,933	1,350,800	2,288,000	2,288,000
623300	Manhole Materials	9,863	10,600	10,600	1,137	9,500	11,000	11,000
623520	Office, Printing, and Photo Supplies, Equipment, and Furniture	50,464	58,600	58,500	56,383	47,900	49,600	49,600
623530	Farming Supplies	4,949	5,000	5,000	3,711	4,700	5,000	5,000
623560	Processing Chemicals	7,472,970	12,448,900	12,438,400	12,396,816	10,586,400	13,734,200	13,734,200
623570	Laboratory Testing Supplies, Small Equipment, and Chemicals	16,487	22,600	32,600	32,004	31,800	25,000	25,000
623660	Cleaning Supplies	2,141	5,000	5,000	3,815	4,000	5,000	5,000
623680	Tools and Supplies	201,011	231,400	230,200	187,672	215,000	500,000	500,000
623700	Wearing Apparel	1,618	1,500	1,500	714	900	2,400	2,400

101 60000	Fund: Corporate Department: Maintenance & Operations Division: All Divisions	LINE ITEM ANALYSIS						
		2015	2016			2017		
Account Number	Account Name	Expenditure	Original Appropriation	Adjusted Appropriation 09/30/16	Expenditure (Committed Budget plus Disbursement) 09/30/16	Estimated Expenditure 12/31/16	Proposed by Executive Director	Recommended by Committee on Budget and Employment
623720	Books, Maps, and Charts	-	200	200	-	-	-	-
623780	Safety and Medical Supplies	77,941	149,400	149,200	89,863	74,300	60,300	60,300
623800	Computer Software	5,634	6,000	6,000	110	2,000	7,500	7,500
623810	Computer Supplies	15,010	18,800	18,400	13,839	17,100	17,100	17,100
623820	Fuel	223,822	435,800	351,800	313,820	228,400	300,000	300,000
623840	Gases	3,504	8,000	8,000	6,900	7,100	5,000	5,000
623850	Communications Supplies	1,683	3,000	3,000	520	1,100	900	900
623860	Lubricants	15,134	25,200	25,200	6,789	20,600	5,000	5,000
623990	Materials and Supplies, N.O.C.	56,526	94,400	94,400	93,080	83,800	100,000	107,500
300	TOTAL MATERIALS AND SUPPLIES	12,401,922	18,275,500	18,112,300	17,501,965	15,172,700	20,034,200	20,044,200
634600	Equipment for Collection Facilities	80,936	50,000	50,000	46,477	42,500	50,000	50,000
634650	Equipment for Process Facilities	140,237	161,000	161,000	134,650	123,300	100,000	100,000
634760	Material Handling and Farming Equipment	4,487	-	-	-	-	-	-
634860	Vehicle Equipment	-	7,000	7,000	5,597	5,600	10,000	10,000
634970	Testing and Laboratory Equipment	5,395	6,000	6,000	-	-	6,000	6,000
400	TOTAL MACHINERY AND EQUIPMENT	231,056	224,000	224,000	186,723	171,400	166,000	166,000
TOTAL MAINTENANCE & OPERATIONS		\$171,139,365	\$187,725,800	\$187,362,600	\$140,332,299	\$169,958,400	\$186,505,800	\$186,505,800

NOTES: 1. Amounts may not add up due to rounding.
 2. Departmental appropriation totals for salaries in the Line Item Analysis may differ from those contained in the Position Analysis by a factor identified to adjust for vacancies. Additionally, Estimated Expenditure may either exceed Adjusted Appropriation when transfers of funds are anticipated or be less than Expenditure (Committed Budget plus Disbursement) when not all commitments are anticipated to be completed by year-end.
 3. Effective 01/01/2016, professional services previously included in Personal Services (accounts 601170, 601410, 601420, 601430, and 601440) were reclassified to Contractual Services (accounts 612430, 612440, 612450, 612460, and 612470 respectively).
 4. For the M&O Department, Expenditure (Committed Budget plus Disbursement) may exceed Adjusted Appropriation for a specific division as funding is controlled at the M&O Overall department-level.

101 66000	Fund: Corporate Department: Maintenance & Operations Division: General	LINE ITEM ANALYSIS						
		2015	2016				2017	
Account Number	Account Name	Expenditure	Original Appropriation	Adjusted Appropriation 09/30/16	Expenditure (Committed Budget plus Disbursement) 09/30/16	Estimated Expenditure 12/31/16	Proposed by Executive Director	Recommended by Committee on Budget and Employment
601010	Salaries of Regular Employees	\$ 8,272,161	\$ 8,877,500	\$ 8,877,500	\$ 5,946,662	\$ 8,171,900	\$ 12,330,600	\$ 12,330,600
601060	Compensation Plan Adjustments	589,831	402,700	517,700	427,462	443,700	504,700	504,700
601070	Social Security and Medicare Contributions	-	132,400	132,400	90,860	115,200	121,500	121,500
601080	Salaries of Nonbudgeted Employees	11,371	23,400	21,800	-	-	19,700	19,700
601100	Tuition and Training Payments	22,930	20,000	20,000	16,345	17,200	15,700	15,700
601170	Payments for Professional Services	354,726	-	-	-	-	-	-
100	TOTAL PERSONAL SERVICES	9,251,019	9,456,000	9,569,400	6,481,329	8,748,000	12,992,200	12,992,200
612010	Travel	4,528	5,000	4,500	1,716	3,000	2,100	2,100
612030	Meals and Lodging	10,226	11,500	11,500	6,747	6,600	5,500	5,500
612050	Compensation for Personally-Owned Automobiles	7,023	9,000	9,000	2,837	2,100	9,400	9,400
612080	Motor Vehicle Operating Services	103	200	300	234	300	400	400
612150	Electrical Energy	53,473	86,300	86,300	49,450	77,000	77,700	77,700
612160	Natural Gas	2,563	6,900	6,900	5,276	6,700	8,100	8,100
612170	Water and Water Services	35,734	32,400	52,400	38,893	31,000	33,600	33,600
612210	Communication Services	130,633	210,000	276,000	276,000	206,500	200,700	200,700
612240	Testing and Inspection Services	4,014	16,300	16,300	13,930	10,000	14,100	14,100
612330	Rental Charges	8,952	7,600	7,800	7,744	7,600	10,900	10,900
612410	Governmental Service Charges	16,872	22,500	25,100	14,500	25,100	21,000	21,000
612420	Maintenance of Grounds and Pavements	21,963	657,300	795,600	663,720	630,800	653,200	698,200
612430	Payments for Professional Services	-	792,700	792,500	664,550	492,100	632,000	702,000
612490	Contractual Services, N.O.C.	90,892	190,200	192,800	192,769	181,700	213,300	213,300
612520	Waste Material Disposal Charges	8,875,612	9,027,600	9,054,600	8,960,491	7,940,000	9,417,500	9,372,500
612600	Repairs to Collection Facilities	656,939	1,110,000	1,110,000	1,004,494	495,000	949,100	949,100
612620	Repairs to Waterway Facilities	-	85,600	85,600	45,703	38,000	40,000	40,000
612650	Repairs to Process Facilities	15,267	25,500	25,500	15,410	15,400	31,500	31,500
612680	Repairs to Buildings	66,131	31,000	25,100	16,298	13,000	39,400	39,400
612760	Repairs to Material Handling and Farming Equipment	306,991	226,000	226,000	199,960	222,000	226,000	226,000

101 66000	Fund: Corporate Department: Maintenance & Operations Division: General	LINE ITEM ANALYSIS						
		2015	2016				2017	
Account Number	Account Name	Expenditure	Original Appropriation	Adjusted Appropriation 09/30/16	Expenditure (Committed Budget plus Disbursement) 09/30/16	Estimated Expenditure 12/31/16	Proposed by Executive Director	Recommended by Committee on Budget and Employment
612780	Safety Repairs and Services	5,718	12,500	19,300	19,249	16,800	12,900	12,900
612790	Repairs to Marine Equipment	53,142	53,000	53,000	52,555	48,000	60,000	60,000
612820	Computer Software Maintenance	2,920	5,200	5,200	5,156	5,200	5,400	5,400
612860	Repairs to Vehicle Equipment	19,839	38,100	38,100	38,045	26,000	30,500	30,500
612990	Repairs, N.O.C.	800	2,900	2,900	1,450	2,400	3,400	3,400
200	TOTAL CONTRACTUAL SERVICES	10,390,335	12,665,300	12,922,300	12,297,176	10,502,300	12,697,700	12,767,700
623070	Electrical Parts and Supplies	14,453	19,400	19,400	16,215	19,400	15,000	15,000
623090	Plumbing Accessories and Supplies	8,682	5,500	10,500	9,880	9,000	10,000	10,000
623110	Hardware	1,142	4,100	4,100	2,000	3,500	4,100	4,100
623130	Buildings, Grounds, Paving Materials, and Supplies	12,893	42,800	41,700	41,618	37,300	56,000	56,000
623250	Vehicle Parts and Supplies	30,867	74,900	74,900	74,898	67,100	114,500	114,500
623270	Mechanical Repair Parts	92,124	102,600	102,600	51,871	38,500	117,300	117,300
623300	Manhole Materials	-	10,600	2,100	1,137	1,100	11,000	11,000
623520	Office, Printing, and Photo Supplies, Equipment, and Furniture	7,019	7,500	7,500	7,497	6,500	7,500	7,500
623530	Farming Supplies	-	5,000	5,000	3,711	4,700	5,000	5,000
623560	Processing Chemicals	131,044	405,000	254,000	246,874	202,500	359,000	359,000
623570	Laboratory Testing Supplies, Small Equipment, and Chemicals	2,546	-	20,200	20,116	20,200	-	-
623660	Cleaning Supplies	-	1,300	1,300	1,164	1,200	2,200	2,200
623680	Tools and Supplies	19,184	24,000	18,300	16,110	14,500	19,500	19,500
623700	Wearing Apparel	1,618	1,000	1,000	714	800	1,500	1,500
623780	Safety and Medical Supplies	6,323	8,000	45,700	40,419	14,700	6,500	6,500
623800	Computer Software	-	2,000	2,000	-	-	1,000	1,000
623810	Computer Supplies	-	600	600	600	500	2,000	2,000
623820	Fuel	111,971	253,100	208,100	203,092	124,900	157,000	157,000
623860	Lubricants	-	2,500	2,500	1,012	2,200	500	500
623990	Materials and Supplies, N.O.C.	27,561	20,000	52,500	52,326	44,700	18,900	18,900
300	TOTAL MATERIALS AND SUPPLIES	467,427	989,900	874,000	791,251	613,300	908,500	908,500

101 66000 Fund: Corporate Department: Maintenance & Operations Division: General		LINE ITEM ANALYSIS						
		2015	2016			2017		
Account Number	Account Name	Expenditure	Original Appropriation	Adjusted Appropriation 09/30/16	Expenditure (Committed Budget plus Disbursement) 09/30/16	Estimated Expenditure 12/31/16	Proposed by Executive Director	Recommended by Committee on Budget and Employment
TOTAL GENERAL DIVISION		\$ 20,108,781	\$ 23,111,200	\$ 23,365,700	\$ 19,569,756	\$ 19,863,600	\$ 26,598,400	\$ 26,668,400

NOTES: 1. Amounts may not add up due to rounding.
 2. Departmental appropriation totals for salaries in the Line Item Analysis may differ from those contained in the Position Analysis by a factor identified to adjust for vacancies. Additionally, Estimated Expenditure may either exceed Adjusted Appropriation when transfers of funds are anticipated or be less than Expenditure (Committed Budget plus Disbursement) when not all commitments are anticipated to be completed by year-end.
 3. Effective 01/01/2016, professional services previously included in Personal Services (accounts 601170, 601410, 601420, 601430, and 601440) were reclassified to Contractual Services (accounts 612430, 612440, 612450, 612460, and 612470 respectively).
 4. For the M&O Department, Expenditure (Committed Budget plus Disbursement) may exceed Adjusted Appropriation for a specific division as funding is controlled at the M&O Overall department-level.

101 67000	Fund: Corporate Department: Maintenance & Operations Division: North Service Area	LINE ITEM ANALYSIS						
		2015	2016				2017	
Account Number	Account Name	Expenditure	Original Appropriation	Adjusted Appropriation 09/30/16	Expenditure (Committed Budget plus Disbursement) 09/30/16	Estimated Expenditure 12/31/16	Proposed by Executive Director	Recommended by Committee on Budget and Employment
601010	Salaries of Regular Employees	\$ 23,496,825	\$ 24,676,400	\$ 24,676,400	\$ 16,889,531	\$ 23,070,800	\$ 23,061,800	\$ 23,061,800
601060	Compensation Plan Adjustments	1,186,643	1,167,900	1,132,800	935,955	1,132,800	1,195,300	1,195,300
601070	Social Security and Medicare Contributions	-	348,000	348,000	247,244	337,400	338,800	338,800
601100	Tuition and Training Payments	36,246	44,800	44,800	28,833	41,300	20,000	20,000
100	TOTAL PERSONAL SERVICES	24,719,714	26,237,100	26,202,000	18,101,563	24,582,300	24,615,900	24,615,900
612010	Travel	3,657	5,500	6,000	5,519	5,400	3,700	3,700
612030	Meals and Lodging	9,267	12,900	12,900	10,239	12,300	14,200	14,200
612050	Compensation for Personally-Owned Automobiles	35,059	35,800	35,800	21,175	31,000	30,800	30,800
612080	Motor Vehicle Operating Services	260	200	200	179	200	200	200
612150	Electrical Energy	7,497,283	8,428,900	8,428,900	4,780,151	8,216,500	8,305,600	8,278,600
612160	Natural Gas	455,698	692,100	692,100	267,658	680,000	589,800	567,500
612170	Water and Water Services	53,301	57,200	54,200	39,115	50,000	53,900	53,900
612210	Communication Services	106,829	148,400	167,600	167,561	165,000	135,000	135,000
612240	Testing and Inspection Services	22,977	38,900	38,900	29,835	27,100	31,700	31,700
612330	Rental Charges	22,451	40,700	9,400	6,070	7,000	12,900	12,900
612410	Governmental Service Charges	2,999,663	3,006,100	2,803,500	2,207,937	2,709,800	3,086,500	3,086,500
612420	Maintenance of Grounds and Pavements	31,552	59,900	66,400	49,904	47,700	35,000	35,000
612430	Payments for Professional Services	-	-	100	36	100	-	-
612490	Contractual Services, N.O.C.	361	8,000	8,000	2,842	3,200	4,200	4,200
612520	Waste Material Disposal Charges	508,152	534,400	507,400	502,973	496,400	537,400	537,400
612530	Farming Services	29,600	29,600	29,600	29,600	29,000	33,200	33,200
612600	Repairs to Collection Facilities	15,411	160,000	60,700	59,979	43,900	32,400	32,400
612650	Repairs to Process Facilities	733,349	1,183,700	1,181,400	1,110,054	776,200	1,086,900	1,099,200
612680	Repairs to Buildings	153,120	229,100	355,100	355,100	180,000	178,300	178,300
612760	Repairs to Material Handling and Farming Equipment	3,210	13,900	13,900	10,631	9,200	28,000	28,000
612780	Safety Repairs and Services	-	-	-	-	-	55,800	55,800
612860	Repairs to Vehicle Equipment	8,299	6,200	6,200	6,200	5,300	22,900	22,900
200	TOTAL CONTRACTUAL SERVICES	12,689,500	14,691,500	14,478,300	9,662,757	13,495,300	14,278,400	14,241,400
623030	Metals	3,485	10,000	10,000	10,044	9,500	7,000	7,000
623070	Electrical Parts and Supplies	250,944	442,300	534,300	519,045	414,300	457,200	457,200

101 67000	Fund: Corporate Department: Maintenance & Operations Division: North Service Area	LINE ITEM ANALYSIS						
		2015	2016				2017	
Account Number	Account Name	Expenditure	Original Appropriation	Adjusted Appropriation 09/30/16	Expenditure (Committed Budget plus Disbursement) 09/30/16	Estimated Expenditure 12/31/16	Proposed by Executive Director	Recommended by Committee on Budget and Employment
623090	Plumbing Accessories and Supplies	138,897	148,200	175,200	168,155	168,500	172,400	172,400
623110	Hardware	14,274	10,600	9,600	6,732	9,100	10,600	10,600
623130	Buildings, Grounds, Paving Materials, and Supplies	26,584	37,600	37,200	36,906	34,500	27,800	30,300
623190	Paints, Solvents, and Related Materials	516	2,600	2,600	2,640	1,200	2,600	2,600
623250	Vehicle Parts and Supplies	5,236	7,500	12,900	11,137	6,300	7,500	7,500
623270	Mechanical Repair Parts	432,727	580,700	460,700	410,908	404,000	380,800	380,800
623520	Office, Printing, and Photo Supplies, Equipment, and Furniture	18,492	21,000	20,900	20,897	19,600	18,500	18,500
623560	Processing Chemicals	490,960	1,371,600	1,201,100	1,173,830	773,800	1,393,800	1,393,800
623570	Laboratory Testing Supplies, Small Equipment, and Chemicals	13,941	22,600	12,300	11,839	11,500	25,000	25,000
623660	Cleaning Supplies	86	200	200	-	100	100	100
623680	Tools and Supplies	52,059	50,700	41,600	36,184	37,500	125,100	125,100
623780	Safety and Medical Supplies	27,745	23,500	23,500	18,129	19,500	22,900	22,900
623800	Computer Software	-	-	-	-	-	700	700
623810	Computer Supplies	1,418	7,800	7,800	7,184	7,500	1,500	1,500
623820	Fuel	9,557	16,200	16,200	8,078	8,500	8,800	8,800
623840	Gases	689	1,100	1,100	-	600	500	500
623860	Lubricants	1,007	3,600	4,400	3,028	4,200	500	500
623990	Materials and Supplies, N.O.C.	1,933	1,700	1,600	1,500	1,600	1,700	9,200
300	TOTAL MATERIALS AND SUPPLIES	1,490,549	2,759,500	2,573,200	2,446,237	1,931,800	2,665,000	2,675,000
634600	Equipment for Collection Facilities	80,936	50,000	50,000	46,477	42,500	50,000	50,000
634650	Equipment for Process Facilities	133,757	92,000	105,500	102,030	80,100	72,000	72,000
634970	Testing and Laboratory Equipment	-	-	-	-	-	6,000	6,000
400	TOTAL MACHINERY AND EQUIPMENT	214,693	142,000	155,500	148,506	122,600	128,000	128,000
TOTAL NORTH SERVICE AREA		\$ 39,114,456	\$ 43,830,100	\$ 43,409,000	\$ 30,359,064	\$ 40,132,000	\$ 41,687,300	\$ 41,660,300

NOTES: 1. Amounts may not add up due to rounding.
 2. Departmental appropriation totals for salaries in the Line Item Analysis may differ from those contained in the Position Analysis by a factor identified to adjust for vacancies. Additionally, Estimated Expenditure may either exceed Adjusted Appropriation when transfers of funds are anticipated or be less than Expenditure (Committed Budget plus Disbursement) when not all commitments are anticipated to be completed by year-end.
 3. For the M&O Department, Expenditure (Committed Budget plus Disbursement) may exceed Adjusted Appropriation for a specific division as funding is controlled at the M&O Overall department-level.

101 68000	Fund: Corporate Department: Maintenance & Operations Division: Calumet Service Area	LINE ITEM ANALYSIS						
		2015	2016			2017		
Account Number	Account Name	Expenditure	Original Appropriation	Adjusted Appropriation 09/30/16	Expenditure (Committed Budget plus Disbursement) 09/30/16	Estimated Expenditure 12/31/16	Proposed by Executive Director	Recommended by Committee on Budget and Employment
601010	Salaries of Regular Employees	\$ 17,304,031	\$ 17,981,300	\$ 17,981,300	\$ 12,428,272	\$ 17,162,200	\$ 17,306,100	\$ 17,306,100
601060	Compensation Plan Adjustments	834,720	824,100	800,100	564,593	800,100	825,600	825,600
601070	Social Security and Medicare Contributions	-	273,300	273,300	185,892	262,300	259,000	259,000
601080	Salaries of Nonbudgeted Employees	14,664	-	1,600	1,544	1,600	4,900	4,900
601100	Tuition and Training Payments	19,389	110,900	110,900	5,233	88,500	52,800	52,800
601170	Payments for Professional Services	53,433	-	-	-	-	-	-
100	TOTAL PERSONAL SERVICES	18,226,237	19,189,600	19,167,200	13,185,533	18,314,700	18,448,400	18,448,400
612010	Travel	11	26,300	26,300	-	20,000	13,900	13,900
612030	Meals and Lodging	8,024	47,600	47,600	4,103	35,300	32,300	32,300
612050	Compensation for Personally-Owned Automobiles	53,413	57,500	57,500	45,836	57,500	45,700	45,700
612080	Motor Vehicle Operating Services	136	700	700	70	300	100	100
612150	Electrical Energy	8,835,887	9,102,100	9,102,100	5,579,935	8,572,700	9,759,500	9,724,500
612160	Natural Gas	346,132	626,200	626,200	328,405	626,200	626,200	626,200
612170	Water and Water Services	385,783	397,600	389,600	271,153	389,300	398,400	398,400
612210	Communication Services	96,711	162,000	232,200	232,186	223,000	152,000	152,000
612240	Testing and Inspection Services	25,285	70,700	70,700	56,034	50,900	62,900	62,900
612330	Rental Charges	440	19,700	9,700	4,750	1,200	300	300
612410	Governmental Service Charges	99,869	105,400	105,400	97,136	100,000	103,000	103,000
612420	Maintenance of Grounds and Pavements	613,998	20,000	13,500	-	2,500	20,000	20,000
612430	Payments for Professional Services	-	-	100	50	100	-	-
612490	Contractual Services, N.O.C.	106,599	21,300	21,300	14,418	12,100	12,300	12,300
612520	Waste Material Disposal Charges	408,171	417,800	417,800	354,690	385,400	438,600	438,600
612600	Repairs to Collection Facilities	261,761	399,900	362,700	261,400	301,200	145,100	145,100
612650	Repairs to Process Facilities	1,800,309	1,690,800	1,693,100	1,657,542	1,324,000	1,349,900	1,349,900
612680	Repairs to Buildings	242,058	395,200	350,100	332,289	124,800	285,000	285,000
612760	Repairs to Material Handling and Farming Equipment	41,518	40,700	40,700	40,700	36,000	50,000	50,000
612780	Safety Repairs and Services	19,122	20,900	20,900	20,850	20,000	16,300	16,300
612860	Repairs to Vehicle Equipment	47,985	39,600	39,600	39,025	39,600	30,900	30,900
612990	Repairs, N.O.C.	3,088	7,300	7,300	6,625	4,800	4,800	4,800
200	TOTAL CONTRACTUAL SERVICES	13,396,299	13,669,300	13,635,100	9,347,196	12,326,900	13,547,200	13,512,200

101 68000	Fund: Corporate Department: Maintenance & Operations Division: Calumet Service Area	LINE ITEM ANALYSIS						
		2015	2016				2017	
Account Number	Account Name	Expenditure	Original Appropriation	Adjusted Appropriation 09/30/16	Expenditure (Committed Budget plus Disbursement) 09/30/16	Estimated Expenditure 12/31/16	Proposed by Executive Director	Recommended by Committee on Budget and Employment
623030	Metals	9,840	15,900	15,900	13,000	9,900	10,100	10,100
623070	Electrical Parts and Supplies	199,558	334,400	349,400	320,769	309,400	254,500	254,500
623090	Plumbing Accessories and Supplies	147,406	241,100	181,700	129,055	163,100	198,000	198,000
623110	Hardware	3,682	4,300	4,300	3,600	3,600	2,800	2,800
623130	Buildings, Grounds, Paving Materials, and Supplies	45,335	47,400	44,400	43,963	41,500	42,000	42,000
623190	Paints, Solvents, and Related Materials	2,413	3,000	3,000	2,958	2,700	2,500	2,500
623250	Vehicle Parts and Supplies	27,376	29,800	29,800	29,800	27,000	29,800	29,800
623270	Mechanical Repair Parts	303,088	550,900	471,800	355,151	93,300	645,800	645,800
623520	Office, Printing, and Photo Supplies, Equipment, and Furniture	8,110	16,200	16,200	15,738	14,300	7,900	7,900
623530	Farming Supplies	4,949	-	-	-	-	-	-
623560	Processing Chemicals	41,880	3,713,500	3,043,300	3,036,919	2,211,400	3,811,800	3,811,800
623660	Cleaning Supplies	1,439	2,300	2,300	2,260	2,000	1,400	1,400
623680	Tools and Supplies	41,135	52,500	43,000	35,450	38,000	111,400	111,400
623720	Books, Maps, and Charts	-	200	200	-	-	-	-
623780	Safety and Medical Supplies	30,298	53,500	53,500	17,519	30,800	17,000	17,000
623810	Computer Supplies	581	400	400	285	400	300	300
623820	Fuel	46,496	41,500	41,500	26,600	26,000	27,200	27,200
623860	Lubricants	11,493	14,900	14,100	2,000	13,700	3,500	3,500
623990	Materials and Supplies, N.O.C.	8,165	23,800	17,600	17,600	16,500	13,100	13,100
300	TOTAL MATERIALS AND SUPPLIES	933,243	5,145,600	4,332,400	4,052,666	3,003,600	5,179,100	5,179,100
634650	Equipment for Process Facilities	-	28,000	28,000	12,520	23,200	28,000	28,000
634860	Vehicle Equipment	-	7,000	7,000	5,597	5,600	5,000	5,000
400	TOTAL MACHINERY AND EQUIPMENT	-	35,000	35,000	18,117	28,800	33,000	33,000
TOTAL CALUMET SERVICE AREA		\$ 32,555,780	\$ 38,039,500	\$ 37,169,700	\$ 26,603,513	\$ 33,674,000	\$ 37,207,700	\$ 37,172,700

NOTES: 1. Amounts may not add up due to rounding.
 2. Departmental appropriation totals for salaries in the Line Item Analysis may differ from those contained in the Position Analysis by a factor identified to adjust for vacancies. Additionally, Estimated Expenditure may either exceed Adjusted Appropriation when transfers of funds are anticipated or be less than Expenditure (Committed Budget plus Disbursement) when not all commitments are anticipated to be completed by year-end.
 3. Effective 01/01/2016, professional services previously included in Personal Services (accounts 601170, 601410, 601420, 601430, and 601440) were reclassified to Contractual Services (accounts 612430, 612440, 612450, 612460, and 612470 respectively).
 4. For the M&O Department, Expenditure (Committed Budget plus Disbursement) may exceed Adjusted Appropriation for a specific division as funding is controlled at the M&O Overall department-level.

101 69000	Fund: Corporate Department: Maintenance & Operations Division: Stickney Service Area	LINE ITEM ANALYSIS						
		2015	2016				2017	
Account Number	Account Name	Expenditure	Original Appropriation	Adjusted Appropriation 09/30/16	Expenditure (Committed Budget plus Disbursement) 09/30/16	Estimated Expenditure 12/31/16	Proposed by Executive Director	Recommended by Committee on Budget and Employment
601010	Salaries of Regular Employees	\$ 34,760,198	\$ 36,236,600	\$ 36,236,600	\$ 25,192,195	\$ 34,575,300	\$ 34,950,400	\$ 34,950,400
601060	Compensation Plan Adjustments	2,030,760	1,915,600	1,859,700	1,595,931	1,850,000	2,115,500	2,115,500
601070	Social Security and Medicare Contributions	-	554,800	554,800	378,926	554,000	508,700	508,700
601080	Salaries of Nonbudgeted Employees	4,566	-	-	-	-	10,200	10,200
601100	Tuition and Training Payments	91,203	148,000	148,000	85,010	135,000	177,000	177,000
601170	Payments for Professional Services	97,959	-	-	-	-	-	-
100	TOTAL PERSONAL SERVICES	36,984,685	38,855,000	38,799,100	27,252,062	37,114,300	37,761,800	37,761,800
612010	Travel	2,926	13,300	13,300	3,304	6,000	15,000	15,000
612030	Meals and Lodging	13,499	28,000	28,000	11,635	10,700	18,000	18,000
612050	Compensation for Personally-Owned Automobiles	77,721	84,700	84,700	48,248	72,000	64,100	64,100
612080	Motor Vehicle Operating Services	216	700	600	168	600	1,000	1,000
612150	Electrical Energy	18,469,408	18,621,100	18,621,100	12,098,639	18,621,100	18,633,200	18,366,200
612160	Natural Gas	1,157,716	1,500,000	1,500,000	840,240	1,500,000	1,565,700	1,565,700
612170	Water and Water Services	1,184,534	1,242,200	1,233,200	875,777	1,215,000	1,254,700	1,254,700
612210	Communication Services	75,045	127,100	142,700	142,685	114,100	117,000	117,000
612240	Testing and Inspection Services	130,416	55,500	55,500	26,389	53,000	61,500	61,500
612330	Rental Charges	120,652	128,800	169,900	141,097	167,000	146,500	146,500
612410	Governmental Service Charges	89,880	89,500	89,500	73,000	89,500	89,700	89,700
612420	Maintenance of Grounds and Pavements	872,620	312,700	174,400	171,222	170,000	215,100	215,100
612430	Payments for Professional Services	-	18,000	18,000	18,000	18,000	18,000	18,000
612490	Contractual Services, N.O.C.	345,024	381,500	378,900	344,301	340,000	81,600	340,600
612520	Waste Material Disposal Charges	563,725	680,000	680,000	680,000	600,000	606,500	606,500
612590	Sludge Disposal	3,604,252	5,000,000	5,000,000	5,000,000	2,598,800	3,204,300	3,204,300
612600	Repairs to Collection Facilities	1,959,053	2,126,100	2,091,600	1,975,059	1,160,000	2,206,300	2,206,300
612620	Repairs to Waterway Facilities	14,986	3,000	3,000	-	3,000	10,000	10,000
612650	Repairs to Process Facilities	3,436,475	2,743,700	2,743,700	2,685,667	1,953,800	2,495,200	2,495,200
612670	Repairs to Railroads	263,900	478,700	478,700	476,333	345,000	302,600	302,600
612680	Repairs to Buildings	343,865	575,300	500,300	498,609	320,000	547,500	547,500

101 69000	Fund: Corporate Department: Maintenance & Operations Division: Stickney Service Area	LINE ITEM ANALYSIS						
		2015	2016				2017	
Account Number	Account Name	Expenditure	Original Appropriation	Adjusted Appropriation 09/30/16	Expenditure (Committed Budget plus Disbursement) 09/30/16	Estimated Expenditure 12/31/16	Proposed by Executive Director	Recommended by Committee on Budget and Employment
612760	Repairs to Material Handling and Farming Equipment	12,407	34,600	34,600	32,100	30,000	-	-
612780	Safety Repairs and Services	100,053	166,700	159,900	128,512	110,000	283,000	283,000
612840	Communications Equipment Maintenance (Includes Software)	-	15,000	15,000	9,900	-	-	-
612860	Repairs to Vehicle Equipment	9,220	25,600	25,600	25,175	23,000	15,700	15,700
612990	Repairs, N.O.C.	1,006	10,700	10,700	9,934	9,900	11,800	11,800
200	TOTAL CONTRACTUAL SERVICES	32,848,599	34,462,500	34,252,900	26,315,993	29,530,500	31,964,000	31,956,000
623030	Metals	25,751	14,100	14,100	12,000	9,200	17,900	17,900
623070	Electrical Parts and Supplies	785,293	627,100	677,100	667,203	677,100	1,073,300	1,073,300
623090	Plumbing Accessories and Supplies	298,009	337,600	332,600	314,774	332,600	271,600	271,600
623110	Hardware	2,447	6,000	4,700	500	4,500	2,500	2,500
623130	Buildings, Grounds, Paving Materials, and Supplies	50,835	63,700	68,200	67,828	65,000	64,200	64,200
623170	Fiber, Paper, and Insulation Materials	8,837	15,000	15,000	9,800	5,000	14,100	14,100
623190	Paints, Solvents, and Related Materials	1,897	4,400	4,400	2,000	2,000	1,900	1,900
623250	Vehicle Parts and Supplies	19,253	64,100	58,700	58,340	55,000	48,300	48,300
623270	Mechanical Repair Parts	1,279,322	903,500	903,500	902,002	815,000	1,144,100	1,144,100
623300	Manhole Materials	9,863	-	8,500	-	8,400	-	-
623520	Office, Printing, and Photo Supplies, Equipment, and Furniture	16,843	13,900	13,900	12,251	7,500	15,700	15,700
623560	Processing Chemicals	6,809,087	6,958,800	7,940,000	7,939,193	7,398,700	8,169,600	8,169,600
623570	Laboratory Testing Supplies, Small Equipment, and Chemicals	-	-	100	49	100	-	-
623660	Cleaning Supplies	617	1,200	1,200	391	700	1,300	1,300
623680	Tools and Supplies	88,634	104,200	127,300	99,929	125,000	244,000	244,000
623700	Wearing Apparel	-	500	500	-	100	900	900
623780	Safety and Medical Supplies	13,575	64,400	26,500	13,796	9,300	13,900	13,900
623800	Computer Software	5,634	4,000	4,000	110	2,000	5,800	5,800
623810	Computer Supplies	13,010	10,000	9,600	5,770	8,700	13,300	13,300
623820	Fuel	55,798	125,000	86,000	76,050	69,000	107,000	107,000

101 69000		Fund: Corporate Department: Maintenance & Operations Division: Stickney Service Area		LINE ITEM ANALYSIS				
		2015	2016			2017		
Account Number	Account Name	Expenditure	Original Appropriation	Adjusted Appropriation 09/30/16	Expenditure (Committed Budget plus Disbursement) 09/30/16	Estimated Expenditure 12/31/16	Proposed by Executive Director	Recommended by Committee on Budget and Employment
623840	Gases	2,815	6,900	6,900	6,900	6,500	4,500	4,500
623850	Communications Supplies	1,683	3,000	3,000	520	1,100	900	900
623860	Lubricants	2,633	4,200	4,200	749	500	500	500
623990	Materials and Supplies, N.O.C.	18,867	48,900	22,700	21,654	21,000	66,300	66,300
300	TOTAL MATERIALS AND SUPPLIES	9,510,702	9,380,500	10,332,700	10,211,810	9,624,000	11,281,600	11,281,600
634650	Equipment for Process Facilities	6,480	41,000	27,500	20,100	20,000	-	-
634760	Material Handling and Farming Equipment	4,487	-	-	-	-	-	-
634860	Vehicle Equipment	-	-	-	-	-	5,000	5,000
634970	Testing and Laboratory Equipment	5,395	6,000	6,000	-	-	-	-
400	TOTAL MACHINERY AND EQUIPMENT	16,362	47,000	33,500	20,100	20,000	5,000	5,000
TOTAL STICKNEY SERVICE AREA		\$ 79,360,348	\$ 82,745,000	\$ 83,418,200	\$ 63,799,966	\$ 76,288,800	\$ 81,012,400	\$ 81,004,400

NOTES: 1. Amounts may not add up due to rounding.
 2. Departmental appropriation totals for salaries in the Line Item Analysis may differ from those contained in the Position Analysis by a factor identified to adjust for vacancies. Additionally, Estimated Expenditure may either exceed Adjusted Appropriation when transfers of funds are anticipated or be less than Expenditure (Committed Budget plus Disbursement) when not all commitments are anticipated to be completed by year-end.
 3. Effective 01/01/2016, professional services previously included in Personal Services (accounts 601170, 601410, 601420, 601430, and 601440) were reclassified to Contractual Services (accounts 612430, 612440, 612450, 612460, and 612470 respectively).
 4. For the M&O Department, Expenditure (Committed Budget plus Disbursement) may exceed Adjusted Appropriation for a specific division as funding is controlled at the M&O Overall department-level.

101 50000	Fund: Corporate Department: Engineering Division:	LINE ITEM ANALYSIS						
		2015	2016				2017	
Account Number	Account Name	Expenditure	Original Appropriation	Adjusted Appropriation 09/30/16	Expenditure (Committed Budget plus Disbursement) 09/30/16	Estimated Expenditure 12/31/16	Proposed by Executive Director	Recommended by Committee on Budget and Employment
601010	Salaries of Regular Employees	\$ 24,340,374	\$ 26,420,800	\$ 26,420,800	\$ 17,759,622	\$ 24,275,000	\$ 26,934,500	\$ 26,934,500
601060	Compensation Plan Adjustments	419,027	409,200	409,200	156,038	260,000	586,600	586,600
601070	Social Security and Medicare Contributions	-	370,200	370,200	254,151	362,800	374,700	374,700
601100	Tuition and Training Payments	113,151	100,000	100,000	94,358	100,000	150,000	150,000
601170	Payments for Professional Services	453,485	-	-	-	-	-	-
601410	Personal Services Exp for Prelim Engineering Rpts and Studies	100,001	-	-	-	-	-	-
100	TOTAL PERSONAL SERVICES	25,426,037	27,300,200	27,300,200	18,264,169	24,997,800	28,045,800	28,045,800
612010	Travel	9,338	15,000	15,000	6,445	13,500	12,000	12,000
612030	Meals and Lodging	19,021	20,000	20,000	17,111	20,000	25,000	25,000
612040	Postage, Freight, and Delivery Charges	1,993	2,000	2,000	2,000	2,000	2,500	2,500
612050	Compensation for Personally-Owned Automobiles	24,424	30,000	30,000	11,327	15,000	15,000	15,000
612080	Motor Vehicle Operating Services	360	900	900	342	600	1,000	1,000
612090	Reprographic Services	4,048	6,200	6,200	5,000	4,500	5,000	5,000
612170	Water and Water Services	3,053	3,200	3,200	3,200	3,100	3,200	3,200
612330	Rental Charges	4,426	3,700	3,700	-	500	500	500
612430	Payments for Professional Services	-	442,600	414,000	307,122	259,400	244,300	239,300
612440	Preliminary Engineering Reports and Studies	-	40,000	65,000	65,000	40,000	22,000	27,000
612490	Contractual Services, N.O.C.	78,651	100,000	83,600	78,559	78,600	85,000	85,000
612620	Repairs to Waterway Facilities	9,628	9,700	29,700	29,564	29,600	43,200	43,200
612970	Repairs to Testing and Laboratory Equipment	1,123	4,000	4,000	3,400	3,500	4,500	4,500
612990	Repairs, N.O.C.	7,848	11,900	11,900	10,186	10,200	9,800	9,800
200	TOTAL CONTRACTUAL SERVICES	163,914	689,200	689,200	539,257	480,500	473,000	473,000
623520	Office, Printing, and Photo Supplies, Equipment, and Furniture	30,851	58,000	58,000	48,215	50,000	40,500	40,500
623680	Tools and Supplies	-	-	-	-	-	10,000	10,000
623700	Wearing Apparel	5,424	7,500	7,500	6,499	6,500	7,500	7,500
623720	Books, Maps, and Charts	6,873	8,100	8,100	7,263	7,900	7,200	7,200

101 50000	Fund: Corporate Department: Engineering Division:	LINE ITEM ANALYSIS						
		2015	2016			2017		
Account Number	Account Name	Expenditure	Original Appropriation	Adjusted Appropriation 09/30/16	Expenditure (Committed Budget plus Disbursement) 09/30/16	Estimated Expenditure 12/31/16	Proposed by Executive Director	Recommended by Committee on Budget and Employment
623990	Materials and Supplies, N.O.C.	2,346	9,900	9,900	6,819	8,500	5,000	5,000
300	TOTAL MATERIALS AND SUPPLIES	45,494	83,500	83,500	68,797	72,900	70,200	70,200
656010	Land	326,181	-	-	-	-	-	-
600	TOTAL LAND	326,181	-	-	-	-	-	-
TOTAL ENGINEERING		\$ 25,961,626	\$ 28,072,900	\$ 28,072,900	\$ 18,872,223	\$ 25,551,200	\$ 28,589,000	\$ 28,589,000

NOTES: 1. Amounts may not add up due to rounding.
 2. Departmental appropriation totals for salaries in the Line Item Analysis may differ from those contained in the Position Analysis by a factor identified to adjust for vacancies. Additionally, Estimated Expenditure may either exceed Adjusted Appropriation when transfers of funds are anticipated or be less than Expenditure (Committed Budget plus Disbursement) when not all commitments are anticipated to be completed by year-end.
 3. Effective 01/01/2016, professional services previously included in Personal Services (accounts 601170, 601410, 601420, 601430, and 601440) were reclassified to Contractual Services (accounts 612430, 612440, 612450, 612460, and 612470 respectively).

Fund: Corporate Dept: Engineering Division:		POSITION ANALYSIS				
		2015	2016		2017	
					PROPOSED BY THE EXECUTIVE DIRECTOR	
PAY PLAN & GRADE	CLASS TITLE	ACTUAL FTEs	BUDGETED FTEs	APPROPRIATION IN DOLLARS	BUDGETED FTEs	APPROPRIATION IN DOLLARS
515	Collection Facilities / TARP Section					
HP20	Managing Civil Engineer	1	1		1	
HP18	Principal Civil Engineer	3	3		3	
HP17	Senior Civil Engineer	5	6		6	
HP15	Associate Civil Engineer	5	4		3	
HP14	Assistant Civil Engineer	2	2		3	
HP14	Engineering Technician V	1	1		1	
HP14	Engineering Technician V #4	1	1		1	
HP13	Engineering Draftsman III	1	1		1	
HP12	Engineering Technician IV	2	2		3	
HP11	Engineering Technician III	2	3		3	
TOTAL	Collection Facilities / TARP Section	23	24	2,580,667.44	25	2,619,706.18
516	Local Sewer Systems Section					
	(* Number of positions budgeted and funded by the Stormwater Management Fund appears below position count)					
HP18	Principal Civil Engineer	2	2		2	
		(*1)	(*1)		(*1)	
HP17	Senior Civil Engineer	7	7		7	
		(*1)	(*2)		(*2)	
HP15	Associate Civil Engineer	5	5		6	
		(*2)	(*3)		(*3)	
HP14	Assistant Civil Engineer	3	3		2	
		(*2)	(*2)		(*2)	
HP14	Assistant Mechanical Engineer	-	-		1	
HP14	Engineering Technician V	2	2		3	
HP14	Engineering Technician V #4	1	1		-	
HP12	Administrative Assistant #2 (Administrative Specialist) (New Grade HP11)	1	-		-	
HP12	Engineering Technician IV	2	2		2	
		(*1)	(*2)		(*1)	
HP12	Engineering Technician IV #4	1	1		1	
HP11	Administrative Specialist	-	1		1	
HP11	Engineering Technician III	1	1		1	

Fund: Corporate Dept: Engineering Division:		POSITION ANALYSIS				
		2015	2016		2017	
					PROPOSED BY THE EXECUTIVE DIRECTOR	
PAY PLAN & GRADE	CLASS TITLE	ACTUAL FTEs	BUDGETED FTEs	APPROPRIATION IN DOLLARS	BUDGETED FTEs	APPROPRIATION IN DOLLARS
HP15	Associate Civil Engineer	1	1		2	
HP14	Assistant Civil Engineer	1	1		1	
HP14	Assistant Mechanical Engineer	1	1		1	
HP13	Senior Administrative Specialist	1	1		1	
TOTAL	Program Management Section	7	7	768,742.26	7	807,232.66
556	Construction Field Services Section					
HP20	Managing Civil Engineer	1	1		1	
HP18	Principal Civil Engineer	3	4		4	
HP18	Principal Electrical Engineer	3	3		3	
HP18	Principal Engineer	1	-		-	
HP17	Senior Civil Engineer	10	10		10	
HP17	Senior Electrical Engineer	3	3		3	
HP17	Senior Mechanical Engineer	2	2		2	
HP15	Associate Civil Engineer	11	11		11	
HP15	Associate Civil Engineer #2 (Engineering Technician V) (New Grade HP14)	-	-		1	
HP15	Associate Electrical Engineer	3	3		3	
HP15	Associate Mechanical Engineer	2	2		4	
HP15	Associate Structural Engineer	1	1		1	
HP14	Assistant Civil Engineer	7	7		5	
HP14	Assistant Electrical Engineer	2	2		2	
HP14	Assistant Mechanical Engineer	1	1		1	
HP14	Engineering Technician V	11	12		12	
HP14	Engineering Technician V #4	4	3		3	
HP12	Administrative Assistant #2 (Administrative Specialist) (New Grade HP11)	1	1		1	
HP12	Engineering Technician IV	8	9		9	
HP12	Engineering Technician IV #4	2	1		1	
HP11	Administrative Specialist	-	1		-	

Fund: Corporate Dept: Engineering Division:		POSITION ANALYSIS				
		2015	2016		2017	
					PROPOSED BY THE EXECUTIVE DIRECTOR	
PAY PLAN & GRADE	CLASS TITLE	ACTUAL FTEs	BUDGETED FTEs	APPROPRIATION IN DOLLARS	BUDGETED FTEs	APPROPRIATION IN DOLLARS
HP11	Engineering Technician III	6	6		7	
TOTAL	Construction Field Services Section	82	83	8,414,026.66	84	8,672,796.08
TOTAL	Construction Division	92	93	9,547,708.04	93	9,772,343.10
TOTAL	Engineering	242	244	26,554,650.20	246	27,069,788.72
TOTAL	Stormwater Management Fund Positions	(*28)	(*32)		(*30)	

Note: Thirty positions budgeted in Sections 516 and 522 are funded by the Stormwater Management Fund, while the operations remain in the Engineering Department.

NOTE: Departmental appropriation totals for salaries in the Position Analysis differ from those contained in the Line Item Analysis by a factor identified to adjust for vacancies. Salary ranges corresponding to the pay plan and grade for each class title can be found in the table of Salary Schedules in the Appendix.

Construction Fund Program

<u>Projects Under Construction</u>			Est.	MWRD		Award
#	Project Name	Project Number	Construc- tion Cost	2017 Appro- piation	Dura- tion (days)	/ Est. Award Date
1	Television Inspection and Recording of Sewer and Manholes, District-wide	13-805-2S	\$ 1,496	\$ 157	1,096	Sep-14
2	FD&I New Tank Drives, LWRP	14-806-21	975	300	1,114	Sep-14
3	Parking Lot Replacement, EWRP	14-714-21	1,462	300	458	Oct-15
4	Rehabilitation of Hydraulic Operator at TARP Gate Structure 1, CSA	15-802-21	1,324	1,000	551	Nov-15
5	FD&I New Boilers at the 125th Street Pumping Station, CSA	14-811-21	379	374	578	Dec-15
6	Restoration of Process Control Building, OWRP	15-711-21	484	484	396	May-16
7	Rehabilitate the Digester Gas Turbine, SWRP	15-913-21	2,038	759	484	May-16
8	Rebuild Two Raw Sewage Pump Rotating Assemblies, OWRP	16-705-21	219	219	209	Aug-16
9	Pavement Rehabilitation, District-wide	16-902-21	1,147	697	487	Aug-16
10	F&D Vacuum Pump Priming System at the 95th Street Pumping Station, CSA	16-806-21	200	150	406	Oct-16
11	Design and Build a Native Plant and Tree Nursery at Fischer Farm, HPWRP	16-RFP-09	3,400	2,900	1,167	Oct-16
12	IWD and Construction Office Renovation, CWRP	16-268-2V	2,200	2,000	395	Nov-16
13	F&D Services to Recondition Various Circuit Breakers, SWRP	15-914-21	131	80	124	Nov-16
14	Repair and Rehabilitation of the Gloria Alitto Majewski Reservoir, KWRP	16-708-21	223	100	486	Dec-16
15	Rehabilitation of Elevators, MOB	16-419-21	600	550	120	Dec-16
16	Applicant Tracking	16-RFP-02	147	147	395	Dec-16
Total Projects Under Construction			\$ 16,425	\$ 10,217		
<u>Awards in 2017</u>			Est.	MWRD		Est.
#	Project Name	Project Number	Construc- tion Cost	2017 Appro- piation	Dura- tion (days)	Award Date
1	Procurement of Membrane Aerated Biofilm Reactor Cassettes for Pilot Plant, HPWRP	15-534-2C	\$ 800	\$ 400	516	Jan-17
2	FD&I Upgraded Sludge Concentration Conveyor, CWRP	16-802-21	250	250	364	Jan-17
3	F&D Windrow Turner, LASMA	17-603-21	650	650	59	Jan-17
4	Roof Life Extension, MOB	J15090-064	250	250	365	Jan-17
5	CAFR Hosted Solution	17-RFP-08	125	125	243	Jan-17
6	Database Consolidation Project	MWD0000014IT	264	264	365	Jan-17
7	FD&I Disc Filters, HPWRP	17-708-21	1,500	1,200	449	Jan-17
8	Stickney Effluent Reuse Line, SSA	14-107-2J	600	600	212	Feb-17
9	Installation of Baffle Plates in Final Settling Tanks, OWRP	15-074-2D	1,600	640	758	Feb-17
10	F&D Replacement Gearbox for SEPA 4, CSA	16-815-21	225	225	333	Feb-17
11	Overhaul Motor and Magnetic Drive for Raw Sewage Pump No. 3, KWRP	17-710-21	120	120	119	Feb-17
12	Backup and Retention Project	MWD0000011IT	95	95	119	Feb-17
13	F&D Turbo Blower, LWRP	17-802-21	170	170	255	Feb-17
14	F&D One Volute Dewatering Press, SWRP	16-1xx-21	1,000	1,000	305	Mar-17

Awards in 2017 (continued)			Est.	MWRD		Est.
#	Project Name	Project Number	Construc- tion Cost	2017 Appro- priation	Dura- tion (days)	Award Date
15	FD&I Upgraded Coarse Screen Conveyor System at the North Branch Pumping Station, NSA	16-704-21	\$ 150	\$ 150	305	Mar-17
16	Painting of Final Tanks, District-wide	17-601-21	1,632	776	974	Mar-17
17	F&D Stake Body Truck, EWRP	17-703-21	82	82	305	Mar-17
18	Replace Air Conditioning Units at Waterways Control Center, MOB	J15090-065	20	20	92	Mar-17
19	ITD Infrastructure Upgrades	MWD0000005IT	163	163	152	Mar-17
20	F&D Air Lift Blower, EWRP	17-704-21	100	100	209	Mar-17
21	Installation of Drain Tiles and Bioreactors, Fulton County	16-605-21	150	150	299	Mar-17
22	F&D Dump Truck, OWRP	17-706-21	175	175	305	Mar-17
23	SAP Simplification (includes SAP A/R Module)	17-RFP-06	100	100	305	Mar-17
24	Document Management System Assessment	17-RFP-07	50	50	275	Mar-17
25	FD&I Headrace Handrail, LPH	17-604-21	50	50	91	Apr-17
26	Avaya Telecom Project	MWD0000013IT	235	71	486	Apr-17
27	Cofferdam Services, LPH	17-605-21	375	375	274	Apr-17
28	Telemetry Replacement for Outlying Stations	17-606-21	645	215	419	Apr-17
29	FD&I Grit Screw Conveyors, SWRP	17-902-21	2,400	600	1,272	Apr-17
30	Coarse Screen Area Beam Restoration, RAPS	J69943-029.A	100	100	182	Apr-17
31	Pump Rehabilitation and Diverter Gate Installation, EWRP	16-412-2M	150	150	275	May-17
32	FD&I Boiler for Equipment Garage, CWRP	16-805-21	240	240	152	May-17
33	FD&I Boiler Controls, SWRP	16-901-21	1,300	650	606	May-17
34	F&D Storm Pump for the Deerfield Reservoir, NSA	17-701-21	100	100	244	May-17
35	Security Cameras, MOBC	MWD0000012IT	16	16	121	Jun-17
36	Algae Biomass Nutrient Recovery Demonstration Project Installation, OWRP	16-078-2J	500	500	183	Jun-17
37	F&D Interoperable Distributed Control System Workstations and TARP Controllers, Various Locations	17-901-21	125	125	213	Jun-17
38	HVAC Improvements, CWRP	16-803-21	180	180	152	Jul-17
39	F&D Programmable Logic Controllers, Chicago River Controlling Works	17-602-21	90	90	178	Jul-17
40	Touhy Avenue Reservoir Rehabilitation, NSA	17-705-21	450	450	153	Jul-17
41	Voice Over Internet Protocol Assessment	17-RFP-05	100	100	152	Aug-17
42	F&D Bar Screens, KWRP	17-709-21	300	300	122	Aug-17
43	Television Inspection and Recording of Sewer and Manholes, District-wide	13-806-2S	1,800	600	1,096	Sep-17
44	Membrane Aerated Biofilm Reactor Pilot Plant, HPWRP	15-534-2J	500	500	123	Oct-17
45	LSSS Permit DB and GIS Integration	17-RFP-09	50	50	365	Nov-17
Total 2017 Awards			\$ 19,977	\$ 13,217		
TOTAL 2017 PROJECTS			\$ 36,402	\$ 23,434		

Note: All cost figures are in thousands of dollars.

201 50000	Fund: Construction Department: Engineering Division:	LINE ITEM ANALYSIS						
		2015	2016				2017	
		Expenditure	Original Appropriation	Adjusted Appropriation 09/30/16	Expenditure (Committed Budget plus Disbursement) 09/30/16	Estimated Expenditure 12/31/16	Proposed by Executive Director	Recommended by Committee on Budget and Employment
601170	Payments for Professional Services	\$ 2,252,522	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
601410	Personal Services Exp for Prelim Engineering Rpts and Studies	425,025	-	-	-	-	-	-
601440	Personal Svcs for Post-Award Engr for Construction Projects	119,953	-	-	-	-	-	-
100	TOTAL PERSONAL SERVICES	2,797,500	-	-	-	-	-	-
612240	Testing and Inspection Services	871	-	-	-	-	600,000	600,000
612250	Court Reporting Services	485	-	-	-	-	-	-
612400	Intergovernmental Agreements	-	-	-	-	-	500,000	100,000
612430	Payments for Professional Services	-	3,832,100	2,877,100	2,064,227	2,087,400	4,368,600	3,634,900
612440	Preliminary Engineering Reports and Studies	-	55,000	114,900	14,849	14,900	-	-
612450	Professional Engineering Services for Construction Projects	-	1,253,200	1,723,200	1,253,202	444,400	1,019,000	1,859,000
612490	Contractual Services, N.O.C.	151,564	208,000	208,000	59,321	167,000	50,000	50,000
612600	Repairs to Collection Facilities	486,938	772,600	773,700	773,606	773,700	157,400	157,400
612680	Repairs to Buildings	-	100,000	100,000	-	-	-	-
612760	Repairs to Material Handling and Farming Equipment	201,479	-	-	-	-	-	-
200	TOTAL CONTRACTUAL SERVICES	841,337	6,220,900	5,796,900	4,165,205	3,487,400	6,695,000	6,401,300
623270	Mechanical Repair Parts	1,777,196	300,000	-	-	-	-	-
623570	Laboratory Testing Supplies, Small Equipment, and Chemicals	18,696	31,000	31,000	30,965	31,000	-	-
623810	Computer Supplies	-	-	-	-	-	-	95,000
300	TOTAL MATERIALS AND SUPPLIES	1,795,892	331,000	31,000	30,965	31,000	-	95,000
634600	Equipment for Collection Facilities	-	-	90,000	86,460	-	125,000	340,000
634620	Equipment for Waterway Facilities	118,737	408,000	408,000	407,777	183,000	315,000	335,000
634650	Equipment for Process Facilities	1,373,523	3,522,800	2,932,800	1,099,809	1,170,000	1,920,000	1,996,000
634780	Safety and Medical Equipment	-	50,000	50,000	28,456	17,000	-	-
634810	Computer Equipment	730,602	642,000	642,000	419,708	429,700	212,300	178,600
634820	Computer Software	-	150,000	213,000	63,000	213,000	50,000	131,500
634840	Communications Equipment (Includes Software)	-	-	-	-	-	-	70,900

201 50000	Fund: Construction Department: Engineering Division:	LINE ITEM ANALYSIS						
		2015	2016				2017	
Account Number	Account Name	Expenditure	Original Appropriation	Adjusted Appropriation 09/30/16	Expenditure (Committed Budget plus Disbursement) 09/30/16	Estimated Expenditure 12/31/16	Proposed by Executive Director	Recommended by Committee on Budget and Employment
634860	Vehicle Equipment	492,985	900,000	837,000	191,910	192,000	1,157,000	1,157,000
634990	Machinery and Equipment, N.O.C.	408,931	1,088,000	848,000	352,341	619,200	1,404,000	1,404,000
400	TOTAL MACHINERY AND EQUIPMENT	3,124,779	6,760,800	6,020,800	2,649,461	2,823,900	5,183,300	5,613,000
645600	Collection Facilities Structures	301,850	3,190,000	2,863,000	2,538,149	1,189,900	2,339,000	2,339,000
645620	Waterway Facilities Structures	-	523,000	1,023,000	935,900	989,900	475,000	100,000
645650	Process Facilities Structures	3,009,977	4,727,200	4,940,500	4,289,506	4,073,300	4,879,300	5,179,300
645680	Buildings	3,367,508	2,580,100	2,790,000	2,454,894	1,728,500	2,361,600	2,767,400
645690	Capital Projects, N.O.C.	-	3,174,200	4,209,200	4,154,217	3,275,100	7,587,700	6,637,700
645700	Preservation of Collection Facility Structures	805,944	1,053,800	1,306,800	1,305,700	1,217,300	-	-
645720	Preservation of Waterway Facility Structures	-	539,000	325,800	308,101	103,000	600,000	975,000
645750	Preservation of Process Facility Structures	4,977,831	4,637,400	4,393,400	3,981,962	3,474,000	1,248,900	1,485,600
645780	Preservation of Buildings	779,284	1,407,000	1,379,000	1,003,969	594,000	2,110,000	2,484,000
645790	Preservation of Capital Projects, N.O.C.	101,377	1,470,000	1,535,000	1,534,995	1,486,100	373,100	373,100
500	TOTAL CAPITAL PROJECTS	13,343,770	23,301,700	24,765,700	22,507,391	18,131,100	21,974,600	22,341,100
TOTAL ENGINEERING CONSTRUCTION		\$ 21,903,278	\$ 36,614,400	\$ 36,614,400	\$ 29,353,023	\$ 24,473,400	\$ 33,852,900	\$ 34,450,400

NOTES: 1. Amounts may not add up due to rounding.
 2. Estimated Expenditure may either exceed Adjusted Appropriation when transfers of funds are anticipated or be less than Expenditure (Committed Budget plus Disbursement) when not all commitments are anticipated to be completed by year-end.
 3. Effective 01/01/2016, professional services previously included in Personal Services (accounts 601170, 601410, 601420, 601430, and 601440) were reclassified to Contractual Services (accounts 612430, 612440, 612450, 612460, and 612470 respectively).

Capital Improvements Bond Fund Program

Awards in 2017		Project Number	Est. Construction Cost	Duration (days)	Est. Award Date
1	Devon IAS Switchgear Replacement and Wilmette Pumping Station Conduit Replacement	16-077-3E	\$ 1,000	365	Jan-17
2	Organic Waste Receiving Facility and Digester Gas Flare Upgrade, CWRP	11-240-3P	10,500	540	Jan-17
3	Drop Shaft 5 Inspection and Rehabilitation, NSA	14-372-3S	2,700	260	Jan-17
4	Conversion of Two New GCTs to Primary Sludge Fermenters and Installation of a Gas Detection System in the New GCT Building, SWRP	15-124-3P	3,000	545	Jan-17
5	Covered Composting System, CWRP	16-270-3P	24,000	365	Apr-17
6	Summit Conduit Rehabilitation, SSA	16-126-3S	1,700	250	Apr-17
7	Furnish, Deliver, and Install Odor Control Systems, HPWRP	16-537-3P	1,000	365	Apr-17
8	McCook Reservoir Expanded Stage 2 Slope Stabilization and Retaining Walls	16-125-4F	11,200	370	May-17
9	Fischer Farms Horticultural Center, HPWRP	16-538-3V	3,500	370	Jun-17
10	Furnish, Deliver, and Install Junction Chamber Odor Control System, CWRP	16-271-3P	1,000	365	Jun-17
11	Rehabilitation of North Branch Pumping Station, NSA	16-079-3D	1,500	365	Oct-17
12	Furnish, Deliver, and Install Odor Control Systems, KWRP	16-373-3P	1,000	365	Oct-17
13	Thornton Reservoir Valve Shaft Chamber Cone Valve, Crane and Drip Ceiling Rehabilitation	15-266-3F	3,000	365	Dec-17
Total 2017 Awards			\$ 65,100		

Projects Under Development

#	Project Name	Project Number	Est. Construction Cost	Duration (days)	Est. Award Date
14	Fermenters, CWRP	16-269-3P	\$ 3,000	370	Jan-18
15	Upper Des Plaines Intercepting Sewer 11D, Ext. C Rehabilitation, NSA	11-404-3S	5,500	450	Feb-18
16	Upper Des Plaines Intercepting Sewer 14B Rehabilitation, NSA	06-360-3S	6,700	360	Mar-18
17	Replacement of Tailrace Stop Logs, Equipment, and Headgates, Lockport Power House	15-830-3D	10,000	720	Mar-18
18	39th Street Conduit Rehabilitation - Phase II, SSA	01-103-AS	24,700	770	Jun-18
19	Upper Des Plaines Intercepting Sewer 11D Rehabilitation, NSA	12-369-3S	5,500	450	Aug-18
20	Upgrade Gate Control Equipment at TARP Control Structures, KWRP, NSA	06-358-3M	2,200	540	Oct-18
21	Digester Gas Utilization Facilities, SWRP	11-189-3P	17,000	1,095	Jan-19
22	North Shore 1 Rehabilitation, NSA	10-047-3S	21,500	500	Jan-19
23	Phosphorus Recovery System, CWRP	12-245-3P	10,000	1,095	Jan-19
24	Odor Control Facilities, SWRP	14-114-3M	12,767	730	Apr-19
25	Organic Waste Receiving Station, SWRP	14-117-3P	10,000	365	Apr-19

Projects Under Development (continued)

#	Project Name	Project Number	Est. Construction Cost	Duration (days)	Est. Award Date
26	Screens and Conveyor Improvements at 125th Street Pumping Station, CSA	09-230-3M	\$ 3,825	500	Jul-19
27	A/B and C/D Service Tunnel Rehabilitation - Phase III	16-127-3D	17,000	1,095	Oct-19
28	Palos Hills Pumping Station - Force Main, CSA	11-242-3S	10,000	500	Feb-21
29	Deammonification System, SWRP	13-101-3P	30,000	550	Sep-21
Total Future Awards			<u>\$ 189,692</u>		
Cumulative 2017 and Future Awards			<u>\$ 254,792</u>		

Note: All cost figures are in thousands of dollars; inflation factor is 0 percent.

Bold Type Indicates Unlimited Tax Bond Project

	Method of Financing		
	State Revolving	General	
		<u>Fund Loans</u>	<u>Obligation Bonds</u>
Tunnel and Reservoir Plan	\$ -	\$ 11,200	\$ 11,200
Water Reclamation Plant Expansion and Improvements	45,767	3,000	48,767
Solids Management	74,500	3,500	78,000
Collection Facilities	20,000	14,700	34,700
Replacement of Facilities	49,425	32,700	82,125
	<u>\$ 189,692</u>	<u>\$ 65,100</u>	<u>\$ 254,792</u>

401 50000	Fund: Capital Improvements Bond Department: Engineering Division:	LINE ITEM ANALYSIS						
		2015	2016				2017	
Account Number	Account Name	Expenditure	Original * Appropriation	Adjusted ** Appropriation 09/30/16	Expenditure (Committed Budget plus Disbursement) 09/30/16	Estimated Expenditure 12/31/16	Proposed by Executive Director	Recommended by Committee on Budget and Employment
601170	Payments for Professional Services	\$ 103,390	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
601410	Personal Services Exp for Prelim Engineering Rpts and Studies	348,415	-	-	-	-	-	-
601420	Personal Services Exp for Constr Drawings, Specs, and Cost Est	3,477,409	-	-	-	-	-	-
601440	Personal Svcs for Post-Award Engr for Construction Projects	5,441,597	-	-	-	-	-	-
100	TOTAL PERSONAL SERVICES	9,370,811	-	-	-	-	-	-
612090	Reprographic Services	-	10,000	20,000	10,000	-	-	-
612240	Testing and Inspection Services	52,309	-	232,665	232,665	80,000	-	-
612250	Court Reporting Services	1,607	5,000	23,583	18,583	5,000	25,000	25,000
612380	Soil and Rock Mechanics Investigation	251,454	660,000	989,911	329,911	153,600	-	-
612400	Intergovernmental Agreements	11,159,839	70,978,400	80,145,890	52,729,799	15,394,000	7,500,000	7,900,000
612430	Payments for Professional Services	-	3,183,600	3,504,960	2,450,917	446,400	1,200,000	1,200,000
612440	Preliminary Engineering Reports and Studies	-	50,000	669,426	669,368	500,000	250,000	250,000
612450	Professional Engineering Services for Construction Projects	-	17,896,000	28,602,180	15,713,823	5,929,700	12,992,000	12,992,000
612470	Personal Svcs for Post-Award Engr for Construction Projects	-	3,000,000	25,791,365	22,947,423	9,681,000	-	-
612490	Contractual Services, N.O.C.	143,393	-	-	-	-	-	-
612780	Safety Repairs and Services	-	100,000	100,000	-	-	100,000	100,000
200	TOTAL CONTRACTUAL SERVICES	11,608,601	95,883,000	140,079,979	95,102,488	32,189,700	22,067,000	22,467,000
634620	Equipment for Waterway Facilities	422,608	-	-	-	-	-	-
400	TOTAL MACHINERY AND EQUIPMENT	422,608	-	-	-	-	-	-
645600	Collection Facilities Structures	38,030,288	2,250,000	46,428,080	46,224,165	18,548,700	3,000,000	3,000,000
645620	Waterway Facilities Structures	35,093,940	75,427,700	129,224,961	55,156,069	21,742,800	207,527,300	204,977,300
645630	Army Corps of Engineers Services	16,667,000	159,399,000	159,374,000	114,828,882	32,147,000	18,740,000	18,740,000
645650	Process Facilities Structures	138,242,527	70,012,600	271,704,677	233,023,524	96,814,700	54,525,000	54,525,000
645680	Buildings	-	-	5,127,600	5,126,225	1,070,000	4,675,000	4,675,000
645690	Capital Projects, N.O.C.	663,838	-	33,192	-	-	1,000,000	1,000,000
645700	Preservation of Collection Facility Structures	11,631,981	17,585,000	72,566,175	70,153,266	23,566,400	5,120,000	5,120,000

401 50000	Fund: Capital Improvements Bond Department: Engineering Division:	LINE ITEM ANALYSIS						
		2015	2016				2017	
Account Number	Account Name	Expenditure	Original * Appropriation	Adjusted ** Appropriation 09/30/16	Expenditure (Committed Budget plus Disbursement) 09/30/16	Estimated Expenditure 12/31/16	Proposed by Executive Director	Recommended by Committee on Budget and Employment
645720	Preservation of Waterway Facility Structures	864,966	28,654,300	28,654,300	8,718,058	3,355,300	15,792,000	17,942,000
645750	Preservation of Process Facility Structures	7,486,399	23,150,000	24,723,991	23,599,537	8,305,600	500,000	500,000
645780	Preservation of Buildings	-	-	9,578,700	9,578,700	-	2,575,000	2,575,000
500	TOTAL CAPITAL PROJECTS	248,680,939	376,478,600	747,415,676	566,408,425	205,550,500	313,454,300	313,054,300
656010	Land	1,045,097	10,300,000	14,000,000	1,159,085	4,474,900	10,300,000	10,300,000
600	TOTAL LAND	1,045,097	10,300,000	14,000,000	1,159,085	4,474,900	10,300,000	10,300,000
667340	Payments for Easements	16,250	250,000	275,100	275,100	275,100	2,215,900	2,215,900
727102	Principal Expense - Capital Lease	2,247,506	-	45,025,725	45,025,725	2,357,800	-	-
727112	Interest Expense - Capital Lease	2,142,259	-	16,337,778	16,337,778	2,032,000	-	-
767300	Bond Issuance Costs	744,732	853,200	853,100	282,645	365,000	-	-
700	TOTAL FIXED AND OTHER CHARGES	5,150,746	1,103,200	62,491,703	61,921,248	5,029,900	2,215,900	2,215,900
TOTAL CAPITAL IMPROVEMENTS BOND		\$276,278,802	\$483,764,800	\$963,987,358	\$724,591,245	\$247,245,000	\$348,037,200	\$348,037,200

* The Capital Improvements Bond Fund is budgeted and accounted for on an obligation basis.

** The appropriation in the Capital Improvements Bond Fund is adjusted to carry forward open value of contracts from the prior year.

- NOTES: 1. Amounts may not add up due to rounding.
 2. Estimated Expenditure may either exceed Adjusted Appropriation when transfers of funds are anticipated or be less than Expenditure (Committed Budget plus Disbursement) when not all commitments are anticipated to be completed by year-end.
 3. The Capital Improvements Bond Fund appropriation is controlled on the Summary Object level.
 4. Effective 01/01/2016, professional services previously included in Personal Services (accounts 601170, 601410, 601420, 601430, and 601440) were reclassified to Contractual Services (accounts 612430, 612440, 612450, 612460, and 612470 respectively).

501 50000	Fund: Stormwater Management Department: Division:	LINE ITEM ANALYSIS						
		2015	2016				2017	
		Expenditure	Original Appropriation	Adjusted Appropriation 09/30/16	Expenditure (Committed Budget plus Disbursement) 09/30/16	Estimated Expenditure 12/31/16	Proposed by Executive Director	Recommended by Committee on Budget and Employment
Account Number	Account Name							
601010	Salaries of Regular Employees	\$ 5,134,227	\$ 5,768,100	\$ 5,768,100	\$ 3,852,151	\$ 5,268,000	\$ 5,634,800	\$ 5,634,800
601060	Compensation Plan Adjustments	101,620	179,900	179,900	126,251	152,900	193,000	193,000
601070	Social Security and Medicare Contributions	-	65,600	65,600	56,597	65,600	81,100	81,100
601080	Salaries of Nonbudgeted Employees	-	20,000	20,000	-	-	11,400	11,400
601100	Tuition and Training Payments	1,815	10,000	10,000	8,250	10,000	30,600	30,600
601170	Payments for Professional Services	9,613	-	-	-	-	-	-
601250	Health and Life Insurance Premiums	522,073	550,000	550,000	326,419	528,000	580,300	580,300
601270	General Salary Adjustments	-	-	-	-	-	-	-
601410	Personal Services Exp for Prelim Engineering Rpts and Studies	7,816,443	-	-	-	-	-	-
601420	Personal Services Exp for Constr Drawings, Specs, and Cost Est	1,248,647	-	-	-	-	-	-
601440	Personal Svcs for Post-Award Engr for Construction Projects	28,601	-	-	-	-	-	-
100	TOTAL PERSONAL SERVICES	14,863,038	6,593,600	6,593,600	4,369,669	6,024,500	6,531,200	6,531,200
612010	Travel	646	2,000	2,000	1,461	1,700	2,300	2,300
612030	Meals and Lodging	2,487	5,600	5,600	1,577	4,800	5,100	5,100
612040	Postage, Freight, and Delivery Charges	999	1,500	1,500	1,500	1,500	2,500	2,500
612050	Compensation for Personally-Owned Automobiles	19,038	24,000	24,000	7,071	19,000	24,800	24,800
612080	Motor Vehicle Operating Services	288	800	800	16	700	800	800
612240	Testing and Inspection Services	1,148	20,000	20,000	20,000	10,000	29,500	29,500
612250	Court Reporting Services	9,279	10,000	10,000	10,000	8,900	12,000	12,000
612330	Rental Charges	-	2,500	2,500	2,500	2,200	2,500	2,500
612380	Soil and Rock Mechanics Investigation	5,542	20,000	20,000	19,458	10,000	-	-
612400	Intergovernmental Agreements	6,570,943	4,231,000	6,162,200	6,162,199	6,058,400	13,312,500	13,312,500
612410	Governmental Service Charges	38	-	-	-	-	-	-
612430	Payments for Professional Services	-	900,000	175,000	173,974	92,500	775,000	775,000
612440	Preliminary Engineering Reports and Studies	-	7,599,200	6,499,200	6,450,340	5,500,000	4,800,000	4,800,000
612450	Professional Engineering Services for Construction Projects	-	1,702,700	1,242,700	926,255	1,129,000	3,843,900	3,843,900
612470	Personal Svcs for Post-Award Engr for Construction Projects	-	75,900	75,900	5,298	5,300	-	-
612490	Contractual Services, N.O.C.	2,614,635	356,400	256,400	222,263	177,000	196,400	196,400

501 50000	Fund: Stormwater Management Department: Division:	LINE ITEM ANALYSIS						
		2015	2016				2017	
Account Number	Account Name	Expenditure	Original Appropriation	Adjusted Appropriation 09/30/16	Expenditure (Committed Budget plus Disbursement) 09/30/16	Estimated Expenditure 12/31/16	Proposed by Executive Director	Recommended by Committee on Budget and Employment
612520	Waste Material Disposal Charges	37,138	55,000	55,000	55,000	55,000	70,000	70,000
612620	Repairs to Waterway Facilities	2,246,517	2,500,000	2,310,000	2,308,718	2,124,100	2,415,000	2,415,000
612990	Repairs, N.O.C.	96	6,000	6,000	1,668	1,500	6,000	6,000
200	TOTAL CONTRACTUAL SERVICES	11,508,793	17,512,600	16,868,800	16,369,297	15,201,600	25,498,300	25,498,300
623130	Buildings, Grounds, Paving Materials, and Supplies	-	5,000	5,000	5,000	5,000	5,000	5,000
623520	Office, Printing, and Photo Supplies, Equipment, and Furniture	409	11,500	11,500	9,743	10,500	11,500	11,500
623560	Processing Chemicals	1,115	5,000	5,000	5,000	5,000	5,000	5,000
623680	Tools and Supplies	1,087	11,000	11,000	6,875	10,000	11,000	11,000
623700	Wearing Apparel	1,077	2,000	2,000	2,000	2,000	2,000	2,000
623990	Materials and Supplies, N.O.C.	1,645,960	1,240,000	4,730,000	4,483,519	4,135,700	1,240,000	1,240,000
300	TOTAL MATERIALS AND SUPPLIES	1,649,648	1,274,500	4,764,500	4,512,137	4,168,200	1,274,500	1,274,500
634790	Marine Equipment	-	100,000	100,000	-	85,000	85,000	85,000
400	TOTAL MACHINERY AND EQUIPMENT	-	100,000	100,000	-	85,000	85,000	85,000
645620	Waterway Facilities Structures	1,457,351	8,056,600	8,056,600	7,708,201	7,099,000	3,169,800	3,169,800
645690	Capital Projects, N.O.C.	-	750,000	372,800	-	-	400,000	400,000
645720	Preservation of Waterway Facility Structures	3,533,787	940,800	315,800	227,540	146,700	1,459,000	1,459,000
500	TOTAL CAPITAL PROJECTS	4,991,139	9,747,400	8,745,200	7,935,741	7,245,700	5,028,800	5,028,800
656010	Land	-	1,000,000	78,000	-	78,000	410,000	410,000
600	TOTAL LAND	-	1,000,000	78,000	-	78,000	410,000	410,000
667020	Equity Transfer	2,123,920	3,272,700	3,272,700	3,272,650	3,272,700	5,769,300	5,769,300
667340	Payments for Easements	190,000	1,000,000	78,000	1,710	1,800	400,000	400,000
700	TOTAL FIXED AND OTHER CHARGES	2,313,920	4,272,700	3,350,700	3,274,360	3,274,500	6,169,300	6,169,300
TOTAL STORMWATER MANAGEMENT		\$ 35,326,537	\$ 40,500,800	\$ 40,500,800	\$ 36,461,204	\$ 36,077,500	\$ 44,997,100	\$ 44,997,100

NOTES: 1. Amounts may not add up due to rounding.
 2. Departmental appropriation totals for salaries in the Line Item Analysis may differ from those contained in the Position Analysis by a factor identified to adjust for vacancies. Additionally, Estimated Expenditure may either exceed Adjusted Appropriation when transfers of funds are anticipated or be less than Expenditure (Committed Budget plus Disbursement) when not all commitments are anticipated to be completed by year-end.
 3. Effective 01/01/2016, professional services previously included in Personal Services (accounts 601170, 601410, 601420, 601430, and 601440) were reclassified to Contractual Services (accounts 612430, 612440, 612450, 612460, and 612470 respectively).

901	Fund: Reserve Claim Department: Division:	LINE ITEM ANALYSIS						
		2015	2016				2017	
Account Number	Account Name	Expenditure	Original Appropriation	Adjusted Appropriation 09/30/16	Expenditure (Committed Budget plus Disbursement) 09/30/16	Estimated Expenditure 12/31/16	Proposed by Executive Director	Recommended by Committee on Budget and Employment
601090	Employee Claims	\$ 4,099,743	\$ 8,000,000	\$ 8,000,000	\$ 2,761,662	\$ 4,225,000	\$ 8,000,000	\$ 8,000,000
100	TOTAL PERSONAL SERVICES	4,099,743	8,000,000	8,000,000	2,761,662	4,225,000	8,000,000	8,000,000
667220	General Claims and Emerg Repair and Replacement Costs	1,790,668	22,175,900	22,175,900	209,572	1,173,200	22,617,100	22,617,100
700	TOTAL FIXED AND OTHER CHARGES	1,790,668	22,175,900	22,175,900	209,572	1,173,200	22,617,100	22,617,100
TOTAL RESERVE CLAIM FUND		\$ 5,890,411	\$ 30,175,900	\$ 30,175,900	\$ 2,971,235	\$ 5,398,200	\$ 30,617,100	\$ 30,617,100

NOTES: 1. Amounts may not add up due to rounding.
 2. Public Act 098-0069 signed into law by the Governor on July 15, 2013, amends the District Act to expand the type of claims payable from the Reserve Claim Fund, as well as the legal costs in defense of such claims, and lastly, removes the \$10,000 threshold for repairs to the District's facilities in the event of fire or emergency.

PAGE REFERENCE GUIDE

The Tentative Budget Book is presented as a supplement to the Executive Director's Recommendations Budget Book. The following is a page reference guide that provides the corresponding pages between the two budget book versions. Pages that do not appear in the Executive Director's Recommendations Budget Book and are unique to the Tentative Budget Book are noted with "N/A."

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Board of Commissioners	21	116
General Administration	22	130
Monitoring & Research	27	154
Procurement & Materials Management	30	174
Human Resources	32	191
Information Technology	34	206
Law	36	225
Finance	37	237
Maintenance & Operations - All Divisions:.....	38	252
General Division	41	262
North Service Area	44	280
Calumet Service Area	46	297
Stickney Service Area	48	311
Engineering	51	331
Capital Budget.....	56	353
Stormwater Management Fund	64	519
Reserve Claim Fund	66	524
Page Reference Guide	67	N/A

NOTE PAGE



Metropolitan Water Reclamation District of Greater Chicago Historical Information And Milestones

- 1837** Chicago was incorporated as a city. The city's primary source of drinking water is Lake Michigan. Due to poor drainage and discharges to Lake Michigan, water-borne diseases plagued the city throughout the 1800s.
- 1856** Sewers were constructed to collect the city's wastewater. These sewers emptied into the Chicago River, ultimately becoming a health hazard.
- 1885** A torrential rainstorm flushed pollution from the river into Lake Michigan prompting public concern for ways to safeguard the quality of the drinking water.
- 1886** A Drainage and Water Supply Commission was created to study the growing problem of contamination of the city's water supply.
- 1889** Illinois Legislature passed an act enabling the establishment of the Sanitary District of Chicago to keep sewage pollution out of Lake Michigan. Referendum passed creating the Sanitary District of Chicago.
- 1892** Ground was broken on the 28-mile Main Channel of the Sanitary and Ship Canal. The canal would reverse the flow of the Chicago River by linking it to the Des Plaines River, and thus prevent pollution of Lake Michigan by the river.
- 1900** Main Channel of the Sanitary and Ship Canal opened.
- 1907** Main Channel Extension including Lockport Powerhouse and Lock completed.
- 1910** North Shore Channel completed.
- 1919** District's Board of Commissioners passed an ordinance committing the District to the construction and operation of treatment plants.
- 1922** The 16-mile Calumet-Sag Channel became operational; Calumet Treatment Plant placed into operation.
- 1928** North Side Treatment Plant placed into operation.
- 1930** U.S. Supreme Court Decree issued reducing diversion of Lake Michigan in steps. Effective January 1, 1939, diversion reduced to 1,500 cubic feet per second; West Side Treatment Plant placed into operation.
- 1939** Southwest Treatment Plant placed into operation.
- 1949** West and Southwest Treatment Plants combined.
- 1955** District's name changed to the Metropolitan Sanitary District of Greater Chicago (MSDGC); the Chicago Sewage Disposal System named one of the Seven Wonders of Modern Engineering by the American Society of Civil Engineers (ASCE), recognizing the size of the system, including intercepting sewers, treatment plants, and waterways.
- 1956** Referendum, enabled by legislation, passed adding 412 square miles to the District.
- 1961** Lemont Treatment Plant placed into operation.
- 1963** Hanover Park Treatment Plant placed into operation.
- 1969** Board adopted the Sewage and Waste Control Ordinance, prohibiting any waste discharge into Lake Michigan.
- 1971** Fulton County "Prairie Plan" began whereby abandoned strip-mines were reclaimed into agriculturally productive land; won "Special Civil Engineering Achievement Award" in 1974 from the ASCE.
- 1972** District adopted the Tunnel and Reservoir Plan (TARP) as recommended by a committee of representatives from the state, city, county, and MSDGC. The plan provided for the collection, transportation, storage, and treatment of combined rainwater and sewage that in periods of heavy rain overflowed into waterways, underpasses, and basements.
- 1975** Construction began on the 31-mile Mainstream tunnel system; Egan Treatment Plant placed into operation.
- 1977** Construction began on the Calumet tunnel system.
- 1980** O'Hare Treatment Plant (later renamed Kirie Water Reclamation Plant) and Upper Des Plaines TARP tunnel system placed into operation.
- 1985** Mainstream tunnel system placed into operation, capable of storing one billion gallons of combined sewage and stormwater.
- 1986** Mainstream tunnel system received award for "Outstanding Civil Engineering Achievement" from the ASCE; 9.2 mile Calumet tunnel system placed into operation.
- 1988** Water quality improvements recognized as causing increased real estate development along the waterway system; construction began on the Des Plaines TARP tunnel.
- 1989** District celebrated its 100th anniversary. As part of the Centennial Celebration, the District changed its name to the Metropolitan Water Reclamation District of Greater Chicago and dedicated the Centennial Fountain.
- 1990** Army Corps of Engineers and the District began construction of the O'Hare-CUP Reservoir, the first of three reservoirs in the TARP program.
- 1992-1994** District's five Sidestream Elevated Pool Aeration Stations (SEPA) completed along the Calumet River system. These stations add oxygen to the waterways to enhance the aquatic environment. The District received "Outstanding Civil Engineering Achievement" in 1994 by ASCE for these projects.
- 1998** O'Hare-CUP Reservoir placed into operation, capable of storing 350 million gallons of combined sewage and stormwater; North Branch tunnel placed into operation.
- 1999** Des Plaines tunnel placed into operation; construction began on the McCook Reservoir.
- 2000** District celebrated the 100th anniversary of the reversal of the Chicago River and completed a century of protecting Chicago's water environment; construction began on Thornton Transitional Reservoir.
- 2003** Construction began on the major capital improvement program for the Calumet, North Side, and Stickney Water Reclamation Plants.
- 2004** By an act of the Illinois Legislature, the District became responsible for stormwater management in Cook County.
- 2006** TARP Phase I 109-mile tunnel system completed; all four TARP tunnel systems in operation.
- 2007** District celebrated 100th anniversary of the Lockport Powerhouse and Dam.
- 2009** Construction of the Thornton Composite Reservoir began.
- 2010** District celebrated the 100th anniversary of the North Shore Channel.
- 2012** North Side Water Reclamation Plant renamed Terrence J. O'Brien Water Reclamation Plant.
- 2014** District celebrated its 125th anniversary.
- 2015** Disinfection facility at the Calumet Water Reclamation Plant placed into operation. Thornton Composite Reservoir placed into operation.
- 2016** Phosphorus recovery facility placed into operation at the Stickney Water Reclamation Plant; implemented an ultraviolet disinfection process at the O'Brien Water Reclamation Plant.

MOVING DOWN THE TRACK

The District is on track as we embark on the third year of our strategic business plan adopted in 2015. Guided by the vision statement, "Recovering Resources, Transforming Water," we have made steady progress toward the six goals established in the strategic plan: Add Value, Excellence, Resource Recovery, Develop Employees, Leading Partnerships, and Technology.

- Add Value** The District is pursuing opportunities to add value throughout our operations. We are producing a high quality, valuable composted soil amendment by blending wood chips from the City of Chicago with biosolids, a product of our wastewater treatment process. In 2016 we scaled up our operations, adding a new composting machine which is able to efficiently turn and aerate 20,000 cubic yards of compost per day.
- Excellence** We are focused on achieving excellent results at all levels of our organization. One of our biggest projects, the Tunnel and Reservoir Plan, is being completed on-schedule and is functioning as designed, providing water quality and flood prevention benefits throughout the Chicago region. Thornton Composite Reservoir, which went online in 2015, has virtually eliminated combined sewer overflows within its service area. The 10 billion gallon McCook Reservoir is being completed in two stages with the first phase scheduled to go online in 2017.
- Resource Recovery** The District is committed to implementing sustainable and resilient practices and have embraced a resource recovery model in our operations. In addition to large scale resource recovery work such as the phosphorus recovery facility that went online at our Stickney Water Reclamation Plant in 2016, we are also looking to the future and considering emerging technologies. We are investigating using algae to remove nutrients from water in the Algae Research Greenhouse at our O'Brien Water Reclamation Plant. In this pilot facility, algae grown on moving membranes removes nutrients from water, which could be used to produce biodiesel, dyes, fish food, and other products.
- Develop Employees** We have the best employees in the industry and are investing in our future by developing our employees. We continue to strive to reach the goal of providing every employee with 24 hours of training opportunities annually to enhance their knowledge and skills for both current and future positions. In addition, the District's internship program attracts future leaders to the organization by providing college students in our community with learning opportunities and employee development that is relevant to their academic pursuits.
- Leading Partnerships** The District recognizes the importance of active involvement in the world around us and is working to develop strong relationships with constituents on a local, state, and national level. We are partnering with municipalities to address local flooding issues, providing needed assistance to complete flood mitigation and green infrastructure projects throughout our service area. We partnered with the Village of Northbrook on their 7.5 million gallon Wescott Park Stormwater Storage Facility, which will help prevent flooding in the surrounding neighborhood. The facility is being built beneath an existing park out of modular concrete pieces and will be equipped to treat and use some of the captured stormwater for irrigation of the park.
- Technology** The District is embracing a new era of technology that delivers reliable and useful information. We are working to simplify SAP to increase utilization and maximize effectiveness while using current capabilities and enhancing use of available platforms.

On the front cover: The District's train carries biosolids seven miles from the Stickney Water Reclamation Plant to solids management areas where they are processed to become a composted soil amendment and a sustainable alternative to chemical fertilizers.



**COMPARATIVE STATEMENT OF APPROPRIATIONS AND TAX LEVIES
2017-2015 ALL FUNDS**

APPROPRIATIONS	2017 **	2016 AS PASSED	2016 AS ADJUSTED *	2015 ACTUAL
FUND				
Corporate Fund	\$ 369,130,900	\$ 366,260,700	\$ 366,260,700	\$ 358,995,400
Construction Fund	34,450,400	36,614,400	36,614,400	37,910,700
Capital Improvements Bond Fund ***	354,125,600	483,764,800	483,764,800	453,072,500
Stormwater Management Fund	44,997,100	40,500,800	40,500,800	46,588,800
Retirement Fund	79,505,000	70,772,000	70,772,000	61,654,000
Reserve Claim Fund	30,617,100	30,175,900	30,175,900	30,700,000
Bond Redemption & Interest Fund	227,761,075	216,047,130	216,047,130	214,525,801
TOTAL	\$ 1,140,587,175	\$ 1,244,135,730	\$ 1,244,135,730	\$ 1,203,447,201
LEVIES				
Corporate Fund	\$ 223,946,065	\$ 226,109,300	\$ 226,109,300	\$ 227,659,785
Construction Fund	17,000,000	16,600,000	13,278,297	15,196,952
Stormwater Management Fund	40,856,008	34,250,000	34,250,000	24,050,000
Retirement Fund	73,438,135	65,161,200	65,161,200	58,004,000
Reserve Claim Fund	5,900,000	5,800,000	5,800,000	5,700,000
Subtotal	\$ 361,140,208	\$ 347,920,500	\$ 344,598,797	\$ 330,610,737
Bond Redemption & Interest Fund:				
Capital Improvement Bonds - Series:				
July 2006 Limited Tax	\$ -	\$ -	\$ -	\$ 16,469,690
July 2016 Q E C B	165,804	-	165,805	-
August 2009 Limited Tax	35,564,767	35,564,767	35,564,767	35,564,767
July 2011 Limited Tax Series A	41,406,315	20,230,925	20,230,925	13,894,139
July 2011 Limited Tax Series B	-	-	-	5,646,431
July 2011 Unlimited Tax Series C	3,981,898	7,622,520	7,622,520	13,205,421
2014 Unlimited Tax Series A	5,181,348	5,181,347	5,181,347	5,181,347
2014 Alt Rev Unlimited Tax Series B ****	3,389,171	3,387,824	3,387,824	3,391,347
Alternate Revenue Abatement ****	-	-	-	(3,391,347)
December 2014 Limited Tax Series C	3,240,156	15,540,933	15,540,933	5,052,021
2016 Alt Rev Unlimited Tax Series E ****	2,590,674	-	2,590,674	-
June 2016 Unlimited Tax Series C	1,554,405	-	1,554,404	-
June 2016 Limited Tax Series D	1,036,270	-	1,036,269	-
State Revolving Fund Bonds - Series: Various	72,765,937	70,482,161	72,078,023	69,284,259
Refunding Bonds - Series:				
May 2006 Unlimited Tax	-	17,958,549	-	17,958,550
May 2006 Limited Tax	-	2,631,607	-	2,631,607
March 2007 Unlimited Tax A	26,509,845	25,279,534	25,279,534	29,061,140
March 2007 Unlimited Tax B	4,996,749	4,996,749	4,996,749	4,996,749
March 2007 Limited Tax C	5,541,607	5,541,606	5,541,607	5,541,607
December 2014 Limited Tax Series D	9,264,767	15,494,041	15,494,042	-
June 2016 Unlimited Tax Series A	14,555,959	-	14,555,959	-
June 2016 Limited Tax Series B	2,141,451	-	2,141,451	-
Subtotal Bond Redemption & Interest Fund	\$ 233,887,123	\$ 229,912,563	\$ 232,962,833	\$ 224,487,728
TOTAL	\$ 595,027,331	\$ 577,833,063	\$ 577,561,630	\$ 555,098,465
Abatement after the budget year ****	(5,979,845)		(5,978,498)	
Total (after planned abatement)	\$ 589,047,486		\$ 571,583,132	

NOTES: * As Adjusted reflects the 2015 Equalized Assessed Valuation (EAV) (\$130,304,803,798) estimated to increase 3.0 percent, plus any subsequent supplemental levies and/or appropriations.

** 2017 reflects an estimated 3.0 percent increase in the EAV from the 2016 estimate.

*** Prior year obligations for the Capital Improvements Bond Fund are included in the Appropriation for Liabilities.

**** As part of the plan of financing, it is intended and anticipated that tax revenues deposited in the Stormwater Fund be transferred to the Bond Fund and used to abate taxes levied for this issue.

**COMPARATIVE STATEMENT OF TAX RATES
2017-2015 ALL FUNDS**

Per \$100 in Equalized Assessed Valuation (EAV)

FUND	2017 **	2016 AS PASSED	2016 AS ADJUSTED *	2015 ACTUAL
	tax rate limit			
Corporate Fund	41 ¢	16.20 ¢	16.87 ¢	17.47 ¢
Construction Fund	10 ¢	1.23	1.24	1.17
Stormwater Management Fund	5 ¢	2.96	2.56	1.85
Retirement Fund		5.31	4.86	4.45
Reserve Claim Fund	½ ¢	0.43	0.43	0.44
Subtotal	26.13 ¢	25.96 ¢	25.68 ¢	25.38 ¢
Bond Redemption & Interest Fund:				
Capital Improvement Bonds - Series:				
July 2006 Limited Tax	-	-	-	1.26 ¢
July 2016 Q E C B	0.01	-	0.01	-
August 2009 Limited Tax	2.57	2.65	2.65	2.73
July 2011 Limited Tax Series A	3.00	1.51	1.51	1.07
July 2011 Limited Tax Series B	-	-	-	0.43
July 2011 Unlimited Tax Series C	0.29	0.57	0.57	1.01
December 2014 Unlimited Tax Series A	0.37	0.39	0.39	0.40
2014 Alt Rev Unlimited Tax Series B ***	0.25	0.57	0.25	0.26
Alternate Revenue Abatement ***	-	-	-	(0.26)
December 2014 Limited Tax Series C	0.23	0.39	1.16	0.39
2016 Alt Rev Unlimited Tax Series E ***	0.19	-	0.19	-
June 2016 Unlimited Tax Series C	0.11	-	0.12	-
June 2016 Limited Tax Series D	0.07	-	0.08	-
State Revolving Fund Bonds - Series:				
Various	5.26	5.26	5.37	5.32
Refunding Bonds - Series:				
May 2006 Unlimited Tax	-	1.34	-	1.38
May 2006 Limited Tax	-	0.20	-	0.20
March 2007 Unlimited Tax Series A	1.92	1.89	1.88	2.23
March 2007 Unlimited Tax Series B	0.36	0.37	0.37	0.38
March 2007 Limited Tax Series C	0.40	0.41	0.41	0.43
December 2014 Limited Tax D	0.67	1.16	1.15	-
June 2016 Unlimited Tax Series A	1.05	-	1.08	-
June 2016 Limited Tax B	0.15	-	0.16	-
Subtotal Bond Redemption & Interest Fund	16.90 ¢	16.71 ¢	17.35 ¢	17.23 ¢
TOTAL	43.03 ¢	42.67 ¢	43.03 ¢	42.61 ¢

NOTES: * As Adjusted reflects the 2015 EAV (\$130,304,803,798) estimated to increase 3.0 percent, plus any subsequent supplemental levies and/or appropriations.

** 2017 reflects an estimated 3.0 percent increase in the EAV from the 2016 estimate.

*** As part of the plan of financing, it is intended and anticipated that tax revenues deposited in the Stormwater Fund be transferred to the Bond Fund and used to abate taxes levied for this issue.

**ACCOUNT SUMMARY COMPARISON
2017 - 2016 ALL FUNDS**

ORGANIZATION OR FUND	Account Appropriation		Increase (Decrease) 2017 - 2016	
	2017	2016*	Dollars	Percent
Board of Commissioners	\$ 4,510,800	\$ 4,407,800	\$ 103,000	2.3
General Administration	18,559,100	16,819,300	1,739,800	10.3
Monitoring & Research	31,030,400	30,523,200	507,200	1.7
Procurement & Materials Management	9,534,000	8,777,400	756,600	8.6
Human Resources	60,861,100	60,816,800	44,300	0.1
Information Technology	17,283,200	17,448,600	(165,400)	(0.9)
Law	8,337,000	7,972,600	364,400	4.6
Finance	3,655,900	3,696,300	(40,400)	(1.1)
Maintenance & Operations:				
General Division	26,668,400	23,111,200	3,557,200	15.4
North Service Area	41,965,900	43,830,100	(1,864,200)	(4.3)
Calumet Service Area	37,172,700	38,039,500	(866,800)	(2.3)
Stickney Service Area	80,963,400	82,745,000	(1,781,600)	(2.2)
TOTAL Maintenance & Operations	\$ 186,770,400	\$ 187,725,800	\$ (955,400)	(0.5)
Engineering	28,589,000	28,072,900	516,100	1.8
TOTAL Corporate Fund	\$ 369,130,900	\$ 366,260,700	\$ 2,870,200	0.8
Construction Fund	34,450,400	36,614,400	(2,164,000)	(5.9)
Capital Improvements Bond Fund	354,125,600	483,764,800	(129,639,200)	(26.8)
TOTAL Capital Budget	\$ 388,576,000	\$ 520,379,200	\$ (131,803,200)	(25.3)
Stormwater Management Fund	44,997,100	40,500,800	4,496,300	11.1
Bond Redemption & Interest Fund	227,761,075	216,047,130	11,713,945	5.4
Retirement Fund	79,505,000	70,772,000	8,733,000	12.3
Reserve Claim Fund	30,617,100	30,175,900	441,200	1.5
GRAND TOTAL	<u>\$1,140,587,175</u>	<u>\$1,244,135,730</u>	<u>\$ (103,548,555)</u>	<u>(8.3)</u>

*Adjusted Appropriation

**PERSONNEL SUMMARY COMPARISON
2017 - 2015 ALL FUNDS**

ORGANIZATION OR FUND	Proposed FTEs 2017	Budgeted FTEs 2016	Actual FTEs 2015	Increase (Decrease) 2017 - 2016	
				FTEs	Percent
Board of Commissioners	38	38	37	-	-
General Administration	123	122	118	1	0.8
Monitoring & Research	308	308	296	-	-
Procurement & Materials Management	63	63	63	-	-
Human Resources	141	73	74	68	93.2
Information Technology	75	76	63	(1)	(1.3)
Law	36	38	37	(2)	(5.3)
Finance	28	28	29	-	-
Maintenance & Operations:					
General Division	115	87	94	28	32.2
North Service Area	247	259	259	(12)	(4.6)
Calumet Service Area	188	196	201	(8)	(4.1)
Stickney Service Area	372	385	398	(13)	(3.4)
TOTAL Maintenance & Operations	922	927	952	(5)	(0.5)
Engineering	246	244	242	2	0.8
TOTAL Corporate Fund	1,980	1,917	1,911	63	3.3
Construction Fund	-	-	-	-	-
Capital Improvements Bond Fund	-	-	-	-	-
TOTAL Capital Budget	-	-	-	-	-
Stormwater Management Fund	59	59	55	-	-
Bond Redemption & Interest Fund	-	-	-	-	-
Retirement Fund	-	-	-	-	-
Reserve Claim Fund	-	-	-	-	-
GRAND TOTAL	2,039	1,976	1,966	63	3.2

**ALL FUNDS
SUMMARY OF REVENUE AND EXPENDITURES
2017 BUDGETED**

(In Thousands)

	FUND							
	CORPORATE	CAPITAL IMPROVEMENTS BOND*	CONSTRUCTION	STORMWATER MANAGEMENT	RETIREMENT	BOND REDEMPTION & INTEREST	RESERVE CLAIM	TOTAL
REVENUE								
Net Assets Appropriable	\$ 135,931.3	\$ (617,850.8)	\$ 10,405.4	\$ 6,197.1	\$ 79,505.0	\$ 221,591.8	\$ 30,417.1	\$ (133,803.1)
Budget Reserve	(88,893.4)	-	-	-	-	-	-	(88,893.4)
Net Property Taxes	216,108.0	-	16,405.0	39,426.0	-	-	-	271,939.0
Personal Property Replacement Tax	18,164.0	-	-	-	-	-	-	18,164.0
Working Cash Borrowings Adjustment	(4,272.0)	-	(205.0)	(626.0)	-	-	-	(5,103.0)
Bond Sales (Present & Future)	-	790,841.3	-	-	-	-	-	790,841.3
Grants (Federal & State)	-	11,135.1	-	-	-	-	-	11,135.1
Investment Income	600.0	3,000.0	100.0	-	-	400.0	200.0	4,300.0
State Revolving Fund Loans	-	180,000.0	-	-	-	-	-	180,000.0
Property & Services	19,900.0	-	-	-	-	-	-	19,900.0
User Charge	47,000.0	-	-	-	-	-	-	47,000.0
TIF Differential Fee & Impact Fee	11,025.0	-	745.0	-	-	-	-	11,770.0
Equity Transfer	6,000.0	(13,000.0)	7,000	-	-	5,769.3	-	5,769.3
Resource Recovery	4,000.0	-	-	-	-	-	-	4,000.0
Miscellaneous	3,568.0	-	-	-	-	-	-	3,568.0
TOTAL REVENUE	\$ 369,130.9	\$ 354,125.6	\$ 34,450.4	\$ 44,997.1	\$ 79,505.0	\$ 227,761.1	\$ 30,617.1	\$ 1,140,587.2
EXPENDITURES								
Board of Commissioners	\$ 4,510.8	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,510.8
General Administration	18,559.1	-	-	-	-	-	-	18,559.1
Monitoring & Research	31,030.4	-	-	-	-	-	-	31,030.4
Procurement & Materials Mgmt.	9,534.0	-	-	-	-	-	-	9,534.0
Human Resources	60,861.1	-	-	-	-	-	-	60,861.1
Information Technology	17,283.2	-	-	-	-	-	-	17,283.2
Law	8,337.0	-	-	-	-	-	-	8,337.0
Finance	3,655.9	-	-	-	-	-	-	3,655.9
Engineering	28,589.0	354,125.6	34,450.4	-	-	-	-	417,165.0
Maintenance & Operations	186,770.4	-	-	-	-	-	-	186,770.4
Stormwater Management Fund	-	-	-	39,227.8	-	-	-	39,227.8
Retirement Fund	-	-	-	-	79,505.0	-	-	79,505.0
Bond Redemption & Interest Fund	-	-	-	-	-	227,761.1	-	227,761.1
Reserve Claim Fund	-	-	-	-	-	-	30,617.1	30,617.1
Equity Transfer	-	-	-	5,769.3	-	-	-	5,769.3
TOTAL EXPENDITURES	\$ 369,130.9	\$ 354,125.6	\$ 34,450.4	\$ 44,997.1	\$ 79,505.0	\$ 227,761.1	\$ 30,617.1	\$ 1,140,587.2

* The Capital Improvements Bond Fund is budgeted on an "obligation" basis, which records expenditures in the period in which the contracts or grants are awarded.

**CORPORATE FUND
ESTIMATED BALANCE SHEET
JANUARY 1, 2017 AND 2016**

	<u>ASSETS</u>		<u>2016</u>	
	<u>2017</u>		<u>2016</u>	
	<u>AMOUNT</u>	<u>AVAILABLE FOR</u>	<u>AMOUNT</u>	<u>AVAILABLE FOR</u>
<u>CURRENT ASSETS</u>		<u>APPROPRIATION</u>		<u>APPROPRIATION</u>
Cash & Investments	\$ 100,200,000	\$ 100,200,000	\$ 129,640,100	\$ 129,640,100
Taxes Receivable	218,195,475	218,828,128	219,244,140	219,815,255
Replacement Tax	20,275,500	20,275,500	27,101,600	27,101,600
Due from Other Funds	-	-	200,000	200,000
Total Current Assets	\$ 338,670,975	\$ 339,303,628	\$ 376,185,840	\$ 376,756,955
 LIABILITIES & FUND EQUITY				
CURRENT LIABILITIES				
Unpaid Bills:				
Accrued Salaries & Wages	\$ 2,827,328	\$ 2,827,328	\$ 3,900,000	\$ 3,900,000
Personal Services - Other	-	-	-	-
Payroll Withholding & Miscellaneous	2,500,000	2,500,000	3,000,000	3,000,000
Contractual Services	18,045,000	18,045,000	26,528,000	26,528,000
Materials & Supplies	-	-	-	-
Machinery & Equipment	-	-	-	-
Due to Corporate Working Cash Fund	180,000,000	180,000,000	190,000,000	190,000,000
Total Current Liabilities	\$ 203,372,328	\$ 203,372,328	\$ 223,428,000	\$ 223,428,000
Total Liabilities & Designations		\$ 203,372,328		\$ 223,428,000
 ASSETS APPROPRIABLE FOR 2017 & 2016				
Net Assets Appropriaible		\$ 135,931,300		\$ 153,328,955
Budget Reserve		\$ (88,893,400)		\$ (100,081,255)
Net Assets Appropriated		\$ 47,037,900		\$ 53,247,700
Equity Transfer		6,000,000		-
Estimated Revenue		316,093,000		313,013,000
Total Assets Appropriable		\$ 369,130,900		\$ 366,260,700
 FUND EQUITY				
Undesignated	\$ 135,298,647		\$ 152,757,840	
Total Fund Equity	\$ 135,298,647		\$ 152,757,840	
Total Liabilities & Fund Equity	\$ 338,670,975		\$ 376,185,840	

CAPITAL IMPROVEMENTS BOND FUND
APPROPRIABLE REVENUE
2017 - 2014

REVENUE DESCRIPTION	ESTIMATED			ACTUAL	
	2017 BUDGET	2016 ADJUSTED	2016 BUDGET	2015	2014
Revenue from Money & Property					
Bond Sales (Present & Future)	\$ 790,841,276	\$ 125,003,513	\$ 786,521,791	\$ -	\$ -
Investment Income	3,000,000	1,905,000	1,600,000	2,278,586	2,694,091
Subtotal	\$ 793,841,276	\$ 126,908,513	\$ 788,121,791	\$ 2,278,586	\$ 2,694,091
Revenue from Miscellaneous Sources					
Federal & State Grants	\$ 11,135,124	\$ 11,195,184	\$ 11,135,124	\$ 11,165,154	\$ -
State Revolving Fund Loans	180,000,000	98,982,000	80,000,000	180,840,600	76,356,100
Miscellaneous	-	2,223,379	-	2,481,873	2,532,064
Subtotal	\$ 191,135,124	\$ 112,400,563	\$ 91,135,124	\$ 194,487,627	\$ 78,888,164
Total Revenue	\$ 984,976,400	\$ 239,309,076	\$ 879,256,915	\$ 196,766,213	\$ 81,582,255
Other Financing Sources (Uses)					
Equity Transfer	\$ (13,000,000)	\$ -	\$ -	\$ -	\$ (8,000,000)
GRAND TOTAL	\$ 971,976,400	\$ 239,309,076	\$ 879,256,915	\$ 196,766,213	\$ 73,582,255

Construction Fund Program

<u>Projects Under Construction</u>			Est.	MWRD		Award
#	Project Name	Project Number	Construc- tion Cost	2017 Appro- piation	Dura- tion (days)	/ Est. Award Date
1	Television Inspection and Recording of Sewer and Manholes, District-wide	13-805-2S	\$ 1,496	\$ 157	1,096	Sep-14
2	FD&I New Tank Drives, LWRP	14-806-21	975	300	1,114	Sep-14
3	Parking Lot Replacement, EWRP	14-714-21	1,462	300	458	Oct-15
4	Rehabilitation of Hydraulic Operator at TARP Gate Structure 1, CSA	15-802-21	1,324	1,000	551	Nov-15
5	FD&I New Boilers at the 125th Street Pumping Station, CSA	14-811-21	379	374	578	Dec-15
6	Restoration of Process Control Building, OWRP	15-711-21	484	484	396	May-16
7	Rehabilitate the Digester Gas Turbine, SWRP	15-913-21	2,038	759	484	May-16
8	Rebuild Two Raw Sewage Pump Rotating Assemblies, OWRP	16-705-21	219	219	209	Aug-16
9	Pavement Rehabilitation, District-wide	16-902-21	1,147	697	487	Aug-16
10	F&D Services to Recondition Various Circuit Breakers, SWRP	15-914-21	131	80	124	Oct-16
11	IWD and Construction Office Renovation, CWRP	16-268-2V	2,546	2,000	591	Nov-16
12	Rehabilitation of Elevators, MOB	16-419-21	600	550	120	Dec-16
13	Applicant Tracking	16-RFP-02	147	147	395	Dec-16
Total Projects Under Construction			\$ 12,948	\$ 7,067		
<u>Awards in 2017</u>			Est.	MWRD		Est.
#	Project Name	Project Number	Construc- tion Cost	2017 Appro- piation	Dura- tion (days)	Award Date
1	Procurement of Membrane Aerated Biofilm Reactor Cassettes for Pilot Plant, HPWRP	15-534-2C	\$ 800	\$ 400	516	Jan-17
2	F&D Telemetry Replacement for Single Point Data at Various Locations	16-602-21	249	249	120	Jan-17
3	F&D Bio-P Control Equipment	16-612-21	150	150	119	Jan-17
4	FD&I Upgraded Sludge Concentration Conveyor, CWRP	16-802-21	250	250	364	Jan-17
5	F&D Windrow Turner, LASMA	17-603-21	650	650	59	Jan-17
6	F&D Utility Vehicles to Various Locations	17-607-21	867	867	364	Jan-17
7	FD&I Disc Filters, HPWRP	17-708-21	1,500	1,200	449	Jan-17
8	CAFR Hosted Solution	17-RFP-08	125	125	243	Jan-17
9	Roof Life Extension, MOB	J15090-064	250	250	365	Jan-17
10	Database Consolidation Project	MWD0000014IT	264	264	365	Jan-17
11	Stickney Effluent Reuse Line, SSA	14-107-2J	600	600	212	Feb-17
12	Installation of Baffle Plates in Final Settling Tanks, OWRP	15-074-2D	1,600	640	758	Feb-17
13	F&D Concrete Erosion Control Block Mats to SEPA 4	16-608-21	80	80	88	Feb-17
14	F&D Vacuum Pump Priming System at the 95th Street Pumping Station, CSA	16-806-21	200	200	333	Feb-17
15	F&D Replacement Gearbox for SEPA 4, CSA	16-815-21	225	225	333	Feb-17
16	F&D Benchtop Fermenter System	17-1xx-21	26	26	149	Feb-17

Awards in 2017 (continued)

#	Project Name	Project Number	Est. Construction Cost	MWRD 2017 Appropriation	Duration (days)	Est. Award Date
17	F&D Storm Pump for the Deerfield Reservoir, NSA	17-701-21	\$ 100	\$ 100	332	Feb-17
18	Overhaul Motor and Magnetic Drive for Raw Sewage Pump No. 3, KWRP	17-710-21	120	120	119	Feb-17
19	F&D Turbo Blower, LWRP	17-802-21	170	170	255	Feb-17
20	Backup and Retention Project	MWD0000011IT	95	95	119	Feb-17
21	F&D One Volute Dewatering Press, SWRP	16-1xx-21	974	974	305	Mar-17
22	Installation of Drain Tiles and Bioreactors, Fulton County	16-605-21	150	150	299	Mar-17
23	FD&I Upgraded Coarse Screen Conveyor System at the North Branch Pumping Station, NSA	16-704-21	150	150	305	Mar-17
24	Painting of Final Tanks, District-wide	17-601-21	1,632	776	974	Mar-17
25	F&D Stake Body Truck, EWRP	17-703-21	100	100	305	Mar-17
26	F&D Air Lift Blower, EWRP	17-704-21	100	100	209	Mar-17
27	F&D Dump Truck, OWRP	17-706-21	175	175	305	Mar-17
28	Re-pipe Devon Avenue Instream Aeration Station Air Main, OWRP	17-707-21	1,500	1,500	305	Mar-17
29	F&D Rider Sweeper, EWRP	17-711-21	30	30	182	Mar-17
30	SAP Simplification (includes SAP A/R Module)	17-RFP-06	100	100	273	Mar-17
31	Document Management System Assessment	17-RFP-07	50	50	275	Mar-17
32	Replace Air Conditioning Units at Waterways Control Center, MOB	J15090-065	20	20	92	Mar-17
33	ITD Infrastructure Upgrades	MWD0000005IT	163	163	152	Mar-17
34	Repair and Rehabilitation of the Gloria Alitto Majewski Reservoir, KWRP	16-708-21	223	223	274	Apr-17
35	FD&I Headrace Handrail, LPH	17-604-21	50	50	91	Apr-17
36	Cofferdam Services, LPH	17-605-21	375	375	274	Apr-17
37	Telemetry Replacement for Outlying Stations	17-606-21	645	215	419	Apr-17
38	FD&I Grit Screw Conveyors, SWRP	17-902-21	2,400	600	1,272	Apr-17
39	Coarse Screen Area Beam Restoration, RAPS	J69943-029.A	100	100	182	Apr-17
40	Avaya Telecom Project	MWD0000013IT	235	71	486	Apr-17
41	Pump Rehabilitation and Diverter Gate Installation, EWRP	16-412-2M	150	150	275	May-17
42	FD&I Boiler for Equipment Garage, CWRP	16-805-21	240	240	152	May-17
43	FD&I Boiler Controls, SWRP	16-901-21	1,300	650	606	May-17
44	Algae Biomass Nutrient Recovery Demonstration Project Installation, OWRP	16-078-2J	500	500	183	Jun-17
45	F&D Interoperable Distributed Control System Workstations and TARP Controllers, Various Locations	17-901-21	125	125	213	Jun-17
46	Security Cameras, MOBC	MWD0000012IT	16	16	121	Jun-17
47	HVAC Improvements, CWRP	16-803-21	180	180	152	Jul-17
48	F&D Programmable Logic Controllers, Chicago River Controlling Works	17-602-21	90	90	147	Jul-17
49	Touhy Avenue Reservoir Rehabilitation, NSA	17-705-21	283	283	153	Jul-17
50	F&D Bar Screens, KWRP	17-709-21	300	300	122	Aug-17

Awards in 2017 (continued)

#	Project Name	Project Number	Est. Construction Cost	MWRD 2017 Appropriation	Duration (days)	Est. Award Date
51	Voice Over Internet Protocol Assessment	17-RFP-05	\$ 100	\$ 100	152	Aug-17
52	Television Inspection and Recording of Sewer and Manholes, District-wide	13-806-2S	1,800	600	1,096	Sep-17
53	Membrane Aerated Biofilm Reactor Pilot Plant, HPWRP	15-534-2J	500	500	123	Oct-17
54	LSSS Permit DB and GIS Integration	17-RFP-09	50	50	365	Nov-17
Total 2017 Awards			\$ 23,127	\$ 16,367		
TOTAL 2017 PROJECTS			\$ 36,075	\$ 23,434		

Note: All cost figures are in thousands of dollars.

Stormwater Management Capital Improvements Bond Fund Program

<u>Awards in 2017</u>		Project	Est. Construc- tion Cost	Dura- tion (days)	Est. Award Date
#	Project Name	Number			
1	* Buffalo Creek Reservoir Expansion	13-370-3F	\$ 19,300	548	Jan-17
2	* Flood Control Project on the East Branch of Cherry Creek, Flossmoor	10-883-CF	3,810	370	Jan-17
3	* Streambank Stabilization Projects for Addison Creek	14-108-3F	478	366	Jan-17
4	Streambank Stabilization Project on Melvina Ditch, Oak Lawn and Chicago Ridge	13-248-3F	10,600	1095	Jan-17
5	Streambank Stabilization Project along Midlothian Creek, Tinley Park	10-882-CF	392	370	Feb-17
6	Flood Control Project at Arrowhead Lake, Palos Heights	10-883-BF	1,200	370	Feb-17
7	Melvina Ditch Reservoir Improvements	14-263-3F	21,452	400	Feb-17
8	Acquisition, Conversion to, and Maintenance of Open Space of Certain Flood-Prone Parcels of Real Property Located along Silver Creek, Franklin Park	16-IGA-13	4,681	730	Mar-17
9	Acquisition, Conversion to, and Maintenance of Open Space of Certain Flood-Prone Parcels of Real Property Located along the Des Plaines River, Wheeling Township	16-IGA-16	1,407	730	Mar-17
10	Flood Control Project on 103rd Street from Cicero Avenue to Central Avenue, Oak Lawn	15-IGA-22	3,000	370	Apr-17
11	Flood Control Project on Natalie Creek, Oak Forest and Midlothian	14-252-3F	8,300	730	Apr-17
12	Flood Control Project for Deer Creek, Ford Heights	10-884-BF	3,440	370	Apr-17
13	Flood Control Project on Farmers and Prairie Creeks	12-056-3F	14,100	660	May-17
14	Lyons Levee Flood Control Improvements, Lyons	13-199-3F	6,500	365	Jul-17
15	Flood Control Project for Midlothian Turnpike at Lavergne Avenue, Crestwood	15-IGA-04	500	370	Sep-17
16	Addison Creek Reservoir	11-186-3F	109,542	730	Oct-17
Total 2017 Awards			\$ 208,702		

Projects Under Development

#	Project Name	Project Number	Est. Construction Cost	Duration (days)	Est. Award Date
17	Streambank Stabilization Project on Tinley Creek, Orland Park	10-882-AF	\$ 3,800	370	Jan-18
18	Flood Control Project for the West Fork of the North Branch of the Chicago River, Glenview	12-055-3F	25,000	730	Jun-18
19	Addison Creek Channel Improvements	11-187-3F	48,133	712	Sep-19
Total Future Awards			\$ 76,933		
Cumulative 2017 and Future Awards			\$ 285,635		

*These projects are funded by the Capital Improvements Bond Fund and the Stormwater Management Fund. Refer to Section VI Stormwater Management Fund for more information about the Stormwater Management Capital Improvement Program.

Note: All cost figures are in thousands of dollars; inflation factor is 0 percent.

<u>Method of Financing</u>				
State Revolving Fund	Alternate Loans	Bonds	Grants	Total
\$ 168,275	\$ 107,360	\$ 10,000	\$ 10,000	\$ 285,635

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO
CHANGES TO THE TENTATIVE 2017 BUDGET RECOMMENDATIONS

Department Page Number:
1 of 1


Fund: 101 Department Number: 15000 Department Name: General Administration

THE FOLLOWING CHANGES ARE RECOMMENDED:

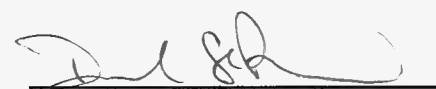
Budget Tentative Page	ED Rec. Page	Code	Position Title or Line Item Name	FROM		TO		Plus/(Minus)		Explanation
				No.	\$ Amount	No.	\$ Amount	No.	\$ Amount	
22	130	612430	Payments for Professional Services		\$556,600		\$570,400		\$13,800	Increase is due to the carryforward of PRISM compliance management software consulting services.

GENERAL ADMINISTRATION BUDGET TOTAL: \$18,545,300 \$18,559,100 \$13,800

November 2016 (BF-20)


Department Head (Recommended)


Budget Officer (Reviewed)


Executive Director (Approved)

11/30/2016
Date

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**METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO
CHANGES TO THE TENTATIVE 2017 BUDGET RECOMMENDATIONS**

Department Page Number:
1 of 1

Fund: 101 Department Number: 16000 Department Name: Monitoring & Research

THE FOLLOWING CHANGES ARE RECOMMENDED:

Budget Tentative Page	ED Rec. Page	Code	Position Title or Line Item Name	FROM		TO		Plus/(Minus)		Explanation
				No.	\$ Amount	No.	\$ Amount	No.	\$ Amount	
27	154	612490	Contractual Services, N.O.C.		\$520,100		\$515,400		(\$4,700)	Decrease is due to a reduced estimate for contractual services related to TARP well sampling.
27	154	612970	Repairs to Testing and Laboratory Equipment		\$416,400		\$421,100		\$4,700	Increase is due to a greater estimate for autoclaves repairs under an existing service agreement.
27	154	623570	Laboratory Testing Supplies, Small Equipment, and Chemicals		\$349,600		\$405,600		\$56,000	Increase is due to a greater need for equipment and parts required for Odor Monitoring and Bio-P programs.
28	155	634970	Testing and Laboratory Equipment		\$479,000		\$423,000		(\$56,000)	Decrease is due to the procurement of the spectrophotometer in 2016 and the reallocation of projects to replace the laboratory fermentor #1 and the Jerome hydrogen sulfide analyzer to the Construction Fund.
--	157	122	Associate Environmental Research Scientist (HP15)	3		0		(3)		Title change for three positions in Section 122.
--	--	122	Environmental Research Scientist (HP15)	0		3		3		Title change for three positions in Section 122.
--	157	123	Associate Environmental Soil Scientist (HP15)	3		0		(3)		Title change for three positions in Section 123.
--	--	123	Environmental Soil Scientist (HP15)	0		3		3		Title change for three positions in Section 123.
--	159	129	Associate Environmental Research Scientist (HP15)	2		0		(2)		Title change for two positions in Section 129.
--	--	129	Environmental Research Scientist (HP15)	0		2		2		Title change for two positions in Section 129.
--	160	162	Laboratory Technician II (HP11)	10		9		(1)		One position was transferred to Section 164.
29	161	164	Laboratory Technician II (HP11)	12		13		1		One position was transferred from Section 162.

MONITORING & RESEARCH BUDGET TOTAL: \$31,030,400 \$31,030,400 \$0

November 2016 (BF-20)

Thomas C. Grawto/g

Department Head (Recommended)

11-18-16

Shelley K. K.../...

Budget Officer (Reviewed)

[Signature]

Executive Director (Approved)

11/30/2016

Date

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**METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO
CHANGES TO THE TENTATIVE 2017 BUDGET RECOMMENDATIONS**

Department Page Number:
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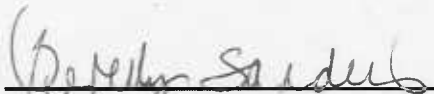
Fund: 101 Department Number: 25000 Department Name: Human Resources

THE FOLLOWING CHANGES ARE RECOMMENDED:

<i>Budget</i>	<i>ED Rec.</i>		<i>Position Title</i>		<i>FROM</i>		<i>TO</i>		<i>Plus/(Minus)</i>	
<i>Tentative</i>	<i>Page</i>	<i>Code</i>	<i>or Line Item Name</i>	<i>No.</i>	<i>\$ Amount</i>	<i>No.</i>	<i>\$ Amount</i>	<i>No.</i>	<i>\$ Amount</i>	<i>Explanation</i>
32	191	601010	Salaries of Regular Employees		\$5,766,400		\$7,453,400		\$1,687,000	Increase is due to the position changes detailed below.
32	191	601100	Tuition and Training Payments		\$600,000		\$741,800		\$141,800	Increase is due to technical training and textbooks needed for the apprenticeship program.
--	194	255	Apprentice (PR1025)	1		71		70		Seventy positions were added in Section 255.

HUMAN RESOURCES BUDGET TOTAL: \$59,032,300 \$60,861,100 \$1,828,800

November 2016 (BF-20)


Department Head (Recommended)


Budget Officer (Reviewed)


Executive Director (Approved)

11/30/2016
Date

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METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO
 CHANGES TO THE TENTATIVE 2017 BUDGET RECOMMENDATIONS

Department Page Number:
 1 of 1

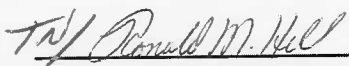
Fund: 101 Department Number: 30000 Department Name: Law


THE FOLLOWING CHANGES ARE RECOMMENDED:

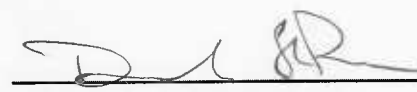
Budget		Code	Position Title or Line Item Name	FROM		TO		Plus/(Minus)		Explanation
Tentative Page	ED Rec. Page			No.	\$ Amount	No.	\$ Amount	No.	\$ Amount	
36	225	601010	Salaries of Regular Employees		\$5,124,600		\$4,996,300		(\$128,300)	Decrease is due to the position changes detailed below.
36	225	601060	Compensation Plan Adjustments		\$101,900		\$141,900		\$40,000	Increase is due to greater estimates for overtime and retirement payouts.
36	225	612250	Court Reporting Services		\$30,000		\$80,000		\$50,000	Increase is due to the Citizen Suit trial scheduled in January 2017.
--	226	323	Legal Assistant (HP13)	1		0		(1)		One position in Section 323 was dropped.
--	227	342	Administrative Specialist (HP11)	1		0		(1)		One position in Section 342 was dropped.

LAW BUDGET TOTAL: \$8,375,300 \$8,337,000 (\$38,300)

November 2016 (BF-20)


 Department Head (Recommended)


 Budget Officer (Reviewed)


 Executive Director (Approved)

11/30/2016
 Date

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**METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO
CHANGES TO THE TENTATIVE 2017 BUDGET RECOMMENDATIONS**

Department Page Number:
1 of 3


Fund: 101 Department Number: 67000 Department Name: Maintenance & Operations - North Service Area

THE FOLLOWING CHANGES ARE RECOMMENDED:

Budget Tentative Page	ED Rec. Page	Code	Position Title or Line Item	FROM		TO		Plus/(Minus)		Explanation
				No.	\$ Amount	No.	\$ Amount	No.	\$ Amount	
44	280	601010	Salaries of Regular Employees		\$23,061,800		\$23,167,400		\$105,600	Increase is due to the position changes detailed below.
44	280	612530	Farming Services		\$33,200		\$233,200		\$200,000	Increase is due to operational costs for the Fischer Farm tree nursery project at the HPWRP, which is scheduled to begin operations in 2017.
--	284	764	Truck Driver (PR6473)	4		5		1		One position was added in Section 764.
--	285	732	Maintenance Laborer Class A Shift (NR8650)	4		4		0		One position was added and a crosshatch #1 was added to one position in Section 732.
--	--	732	Maintenance Laborer Class A Shift #1 (NR8650)	0		1		1		A crosshatch #1 was added to one position in Section 732.
--	285	732	Treatment Plant Operator II (HP14)	5		6		1		One position was added in Section 732.
--	286	783	Principal Engineer (HP18)	2		1		(1)		Title and pay grade change for one position in Section 783.
--	--	783	Senior Civil Engineer (HP17)	0		1		1		Title and pay grade change for one position in Section 783.
--	287	783	Maintenance Laborer Class A Shift (NR8650)	4		4		0		Three positions were added and a crosshatch #1 was added to three positions in Section 783.
--	--	783	Maintenance Laborer Class A Shift #1 (NR8650)	0		3		3		A crosshatch #1 was added to three positions in Section 783.

NORTH SERVICE AREA BUDGET TOTAL: \$41,660,300 \$41,965,900 \$305,600

November 2016 (BF-20)


Department Head (Recommended)


Budget Officer (Reviewed)


Executive Director (Approved)

11/30/2016
Date

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**METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO
CHANGES TO THE TENTATIVE 2017 BUDGET RECOMMENDATIONS**

Department Page Number:
2 of 3

Fund: 101 Department Number: 68000 Department Name: Maintenance & Operations - Calumet Service Area

THE FOLLOWING CHANGES ARE RECOMMENDED:

<i>Budget</i> Tentative Page	<i>ED Rec.</i> Page	<i>Code</i>	<i>Position Title or Line Item</i>	<i>No.</i>	<i>FROM \$ Amount</i>	<i>TO \$ Amount</i>	<i>No.</i>	<i>Plus/(Minus) \$ Amount</i>	<i>Explanation</i>
46	297	612330	Rental Charges		\$300	\$10,100		\$9,800	Increase is due to needed rental services for one insulated 21,000 gallon frac tank, which will be used to contain the carbon source for the Bio-P Program.
47	298	623560	Processing Chemicals		\$3,811,800	\$3,802,000		(\$9,800)	Decrease is due to the determination that the gravity belt thickeners will not be in operation before the concentration tanks are converted to fermentors, resulting in a reduced need for polymer.
--	302	832	Maintenance Laborer Class A Shift (NR8650)	8		8		0	One position was added and a crosshatch #1 was added to one position in Section 832.
--	--	832	Maintenance Laborer Class A Shift #1 (NR8650)	0		1		1	A crosshatch #1 was added to one position in Section 832.
--	302	834	Maintenance Laborer Class A Shift (NR8650)	7		7		0	Two positions were added and a crosshatch #1 was added to two positions in Section 834.
--	--	834	Maintenance Laborer Class A Shift #1 (NR8650)	0		2		2	A crosshatch #1 was added to two positions in Section 834.
--	302	834	Truck Driver (PR6473)	3		2		(1)	A crosshatch #1 was added to one position in Section 834.
--	--	834	Truck Driver #1 (PR6473)	0		1		1	A crosshatch #1 was added to one position in Section 834.

CALUMET SERVICE AREA BUDGET TOTAL: \$37,172,700 \$37,172,700 \$0

November 2016 (BF-20)


Department Head (Recommended)


Budget Officer (Reviewed)


Executive Director (Approved)

11/30/2016
Date

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**METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO
CHANGES TO THE TENTATIVE 2017 BUDGET RECOMMENDATIONS**

Department Page Number:
3 of 3

Fund: 101 Department Number: 69000 Department Name: Maintenance & Operations - Stickney Service Area

THE FOLLOWING CHANGES ARE RECOMMENDED:

<i>Budget Tentative Page</i>	<i>ED Rec. Page</i>	<i>Code</i>	<i>Position Title or Line Item</i>	<i>No.</i>	<i>FROM \$ Amount</i>	<i>TO \$ Amount</i>	<i>No.</i>	<i>Plus/(Minus) \$ Amount</i>	<i>Explanation</i>
48	311	601010	Salaries of Regular Employees		\$34,950,400	\$34,909,400		(\$41,000)	Decrease is due to the position changes detailed below.
--	317	932	Principal Engineer (HP18)	1		0	(1)		Title and pay grade change for one position in Section 932.
--	--	932	Senior Civil Engineer (HP17)	0		1	1		Title and pay grade change for one position in Section 932.
--	318	934	Maintenance Laborer Class A Shift (NR8650)	20		20	0		Five positions were added and a crosshatch #1 was added to five positions in Section 934.
--	--	934	Maintenance Laborer Class A Shift #1 (NR8650)	0		5	5		A crosshatch #1 was added to five positions in Section 934.


STICKNEY SERVICE AREA BUDGET TOTAL: \$81,004,400 \$80,963,400 (\$41,000)

November 2016 (BF-20)

MAINTENANCE & OPERATIONS

BUDGET TOTAL: \$186,505,800 \$186,770,400 \$264,600


Department Head (Recommended)


Budget Officer (Reviewed)


Executive Director (Approved)

11/30/2016
Date

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**METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO
CHANGES TO THE TENTATIVE 2017 BUDGET RECOMMENDATIONS**

Department Page Number:
1 of 2

Fund: 201 Department Number: 50000 Fund Name: Construction

THE FOLLOWING CHANGES ARE RECOMMENDED:

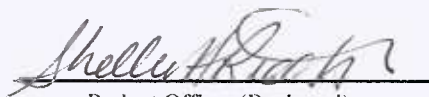
<i>Budget</i>		<i>Code</i>	<i>Position Title or Line Item</i>	<i>No.</i>	<i>FROM</i>	<i>TO</i>	<i>Plus/(Minus)</i>	<i>Explanation</i>
<i>Tentative Page</i>	<i>ED Rec. Page</i>				<i>\$ Amount</i>	<i>\$ Amount</i>	<i>\$ Amount</i>	
58	406	612430	Payments for Professional Services		\$3,634,900	\$3,624,900	(\$10,000)	Decrease is due to a reduced estimate for professional services needed for plant hydraulic modeling.
58	406	612490	Contractual Services, N.O.C.		\$50,000	\$60,000	\$10,000	Increase is due to the carryforward of 16-108-11. Perform Gas Analysis of Odorous Compounds in Gas Samples.
59	406	634860	Vehicle Equipment		\$1,157,000	\$2,072,000	\$915,000	Increase is due to the addition of 17-607-21, F&D Utility Vehicles to Various Service Locations (\$867,000), 17-711-21, F&D Rider Sweeper, EWRP (\$30,000), and the increased estimate for 17-703-21, F&D Stake Body Truck, EWRP (\$18,000).
59	407	645600	Collection Facilities Structures		\$2,339,000	\$2,469,000	\$130,000	Increase is due to the carryforward of 16-608-21, F&D Concrete Erosion Control Block Mats to SEPA 4, resulting from the lack of response to the initial advertisement (\$80,000) and the carryforward of 16-806-21, FD&I an Upgraded Vacuum System at the 95th Street Pumping Station, resulting from the rejection of the sole bid received (\$50,000).
59	407	645620	Waterway Facilities Structures		\$100,000	\$349,000	\$249,000	Increase is due to the carryforward of 16-602-21, F&D Telemetry Replacement for Single Point Data at Various Locations, resulting from the lead time to deliver the equipment.
59	407	645650	Process Facilities Structures		\$5,179,300	\$5,329,300	\$150,000	Increase is due to the carryforward of 16-612-21, F&D Bio-P Control Equipment, resulting from the failure of the sole qualifying bidder to meet the contract specifications.

CONSTRUCTION FUND BUDGET TOTAL: \$34,450,400 \$34,450,400 \$0

November 2016 (BF-20)



Department Head (Recommended)



Budget Officer (Reviewed)



Executive Director (Approved)

11/30/2016
Date

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Department Head (Recommended)

**METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO
CHANGES TO THE TENTATIVE 2017 BUDGET RECOMMENDATIONS**

Department Page Number:
2 of 2

Fund: 201 Department Number: 50000 Fund Name: Construction

THE FOLLOWING CHANGES ARE RECOMMENDED:

Budget Tentative Page	ED Rec. Page	Code	Position Title or Line Item	FROM		TO		Plus/(Minus) \$ Amount	Explanation
				No.	\$ Amount	\$ Amount	No.		
59	407	645690	Capital Projects, N.O.C.		\$6,637,700	\$3,737,700		(\$2,900,000)	Decrease is due to the reallocation of 16-RFP-09, Design, Build, Operate, and Maintain a Native Plant and Tree Nursery at the Fischer Farm, HPWRP to the Corporate and Capital Improvements Bond Funds.
59	407	645700	Preservation of Collection Facility Structures		\$0	\$1,500,000		\$1,500,000	Increase is due to the addition of 17-707-21, Re-pipe Devon Avenue Instream Aeration Station Air Main, OWRP.
59	407	645720	Preservation of Waterway Facility Structures		\$975,000	\$931,000		(\$44,000)	Decrease is due to the reduced estimate for 17-705-21, Touhy Avenue Reservoir Rehabilitation, NSA (\$167,000), offset by the carryforward of 16-708-21, Repair and Rehabilitation of the Gloria Allito Majewski Reservoir, KWRP, resulting from the delay in finalizing the contract specifications (\$123,000).

CONSTRUCTION FUND BUDGET TOTAL: \$34,450,400 \$34,450,400 \$0

November 2016 (BF-20)


Department Head (Recommended)


Budget Officer (Reviewed)


Executive Director (Approved)

11/30/2016
Date

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Department Head (Recommended)

**METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO
CHANGES TO THE TENTATIVE 2017 BUDGET RECOMMENDATIONS**

Department Page Number:
1 of 1

Fund: 401 Department Number: 50000 Fund Name: Capital Improvements Bond

THE FOLLOWING CHANGES ARE RECOMMENDED:

<i>Budget</i>		<i>Code</i>	<i>Position Title or Line Item</i>	<i>No.</i>	<i>FROM</i>	<i>TO</i>	<i>No.</i>	<i>Plus/(Minus)</i>	<i>Explanation</i>
<i>Tentative Page</i>	<i>ED Rec. Page</i>				<i>\$ Amount</i>	<i>\$ Amount</i>		<i>\$ Amount</i>	
62	462	612400	Intergovernmental Agreements		\$7,900,000	\$13,988,400		\$6,088,400	Increase is due to the delay in finalizing intergovernmental agreements relating to the flood-prone property acquisition program in Franklin Park (16-IGA-13, \$4,681,300) and Wheeling (16-IGA-16, \$1,407,100).

CAPITAL IMPROVEMENTS BOND FUND BUDGET TOTAL: \$348,037,200 \$354,125,600 \$6,088,400

November 2016 (BF-20)



Department Head (Recommended)



Budget Officer (Reviewed)



Executive Director (Approved)

11/30/2016

Date

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METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO
 CHANGES TO THE TENTATIVE 2017 BUDGET RECOMMENDATIONS

Department Page Number:
 1 of 1

Fund: 501 Department Number: 50000 Fund Name: Stormwater Management

THE FOLLOWING CHANGES ARE RECOMMENDED:

Budget Tentative Page	ED Rec. Page	Code	Position Title or Line Item	FROM		TO		Plus/(Minus)		Explanation
				No.	\$ Amount	No.	\$ Amount	No.	\$ Amount	
--	522	934	Maintenance Laborer Class A Shift (NR8650)	4		4		0		Two positions were added and a crosshatch #1 was added to two positions in Section 934.
--	--	934	Maintenance Laborer Class A Shift #1 (NR8650)	0		2		2		A crosshatch #1 was added to two positions in Section 934.

STORMWATER MANAGEMENT FUND BUDGET TOTAL: \$44,997,100 \$44,997,100 \$0

November 2017 (BF-20)


 Department Head (Recommended)


 Budget Officer (Reviewed)


 Executive Director (Approved)

11/30/2016
 Date

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**COMPARATIVE STATEMENT OF APPROPRIATIONS AND TAX LEVIES
2017-2015 ALL FUNDS**

APPROPRIATIONS	2017 **	2016 AS PASSED	2016 AS ADJUSTED *	2015 ACTUAL
FUND				
Corporate Fund	\$ 369,158,600	\$ 366,260,700	\$ 366,260,700	\$ 358,995,400
Construction Fund	34,450,400	36,614,400	36,614,400	37,910,700
Capital Improvements Bond Fund ***	354,625,600	483,764,800	483,764,800	453,072,500
Stormwater Management Fund	45,800,100	40,500,800	40,500,800	46,588,800
Retirement Fund	79,505,000	70,772,000	70,772,000	61,654,000
Reserve Claim Fund	30,617,100	30,175,900	30,175,900	30,700,000
Bond Redemption & Interest Fund	228,825,813	216,047,130	216,047,130	214,525,801
TOTAL	\$ 1,142,982,613	\$ 1,244,135,730	\$ 1,244,135,730	\$ 1,203,447,201
LEVIES				
Corporate Fund	\$ 223,946,065	\$ 226,109,300	\$ 226,109,300	\$ 227,659,785
Construction Fund	17,000,000	16,600,000	13,278,297	15,196,952
Stormwater Management Fund	40,856,008	34,250,000	34,250,000	24,050,000
Retirement Fund	73,438,135	65,161,200	65,161,200	58,004,000
Reserve Claim Fund	5,900,000	5,800,000	5,800,000	5,700,000
Subtotal	\$ 361,140,208	\$ 347,920,500	\$ 344,598,797	\$ 330,610,737
Bond Redemption & Interest Fund:				
Capital Improvement Bonds - Series:				
July 2006 Limited Tax	\$ -	\$ -	\$ -	\$ 16,469,690
July 2016 Q E C B	165,804	-	165,805	-
August 2009 Limited Tax	35,564,767	35,564,767	35,564,767	35,564,767
July 2011 Limited Tax Series A	41,406,315	20,230,925	20,230,925	13,894,139
July 2011 Limited Tax Series B	-	-	-	5,646,431
July 2011 Unlimited Tax Series C	3,981,898	7,622,520	7,622,520	13,205,421
2014 Unlimited Tax Series A	5,181,348	5,181,347	5,181,347	5,181,347
2014 Alt Rev Unlimited Tax Series B ****	3,389,171	3,387,824	3,387,824	3,391,347
Alternate Revenue Abatement ****	-	-	-	(3,391,347)
December 2014 Limited Tax Series C	3,240,156	15,540,933	15,540,933	5,052,021
2016 Alt Rev Unlimited Tax Series E ****	2,590,674	-	2,590,674	-
June 2016 Unlimited Tax Series C	1,554,405	-	1,554,404	-
June 2016 Limited Tax Series D	1,036,270	-	1,036,269	-
State Revolving Fund Bonds - Series: Various	72,765,937	70,482,161	72,078,023	69,284,259
Refunding Bonds - Series:				
May 2006 Unlimited Tax	-	17,958,549	-	17,958,550
May 2006 Limited Tax	-	2,631,607	-	2,631,607
March 2007 Unlimited Tax A	26,509,845	25,279,534	25,279,534	29,061,140
March 2007 Unlimited Tax B	4,996,749	4,996,749	4,996,749	4,996,749
March 2007 Limited Tax C	5,541,607	5,541,606	5,541,607	5,541,607
December 2014 Limited Tax Series D	9,264,767	15,494,041	15,494,042	-
June 2016 Unlimited Tax Series A	14,555,959	-	14,555,959	-
June 2016 Limited Tax Series B	2,141,451	-	2,141,451	-
Subtotal Bond Redemption & Interest Fund	\$ 233,887,123	\$ 229,912,563	\$ 232,962,833	\$ 224,487,728
TOTAL	\$ 595,027,331	\$ 577,833,063	\$ 577,561,630	\$ 555,098,465
Abatement after the budget year ****	(5,979,845)		(5,978,498)	
Total (after planned abatement)	\$ 589,047,486		\$ 571,583,132	

NOTES: * As Adjusted reflects the 2015 Equalized Assessed Valuation (EAV) (\$130,304,803,798) estimated to increase 3.0 percent, plus any subsequent supplemental levies and/or appropriations.

** 2017 reflects an estimated 3.0 percent increase in the EAV from the 2016 estimate.

*** Prior year obligations for the Capital Improvements Bond Fund are included in the Appropriation for Liabilities.

**** As part of the plan of financing, it is intended and anticipated that tax revenues deposited in the Stormwater Fund be transferred to the Bond Fund and used to abate taxes levied for this issue.

**COMPARATIVE STATEMENT OF TAX RATES
2017-2015 ALL FUNDS**

Per \$100 in Equalized Assessed Valuation (EAV)

FUND	2017 **	2016 AS PASSED	2016 AS ADJUSTED *	2015 ACTUAL
	tax rate limit			
Corporate Fund	41 ¢	16.20 ¢	16.87 ¢	17.47 ¢
Construction Fund	10 ¢	1.23	1.24	1.17
Stormwater Management Fund	5 ¢	2.96	2.56	1.85
Retirement Fund		5.31	4.86	4.45
Reserve Claim Fund	½ ¢	0.43	0.43	0.44
Subtotal	26.13 ¢	25.96 ¢	25.68 ¢	25.38 ¢
Bond Redemption & Interest Fund:				
Capital Improvement Bonds - Series:				
July 2006 Limited Tax	-	-	-	1.26 ¢
July 2016 Q E C B	0.01	-	0.01	-
August 2009 Limited Tax	2.57	2.65	2.65	2.73
July 2011 Limited Tax Series A	3.00	1.51	1.51	1.07
July 2011 Limited Tax Series B	-	-	-	0.43
July 2011 Unlimited Tax Series C	0.29	0.57	0.57	1.01
December 2014 Unlimited Tax Series A	0.37	0.39	0.39	0.40
2014 Alt Rev Unlimited Tax Series B ***	0.25	0.57	0.25	0.26
Alternate Revenue Abatement ***	-	-	-	(0.26)
December 2014 Limited Tax Series C	0.23	0.39	1.16	0.39
2016 Alt Rev Unlimited Tax Series E ***	0.19	-	0.19	-
June 2016 Unlimited Tax Series C	0.11	-	0.12	-
June 2016 Limited Tax Series D	0.07	-	0.08	-
State Revolving Fund Bonds - Series:				
Various	5.26	5.26	5.37	5.32
Refunding Bonds - Series:				
May 2006 Unlimited Tax	-	1.34	-	1.38
May 2006 Limited Tax	-	0.20	-	0.20
March 2007 Unlimited Tax Series A	1.92	1.89	1.88	2.23
March 2007 Unlimited Tax Series B	0.36	0.37	0.37	0.38
March 2007 Limited Tax Series C	0.40	0.41	0.41	0.43
December 2014 Limited Tax D	0.67	1.16	1.15	-
June 2016 Unlimited Tax Series A	1.05	-	1.08	-
June 2016 Limited Tax B	0.15	-	0.16	-
Subtotal Bond Redemption & Interest Fund	16.90 ¢	16.71 ¢	17.35 ¢	17.23 ¢
TOTAL	43.03 ¢	42.67 ¢	43.03 ¢	42.61 ¢

NOTES: * As Adjusted reflects the 2015 EAV (\$130,304,803,798) estimated to increase 3.0 percent, plus any subsequent supplemental levies and/or appropriations.

** 2017 reflects an estimated 3.0 percent increase in the EAV from the 2016 estimate.

*** As part of the plan of financing, it is intended and anticipated that tax revenues deposited in the Stormwater Fund be transferred to the Bond Fund and used to abate taxes levied for this issue.

**ACCOUNT SUMMARY COMPARISON
2017 - 2016 ALL FUNDS**

ORGANIZATION OR FUND	Account Appropriation		Increase (Decrease) 2017 - 2016	
	2017	2016*	Dollars	Percent
Board of Commissioners	\$ 4,510,800	\$ 4,407,800	\$ 103,000	2.3
General Administration	18,563,900	16,819,300	1,744,600	10.4
Monitoring & Research	31,051,800	30,523,200	528,600	1.7
Procurement & Materials Management	9,534,000	8,777,400	756,600	8.6
Human Resources	60,861,100	60,816,800	44,300	0.1
Information Technology	17,283,200	17,448,600	(165,400)	(0.9)
Law	8,337,000	7,972,600	364,400	4.6
Finance	3,657,400	3,696,300	(38,900)	(1.1)
Maintenance & Operations:				
General Division	26,668,400	23,111,200	3,557,200	15.4
North Service Area	41,965,900	43,830,100	(1,864,200)	(4.3)
Calumet Service Area	37,172,700	38,039,500	(866,800)	(2.3)
Stickney Service Area	80,963,400	82,745,000	(1,781,600)	(2.2)
TOTAL Maintenance & Operations	\$ 186,770,400	\$ 187,725,800	\$ (955,400)	(0.5)
Engineering	28,589,000	28,072,900	516,100	1.8
TOTAL Corporate Fund	\$ 369,158,600	\$ 366,260,700	\$ 2,897,900	0.8
Construction Fund	34,450,400	36,614,400	(2,164,000)	(5.9)
Capital Improvements Bond Fund	354,625,600	483,764,800	(129,139,200)	(26.7)
TOTAL Capital Budget	\$ 389,076,000	\$ 520,379,200	\$ (131,303,200)	(25.2)
Stormwater Management Fund	45,800,100	40,500,800	5,299,300	13.1
Bond Redemption & Interest Fund	228,825,813	216,047,130	12,778,683	5.9
Retirement Fund	79,505,000	70,772,000	8,733,000	12.3
Reserve Claim Fund	30,617,100	30,175,900	441,200	1.5
GRAND TOTAL	<u>\$1,142,982,613</u>	<u>\$1,244,135,730</u>	<u>\$ (101,153,117)</u>	<u>(8.1)</u>

*Adjusted Appropriation

**PERSONNEL SUMMARY COMPARISON
2017 - 2015 ALL FUNDS**

ORGANIZATION OR FUND	Proposed FTEs 2017	Budgeted FTEs 2016	Actual FTEs 2015	Increase (Decrease) 2017 - 2016	
				FTEs	Percent
Board of Commissioners	38	38	37	-	-
General Administration	123	122	118	1	0.8
Monitoring & Research	309	308	296	1	0.3
Procurement & Materials Management	63	63	63	-	-
Human Resources	141	73	74	68	93.2
Information Technology	75	76	63	(1)	(1.3)
Law	38	38	37	-	-
Finance	28	28	29	-	-
Maintenance & Operations:					
General Division	115	87	94	28	32.2
North Service Area	247	259	259	(12)	(4.6)
Calumet Service Area	188	196	201	(8)	(4.1)
Stickney Service Area	372	385	398	(13)	(3.4)
TOTAL Maintenance & Operations	<u>922</u>	<u>927</u>	<u>952</u>	<u>(5)</u>	<u>(0.5)</u>
Engineering	246	244	242	2	0.8
TOTAL Corporate Fund	<u>1,983</u>	<u>1,917</u>	<u>1,911</u>	<u>66</u>	<u>3.4</u>
Construction Fund	-	-	-	-	-
Capital Improvements Bond Fund	-	-	-	-	-
TOTAL Capital Budget	-	-	-	-	-
Stormwater Management Fund	59	59	55	-	-
Bond Redemption & Interest Fund	-	-	-	-	-
Retirement Fund	-	-	-	-	-
Reserve Claim Fund	-	-	-	-	-
GRAND TOTAL	<u><u>2,042</u></u>	<u><u>1,976</u></u>	<u><u>1,966</u></u>	<u><u>66</u></u>	<u><u>3.3</u></u>

**ALL FUNDS
SUMMARY OF REVENUE AND EXPENDITURES
2017 BUDGETED**

(In Thousands)

	FUND							
	CORPORATE	CAPITAL IMPROVEMENTS BOND*	CONSTRUCTION	STORMWATER MANAGEMENT	RETIREMENT	BOND REDEMPTION & INTEREST	RESERVE CLAIM	TOTAL
REVENUE								
Net Assets Appropriable	\$ 135,931.3	\$ (617,850.8)	\$ 10,405.4	\$ 7,000.1	\$ 79,505.0	\$ 222,656.5	\$ 30,417.1	\$ (131,935.4)
Budget Reserve	(88,865.7)	-	-	-	-	-	-	(88,865.7)
Net Property Taxes	216,108.0	-	16,405.0	39,426.0	-	-	-	271,939.0
Personal Property Replacement Tax	18,164.0	-	-	-	-	-	-	18,164.0
Working Cash Borrowings Adjustment	(4,272.0)	-	(205.0)	(626.0)	-	-	-	(5,103.0)
Bond Sales (Present & Future)	-	791,341.3	-	-	-	-	-	791,341.3
Grants (Federal & State)	-	11,135.1	-	-	-	-	-	11,135.1
Investment Income	600.0	3,000.0	100.0	-	-	400.0	200.0	4,300.0
State Revolving Fund Loans	-	180,000.0	-	-	-	-	-	180,000.0
Property & Services	19,900.0	-	-	-	-	-	-	19,900.0
User Charge	47,000.0	-	-	-	-	-	-	47,000.0
TIF Differential Fee & Impact Fee	11,025.0	-	745.0	-	-	-	-	11,770.0
Equity Transfer	6,000.0	(13,000.0)	7,000	-	-	5,769.3	-	5,769.3
Resource Recovery	4,000.0	-	-	-	-	-	-	4,000.0
Miscellaneous	3,568.0	-	-	-	-	-	-	3,568.0
TOTAL REVENUE	\$ 369,158.6	\$ 354,625.6	\$ 34,450.4	\$ 45,800.1	\$ 79,505.0	\$ 228,825.8	\$ 30,617.1	\$ 1,142,982.6
EXPENDITURES								
Board of Commissioners	\$ 4,510.8	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,510.8
General Administration	18,563.9	-	-	-	-	-	-	18,563.9
Monitoring & Research	31,051.8	-	-	-	-	-	-	31,051.8
Procurement & Materials Mgmt.	9,534.0	-	-	-	-	-	-	9,534.0
Human Resources	60,861.1	-	-	-	-	-	-	60,861.1
Information Technology	17,283.2	-	-	-	-	-	-	17,283.2
Law	8,337.0	-	-	-	-	-	-	8,337.0
Finance	3,657.4	-	-	-	-	-	-	3,657.4
Engineering	28,589.0	354,625.6	34,450.4	-	-	-	-	417,665.0
Maintenance & Operations	186,770.4	-	-	-	-	-	-	186,770.4
Stormwater Management Fund	-	-	-	40,030.8	-	-	-	40,030.8
Retirement Fund	-	-	-	-	79,505.0	-	-	79,505.0
Bond Redemption & Interest Fund	-	-	-	-	-	228,825.8	-	228,825.8
Reserve Claim Fund	-	-	-	-	-	-	30,617.1	30,617.1
Equity Transfer	-	-	-	5,769.3	-	-	-	5,769.3
TOTAL EXPENDITURES	\$ 369,158.6	\$ 354,625.6	\$ 34,450.4	\$ 45,800.1	\$ 79,505.0	\$ 228,825.8	\$ 30,617.1	\$ 1,142,982.6

* The Capital Improvements Bond Fund is budgeted on an "obligation" basis, which records expenditures in the period in which the contracts or grants are awarded.

**ALL FUNDS
SUMMARY OF REVENUE AND EXPENDITURES
2016 ESTIMATED**

(In Thousands)

	FUND							
	CORPORATE	CAPITAL IMPROVEMENTS BOND*	CONSTRUCTION	STORMWATER MANAGEMENT	RETIREMENT	BOND REDEMPTION & INTEREST	RESERVE CLAIM	TOTAL
REVENUE								
Net Assets Appropriable	\$ 145,889.3	\$ (609,914.9)	\$ 16,341.7	\$ 9,371.5	\$ 70,772.0	\$ 210,648.9	\$ 29,905.5	\$ (126,986.0)
Adjustment for Receipts	4,305.6	-	791.4	304.0	-	-	-	5,401.0
Net Property Taxes	218,195.5	-	16,019.0	33,051.3	-	-	-	267,265.8
Personal Property Replacement Tax	24,676.0	-	1,100.0	-	-	-	-	25,776.0
Working Cash Borrowings Adjustment	(4,671.5)	-	(319.0)	(551.2)	-	-	-	(5,541.7)
Bond Sales (Present & Future)	-	125,003.5	-	-	-	-	-	125,003.5
Grants (Federal & State)	-	11,195.2	-	-	-	-	-	11,195.2
Investment Income	793.0	1,905.0	156.8	99.0	-	1,020.0	283.0	4,256.8
State Revolving Fund Loans	-	98,982.0	-	-	-	-	-	98,982.0
Property & Services	21,180.8	-	-	-	-	-	-	21,180.8
User Charge	47,500.0	-	-	-	-	-	-	47,500.0
TIF Differential Fee & Impact Fee	8,380.3	-	745.0	-	-	-	-	9,125.3
Equity Transfer	-	-	-	-	-	3,272.7	-	3,272.7
Miscellaneous	4,145.1	2,223.4	43.9	-	-	-	-	6,412.4
TOTAL REVENUE	\$ 470,394.1	\$ (370,605.8)	\$ 34,878.8	\$ 42,274.6	\$ 70,772.0	\$ 214,941.6	\$ 30,188.5	\$ 492,843.8
EXPENDITURES								
Board of Commissioners	\$ 4,204.1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,204.1
General Administration	15,452.6	-	-	-	-	-	-	15,452.6
Monitoring & Research	27,592.1	-	-	-	-	-	-	27,592.1
Procurement & Materials Mgmt.	8,650.0	-	-	-	-	-	-	8,650.0
Human Resources	58,772.3	-	-	-	-	-	-	58,772.3
Information Technology	14,055.6	-	-	-	-	-	-	14,055.6
Law	6,751.5	-	-	-	-	-	-	6,751.5
Finance	3,475.0	-	-	-	-	-	-	3,475.0
Engineering	25,551.2	247,245.0	24,473.4	-	-	-	-	297,269.6
Maintenance & Operations	169,958.4	-	-	-	-	-	-	169,958.4
Stormwater Management Fund	-	-	-	32,001.8	-	-	-	32,001.8
Retirement Fund	-	-	-	-	70,772.0	-	-	70,772.0
Bond Redemption & Interest Fund	-	-	-	-	-	214,941.6	-	214,941.6
Reserve Claim Fund	-	-	-	-	-	-	5,398.2	5,398.2
Equity Transfer	-	-	-	3,272.7	-	-	-	3,272.7
TOTAL EXPENDITURES	\$ 334,462.8	\$ 247,245.0	\$ 24,473.4	\$ 35,274.5	\$ 70,772.0	\$ 214,941.6	\$ 5,398.2	\$ 932,567.5

* The Capital Improvements Bond Fund is budgeted on an "obligation" basis, which records expenditures in the period in which the contracts or grants are awarded.

**CORPORATE FUND
ESTIMATED BALANCE SHEET
JANUARY 1, 2017 AND 2016**

	ASSETS			
	2017		2016	
	AMOUNT	AVAILABLE FOR APPROPRIATION	AMOUNT	AVAILABLE FOR APPROPRIATION
CURRENT ASSETS				
Cash & Investments	\$ 100,200,000	\$ 100,200,000	\$ 129,640,100	\$ 129,640,100
Taxes Receivable	218,195,475	218,828,128	219,244,140	219,815,255
Replacement Tax	20,275,500	20,275,500	27,101,600	27,101,600
Due from Other Funds	-	-	200,000	200,000
Total Current Assets	\$ 338,670,975	\$ 339,303,628	\$ 376,185,840	\$ 376,756,955
LIABILITIES & FUND EQUITY				
CURRENT LIABILITIES				
Unpaid Bills:				
Accrued Salaries & Wages	\$ 2,827,328	\$ 2,827,328	\$ 3,900,000	\$ 3,900,000
Personal Services - Other	-	-	-	-
Payroll Withholding & Miscellaneous	2,500,000	2,500,000	3,000,000	3,000,000
Contractual Services	18,045,000	18,045,000	26,528,000	26,528,000
Materials & Supplies	-	-	-	-
Machinery & Equipment	-	-	-	-
Due to Corporate Working Cash Fund	180,000,000	180,000,000	190,000,000	190,000,000
Total Current Liabilities	\$ 203,372,328	\$ 203,372,328	\$ 223,428,000	\$ 223,428,000
Total Liabilities & Designations		\$ 203,372,328		\$ 223,428,000
ASSETS APPROPRIABLE FOR 2017 & 2016				
Net Assets Appropriaible		\$ 135,931,300		\$ 153,328,955
Budget Reserve		\$ (88,865,700)		\$ (100,081,255)
Net Assets Appropriated		\$ 47,065,600		\$ 53,247,700
Equity Transfer		6,000,000		-
Estimated Revenue		316,093,000		313,013,000
Total Assets Appropriable		\$ 369,158,600		\$ 366,260,700
FUND EQUITY				
Undesignated	\$ 135,298,647		\$ 152,757,840	
Total Fund Equity	\$ 135,298,647		\$ 152,757,840	
Total Liabilities & Fund Equity	\$ 338,670,975		\$ 376,185,840	

CAPITAL IMPROVEMENTS BOND FUND
APPROPRIABLE REVENUE
2017 - 2014

REVENUE DESCRIPTION	ESTIMATED			ACTUAL	
	2017 BUDGET	2016 ADJUSTED	2016 BUDGET	2015	2014
Revenue from Money & Property					
Bond Sales (Present & Future)	\$ 791,341,276	\$ 125,003,513	\$ 786,521,791	\$ -	\$ -
Investment Income	3,000,000	1,905,000	1,600,000	2,278,586	2,694,091
Subtotal	\$ 794,341,276	\$ 126,908,513	\$ 788,121,791	\$ 2,278,586	\$ 2,694,091
Revenue from Miscellaneous Sources					
Federal & State Grants	\$ 11,135,124	\$ 11,195,184	\$ 11,135,124	\$ 11,165,154	\$ -
State Revolving Fund Loans	180,000,000	98,982,000	80,000,000	180,840,600	76,356,100
Miscellaneous	-	2,223,379	-	2,481,873	2,532,064
Subtotal	\$ 191,135,124	\$ 112,400,563	\$ 91,135,124	\$ 194,487,627	\$ 78,888,164
Total Revenue	\$ 985,476,400	\$ 239,309,076	\$ 879,256,915	\$ 196,766,213	\$ 81,582,255
Other Financing Sources (Uses)					
Equity Transfer	\$ (13,000,000)	\$ -	\$ -	\$ -	\$ (8,000,000)
GRAND TOTAL	\$ 972,476,400	\$ 239,309,076	\$ 879,256,915	\$ 196,766,213	\$ 73,582,255

**STORMWATER MANAGEMENT FUND
ESTIMATED BALANCE SHEET
JANUARY 1, 2017 AND 2016**

	ASSETS			
	2017		2016	
	AMOUNT	AVAILABLE FOR APPROPRIATION	AMOUNT	AVAILABLE FOR APPROPRIATION
CURRENT ASSETS				
Cash & Investments	\$ 7,247,468	\$ 7,247,468	\$ 6,373,896	\$ 6,373,896
Taxes Receivable	33,051,250	33,291,300	23,208,250	23,303,350
Total Current Assets	\$ 40,298,718	\$ 40,538,768	\$ 29,582,146	\$ 29,677,246
LIABILITIES & FUND EQUITY				
CURRENT LIABILITIES				
Unpaid Bills:				
Accrued Salaries & Wages	\$ 632,368	\$ 632,368	\$ 200,000	\$ 200,000
Contracts Payable	6,406,300	6,406,300	9,776,446	9,776,446
Personal Services	-	-	-	-
Contractual Services	-	-	-	-
Materials & Supplies	-	-	-	-
Machinery & Equipment	-	-	-	-
Due to:				
Stormwater Working Cash Fund	26,500,000	26,500,000	12,000,000	12,000,000
Total Current Liabilities	\$ 33,538,668	\$ 33,538,668	\$ 21,976,446	\$ 21,976,446
Designated for Future Claims Liabilities		\$ -		\$ -
Total Current Liabilities and Designations		\$ 33,538,668		\$ 21,976,446
ASSETS APPROPRIABLE FOR 2017 AND 2016				
Net Assets Appropriable		\$ 7,000,100		\$ 7,700,800
Net Assets Appropriated		\$ 1,230,850		\$ 4,428,100
Equity Transfer to Bond and Interest Fund		5,769,250		3,272,700
Estimated Revenue		38,800,000		32,800,000
Total Assets Appropriable		\$ 45,800,100		\$ 40,500,800
FUND EQUITY	\$ 6,760,050		\$ 7,605,700	
Total Liabilities & Fund Equity	\$ 40,298,718		\$ 29,582,146	

**BOND REDEMPTION & INTEREST FUND
ESTIMATED BALANCE SHEET
JANUARY 1, 2017 AND 2016**

ASSETS

	2017		2016	
	AMOUNT	AVAILABLE FOR APPROPRIATION	AMOUNT	AVAILABLE FOR APPROPRIATION
CURRENT ASSETS				
Cash & Investments	\$ 110,265,700	\$ 110,265,700	\$ 102,566,469	\$ 102,566,469
Restricted Cash	-	-	-	-
Deposits with Escrow Agent	-	-	-	-
Taxes Receivable	221,865,622	222,973,165	220,723,299	222,058,562
Total Current Assets	\$ 332,131,322	\$ 333,238,865	\$ 323,289,768	\$ 324,625,031

LIABILITIES & FUND EQUITY

CURRENT LIABILITIES

Bonds Payable	\$ 111,221,916	\$ 100,311,969
Interest Payable	117,603,897	115,735,161
Program Expense Payable	-	-
Equity Transfer	-	-
Total Current Liabilities	\$ 228,825,813	\$ 216,047,130

ASSETS APPROPRIABLE FOR 2017 AND 2016

Net Assets Appropriable	\$ 333,238,865	\$ 324,625,031
Equity Transfer from Stormwater Management Fund	5,769,300	3,269,300
Estimated Revenue	400,000	700,000
Total Assets Available	\$ 339,408,165	\$ 328,594,331
Liabilities Payable from Restricted Assets	-	-
Less: Assets Available for Future Years (Principal & Interest Payments)	(110,582,352)	(112,547,243)
Total Assets Appropriable	\$ 228,825,813	\$ 216,047,088

FUND EQUITY

Undesignated	\$ 103,305,509	\$ 107,242,638
TOTAL FUND EQUITY	\$ 103,305,509	\$ 107,242,638
Total Liabilities & Fund Equity	\$ 332,131,322	\$ 323,289,768

Capital Improvements Bond Fund Program

Awards in 2017		Project Number	Est. Construction Cost	Duration (days)	Est. Award Date
1	Devon Instream Aeration Station Switchgear Replacement and Wilmette Pumping Station Conduit Replacement	16-077-3E	\$ 1,000	365	Jan-17
2	Organic Waste Receiving Facility and Digester Gas Flare Upgrade, CWRP	11-240-3P	10,500	540	Jan-17
3	Drop Shaft 5 Inspection and Rehabilitation, NSA	14-372-3S	2,700	260	Jan-17
4	Conversion of Two New GCTs to Primary Sludge Fermenters and Installation of a Gas Detection System in the New GCT Building, SWRP	15-124-3P	3,000	545	Jan-17
5	Covered Composting System, CWRP	16-270-3P	24,000	365	Apr-17
6	Summit Conduit Rehabilitation, SSA	16-126-3S	1,700	250	Apr-17
7	Furnish, Deliver, and Install Odor Control Systems, HPWRP	16-537-3P	1,000	365	Apr-17
8	McCook Reservoir Expanded Stage 2 Slope Stabilization and Retaining Walls	16-125-4F	11,200	370	May-17
9	Fischer Farms Horticultural Center, HPWRP	16-538-3V	3,500	370	Jun-17
10	Furnish, Deliver, and Install Junction Chamber Odor Control System, CWRP	16-271-3P	1,000	365	Jun-17
11	Enhancements to iPACS	17-1SS-31	200	180	Jun-17
12	Enhancements to the Laboratory Information Management System (LIMS) including Integrating the Organic Compounds Analytical Laboratory into LIMS	17-RFP-15	300	365	Jun-17
13	Rehabilitation of North Branch Pumping Station, NSA	16-079-3D	1,500	365	Oct-17
14	Furnish, Deliver, and Install Odor Control Systems, KWRP	16-373-3P	1,000	365	Oct-17
15	Thornton Reservoir Valve Shaft Chamber Cone Valve, Crane and Drip Ceiling Rehabilitation	15-266-3F	3,000	365	Dec-17
Total 2017 Awards			\$ 65,600		

Projects Under Development

#	Project Name	Project Number	Est. Construction Cost	Duration (days)	Est. Award Date
16	Fermenters, CWRP	16-269-3P	\$ 3,000	370	Jan-18
17	Upper Des Plaines Intercepting Sewer 11D, Extension C Rehabilitation, NSA	11-404-3S	5,500	450	Feb-18
18	Upper Des Plaines Intercepting Sewer 14B Rehabilitation, NSA	06-360-3S	6,700	360	Mar-18
19	Replacement of Tailrace Stop Logs, Equipment, and Headgates, Lockport Power House	15-830-3D	10,000	720	Mar-18
20	39th Street Conduit Rehabilitation - Phase II, SSA	01-103-AS	24,700	770	Jun-18
21	Upper Des Plaines Intercepting Sewer 11D Rehabilitation, NSA	12-369-3S	5,500	450	Aug-18
22	Upgrade Gate Control Equipment at TARP Control Structures, KWRP, NSA	06-358-3M	2,200	540	Oct-18
23	Digester Gas Utilization Facilities, SWRP	11-189-3P	17,000	1,095	Jan-19
24	North Shore 1 Rehabilitation, NSA	10-047-3S	21,500	500	Jan-19
25	Phosphorus Recovery System, CWRP	12-245-3P	10,000	1,095	Jan-19
26	Odor Control Facilities, SWRP	14-114-3M	12,767	730	Apr-19
27	Organic Waste Receiving Station, SWRP	14-117-3P	10,000	365	Apr-19

<u>Projects Under Development (continued)</u>		Project	Est. Construc- tion Cost	Dura- tion (days)	Est. Award Date
#	Project Name	Number			
28	Screens and Conveyor Improvements at 125th Street Pumping Station, CSA	09-230-3M	\$ 3,825	500	Jul-19
29	A/B and C/D Service Tunnel Rehabilitation - Phase III	16-127-3D	17,000	1,095	Oct-19
30	Palos Hills Pumping Station - Force Main, CSA	11-242-3S	10,000	500	Feb-21
31	Deammonification System, SWRP	13-101-3P	30,000	550	Sep-21
Total Future Awards			\$ 189,692		
Cumulative 2017 and Future Awards			\$ 255,292		

Note: All cost figures are in thousands of dollars; inflation factor is 0 percent.

Bold Type Indicates Unlimited Tax Bond Project

	Method of Financing		
	State Revolving <u>Fund Loans</u>	General Obligation	
		<u>Bonds</u>	<u>Total</u>
Tunnel and Reservoir Plan	\$ -	\$ 11,200	\$ 11,200
Water Reclamation Plant	45,767	3,000	48,767
Expansion and Improvements			
Solids Management	74,500	3,500	78,000
Collection Facilities	20,000	14,700	34,700
Replacement of Facilities	49,425	32,700	82,125
Other	-	500	500
	\$ 189,692	\$ 65,600	\$ 255,292

Stormwater Management Fund Program

<u>Awards in 2017</u>			Est. Constr- uction Cost	MWRD 2017 Appro- priation	Dura- tion (days)	Est. Award Date
#	Project Name	Project Number				
1	Streambank Stabilization Project along Calumet Union Drainage Ditch	10-882-BF	\$ 1,839	\$ 750	370	Jan-17
2 *	Flood Control Project on the East Branch of Cherry Creek, Flossmoor	10-883-CF	1,050	1,050	370	Jan-17
3 *	Buffalo Creek Reservoir Expansion	13-370-3F	1,831	733	548	Jan-17
4 *	Streambank Stabilization Projects for Addison Creek	14-108-3F	517	517	366	Jan-17
5	Controls for Dearborn Homes	14-113-5F	1,220	1,220	150	Apr-17
6	Flood Control Project at 61st Avenue and 36th Street, Cicero	16-IGA-21	2,498	1,250	370	Apr-17
Total 2017 Awards			\$ 8,955	\$ 5,520		

<u>Projects Under Development</u>			Est. Constr- uction Cost	Cumulative Const. Cost	Dura- tion (days)	Est. Award Date
#	Project Name	Project Number				
7	Intergovernmental Agreements	Various	\$ 25,000	\$ 33,955	Various	TBD
Total Future Awards			\$ 25,000			
Cumulative 2017 and Future Awards			\$ 33,955	\$ 33,955		

*This project is funded by the Capital Improvements Bond Fund and the Stormwater Management Fund. Refer to Section V Capital Budget for more information about Stormwater Management projects funded by alternative bonds.

Note: All cost figures are in thousands of dollars; inflation factor is 0 percent.

**METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO
CHANGES TO THE ADOPTED 2017 BUDGET RECOMMENDATIONS**

Department Page Number:
1 of 1

Fund: 101 Department Number: 15000 Department Name: General Administration

THE FOLLOWING CHANGES ARE RECOMMENDED:

Budget Tentative Page	ED Rec. Page	Code	Position Title or Line Item Name	FROM		TO		Plus/(Minus)		Explanation
				No.	\$ Amount	No.	\$ Amount	No.	\$ Amount	
22	130	601010	Salaries of Regular Employees		\$10,795,800		\$10,803,300		\$7,500	Increase is due to the position changes detailed below.
22	130	601060	Compensation Plan Adjustments		\$948,300		\$945,600		(\$2,700)	Decrease is due to the position changes detailed below.
25	134	096	Motor Vehicle Dispatcher Supervisor (HP11)	1		0		(1)		Pay grade change for one position in Section 096.
--	--	096	Motor Vehicle Dispatcher Supervisor (NR8661)	0		1		1		Pay grade change for one position in Section 096.
25	134	096	Motor Vehicle Dispatcher (HP09)	2		0		(2)		Pay grade change for two positions in Section 096.
--	--	096	Motor Vehicle Dispatcher (NR8660)	0		2		2		Pay grade change for two positions in Section 096.

GENERAL ADMINISTRATION BUDGET TOTAL: \$18,559,100 \$18,563,900 \$4,800

December 2016 (BF-21)





Department Head (Recommended) Budget Officer (Reviewed) Executive Director (Approved) Date: 12/7/16 Page: 1

**METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO
CHANGES TO THE ADOPTED 2017 BUDGET RECOMMENDATIONS**

Department Page Number:
1 of 1

Fund: 101 Department Number: 16000 Department Name: Monitoring & Research

THE FOLLOWING CHANGES ARE RECOMMENDED:

Budget Tentative Page	ED Rec. Page	Code	Position Title or Line Item Name	FROM		TO		Plus/(Minus)		Explanation
				No.	\$ Amount	No.	\$ Amount	No.	\$ Amount	
27	154	601010	Salaries of Regular Employees		\$27,522,600		\$27,544,000		\$21,400	Increase is due to the position change detailed below.
29	161	166	Assistant Environmental Chemist #1 (HP14)	1		2		1		One position was added in Section 166.

MONITORING & RESEARCH BUDGET TOTAL: \$31,030,400 \$31,051,800 \$21,400

December 2016 (BF-21)

Thomas Grandis / sp
Department Head (Recommended)

mpc 11-23-16

Shella Probst
Budget Officer (Reviewed)

D. L. [Signature]
Executive Director (Approved)

12/7/16
Date

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Page

**METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO
CHANGES TO THE ADOPTED 2017 BUDGET RECOMMENDATIONS**

Fund: 101 Department Number: 30000

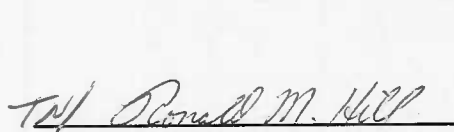
Department Name: Law

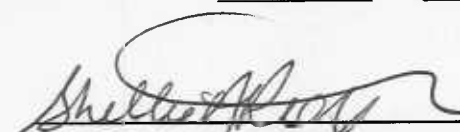
THE FOLLOWING CHANGES ARE RECOMMENDED:

<i>Budget</i>		<i>Code</i>	<i>Position Title or Line Item Name</i>	<i>FROM</i>		<i>TO</i>		<i>Plus/(Minus)</i>		<i>Explanation</i>
<i>Tentative Page</i>	<i>ED Rec. Page</i>			<i>No.</i>	<i>\$ Amount</i>	<i>No.</i>	<i>\$ Amount</i>	<i>No.</i>	<i>\$ Amount</i>	
--	--	324	Assistant Attorney (HP16)	0		1		1		One position was added in Section 324.
--	--	362	Assistant Attorney (HP16)	0		1		1		One position was added in Section 362.

LAW BUDGET TOTAL: \$8,337,000 \$8,337,000 \$0

December 2016 (BF-21)


Department Head (Recommended)


Budget Officer (Reviewed)


Executive Director (Approved)

12/7/16
Date

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**METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO
CHANGES TO THE ADOPTED 2017 BUDGET RECOMMENDATIONS**

Department Page Number:
1 of 1

Fund: 101 Department Number: 40000 Department Name: Finance

THE FOLLOWING CHANGES ARE RECOMMENDED:

<i>Budget</i> <i>Tentative</i> <i>Page</i>	<i>ED Rec.</i> <i>Page</i>	<i>Code</i>	<i>Position Title</i> <i>or Line Item Name</i>	<i>FROM</i> <i>No.</i>	<i>\$ Amount</i>	<i>TO</i> <i>No.</i>	<i>\$ Amount</i>	<i>Plus/(Minus)</i> <i>No.</i>	<i>\$ Amount</i>	<i>Explanation</i>
--	--	612340	Discount Loss		\$0		\$1,500		\$1,500	Increase is due to the addition of a new Commitment Item needed to track lost discounts.

FINANCE BUDGET TOTAL: \$3,655,900 \$3,657,400 \$1,500

December 2016 (BF-21)


Department Head (Recommended)


Budget Officer (Reviewed)


Executive Director (Approved)

12/7/16
Date

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METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO
 CHANGES TO THE ADOPTED 2017 BUDGET RECOMMENDATIONS

Department Page Number:
 1 of 1


Fund: 201 Department Number: 50000 Fund Name: Construction

THE FOLLOWING CHANGES ARE RECOMMENDED:

<i>Budget</i>					<i>FROM</i>		<i>TO</i>		<i>Plus/(Minus)</i>	
<i>Tentative</i>	<i>ED Rec.</i>		<i>Position Title</i>		<i>\$ Amount</i>		<i>\$ Amount</i>		<i>\$ Amount</i>	<i>Explanation</i>
<i>Page</i>	<i>Page</i>	<i>Code</i>	<i>or Line Item Name</i>	<i>No.</i>		<i>No.</i>		<i>No.</i>		
58	--	623810	Computer Supplies		\$95,000		\$0		(\$95,000)	Decrease is due to the reallocation of the backup and retention project to the Commitment Item for Computer Equipment.
58	406	634810	Computer Equipment		\$178,600		\$273,600		\$95,000	Increase is due to the reallocation of the backup and retention project from the Commitment Item for Computer Supplies.

CONSTRUCTION FUND BUDGET TOTAL: \$34,450,400 \$34,450,400 \$0

December 2016 (BF-21)


 Department Head (Recommended)
 CA O'Connor


 Budget Officer (Reviewed)


 Executive Director (Approved)

12/7/16
 Date

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METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO
 CHANGES TO THE ADOPTED 2017 BUDGET RECOMMENDATIONS

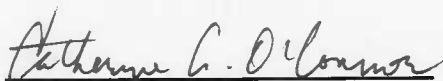
Fund: 401 Department Number: 50000 Fund Name: Capital Improvements Bond

THE FOLLOWING CHANGES ARE RECOMMENDED:

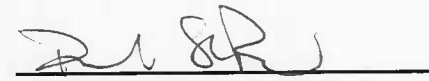
<i>Budget</i>		<i>Code</i>	<i>Position Title or Line Item Name</i>	<i>FROM</i>		<i>TO</i>		<i>Plus/(Minus)</i>		<i>Explanation</i>
<i>Tentative Page</i>	<i>ED Rec. Page</i>			<i>No.</i>	<i>\$ Amount</i>	<i>No.</i>	<i>\$ Amount</i>	<i>No.</i>	<i>\$ Amount</i>	
62	462	612430	Payments for Professional Services		\$1,200,000		\$1,700,000		\$500,000	Increase is due to the addition of projects for enhancements to the internet-based Publicly owned treatment works Administration and Compliance System (\$200,000) and enhancements to the Laboratory Information Management System (LIMS) including integrating the Organic Compound Analytical Laboratory into LIMS (\$300,000).

CAPITAL IMPROVEMENTS BOND FUND BUDGET TOTAL: \$354,125,600 \$354,625,600 \$500,000

December 2016 (BF-21)


 Department Head (Recommended)


 Budget Officer (Reviewed)


 Executive Director (Approved)

12/7/16
 Date

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**METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO
CHANGES TO THE ADOPTED 2017 BUDGET RECOMMENDATIONS**

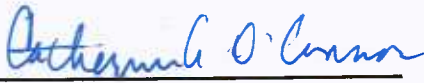
Fund: 501 Department Number: 50000 Fund Name: Stormwater Management

THE FOLLOWING CHANGES ARE RECOMMENDED:

<i>Budget</i>										
<i>Tentative</i>	<i>ED Rec.</i>		<i>Position Title</i>		<i>FROM</i>		<i>TO</i>		<i>Plus/(Minus)</i>	
<i>Page</i>	<i>Page</i>	<i>Code</i>	<i>or Line Item Name</i>	<i>No.</i>	<i>\$ Amount</i>	<i>No.</i>	<i>\$ Amount</i>	<i>No.</i>	<i>\$ Amount</i>	
64	519	612400	Intergovernmental Agreements		\$13,312,500		\$12,845,500		(\$467,000)	Decrease is due to the deferral of 16-IGA-08, Crestwood Green Infrastructure (\$1,176,000), offset by the increase to the Phase II Intergovernmental Agreements (\$709,000).
64	519	612490	Contractual Services, N.O.C.		\$196,400		\$246,400		\$50,000	Increase is due to the addition of national certification with the Water Environment Federation and DC Water.
65	520	645690	Capital Projects, N.O.C.		\$400,000		\$1,620,000		\$1,220,000	Increase is due to the addition of 14-113-5F, Controls for Dearborn Homes.

STORMWATER MANAGEMENT FUND BUDGET TOTAL: \$44,997,100 \$45,800,100 \$803,000

December 2016 (BF-21)


Department Head (Recommended)


Budget Officer (Reviewed)


Executive Director (Approved)

12/7/16
Date

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APPROPRIATION ORDINANCE NUMBER O16-011
(CONTINUED)

THE METROPOLITAN WATER RECLAMATION DISTRICT RETIREMENT FUND

And an amount of Estimated Expenditures for the Purpose of the Metropolitan Water Reclamation District Retirement Fund of \$79,505,000.

Section 9. That the appropriation herein of the amounts for the payment of “unpaid bills” or “contractual liabilities,” or to defray the expense of any project or purpose, shall not be construed as an approval or an admission of liability by the Board of Commissioners of any said bills or contractual liabilities, or of any project or purpose mentioned herein but shall be regarded only as the provision of a fund or funds, for the payment thereof when

said bills or contractual liabilities have been found to be valid and legal obligations against the Metropolitan Water Reclamation District of Greater Chicago and when properly vouchered and audited by the Department of Finance, or when any project or purpose is approved and authorized by the Board of Commissioners of the Metropolitan Water Reclamation District of Greater Chicago, as the case may be.

Section 10. This ordinance shall take effect January 1, 2017.

Approved as to Form and Legality:

Approved:

Head Assistant Attorney

*President,
Board of Commissioners of the
Metropolitan Water Reclamation District
of Greater Chicago*

General Counsel