2020 Budget

Metropolitan Water Reclamation District of Greater Chicago

Maintenance & Operations

Executive Director's Budget Recommendations

John P. Murray, Director of Maintenance & Operations

1

2020 Budget

Maintenance & Operations - All Divisions

	Appropriations	Positions
2020	$202,589,800	916
2019	196,592,300	920
Change	$5,997,500	(4)
	3.1%	

(Including BF-19 Changes)

Note: An additional 27 operational positions are funded by the Stormwater Management Fund for 2020.

2

2

2019 Accomplishments

- Six of seven WRPs, including Egan for the first time, received NACWA Platinum Awards
- 27 consecutive years of 100 percent compliance for the Calumet WRP

3

3

2019 Accomplishments

Primary sludge line break at the Egan WRP

4

4

2019 Accomplishments

Final settling tanks at the Stickney WRP

- District infrastructure is used on a continuous basis, under harsh conditions. Ongoing preventative and corrective maintenance is critical.

5

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2019 Accomplishments

Modernized and updated aging infrastructure: debris baskets at the Kirie WRP

6

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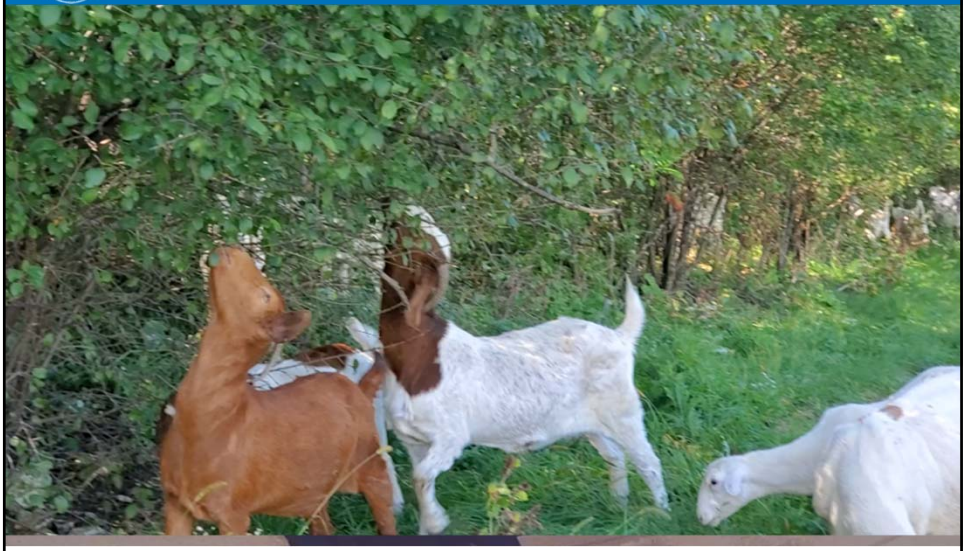
2019 Accomplishments



Pilot program to naturally control vegetation at the Lemont WRP

7

7

2019 Accomplishments

The same field after two weeks

8

8

2019 Accomplishments

- $1.5 million earned in 2019 by the M&O Energy Group through curtailment and pursuing credits from our energy providers.

9

9

2019 Accomplishments

Modernized and updated aging infrastructure

10

10

2020 Initiatives

The Distributed Control System

- M&O plans for the technological upgrades necessary to optimize work distribution processes and workflow

11

11

2020 Initiatives

- Issue an RFP for marketing and developing biosolids

12

12

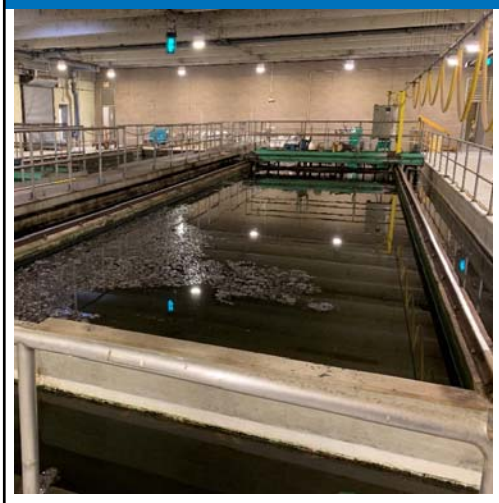
2020 Initiatives

- Rehabilitate the centrifuges at the Stickney WRP
- Work will be performed using a combination of insourcing and outsourcing

13

13

2020 Initiatives



Original rapid sand filter tank at the Hanover Park WRP

Disc filters are more compact and optimize energy intensive processes

14

14

2020 Budget

- Changing weather
- Additional processes
- Regulatory requirements

Impacts on:

- Pumping (electrical energy)
- Treatment (chemicals)
- Solids Utilization (inputs vs. outputs, storage capacity)

15

15

2020 Budget

Construction Fund

16

2020 Budget

Construction Fund

	Appropriations
2020	$17,044,400
2019	18,340,300
Change	$(1,295,900)
	(7.1)%

(Including BF-19 Changes)

17

17

2019 Accomplishments

Modernized and updated aging infrastructure

Original fine screen

In-house trades

New fine screen

18

18

2019 Accomplishments

Operate assets at peak efficiency:
Ultraviolet disinfection building, O'Brien WRP

19

19

2019 Accomplishments

Operate assets at peak efficiency: Raw sewage pump, Kirie WRP

20

20

2020 Initiatives

Planned projects, District-wide

- Electric motor rehabilitation, Stickney WRP
- Screw conveyor installations, Egan and Calumet WRPs
- Effluent pipe liner installation, Hanover Park WRP
- Railroad track improvements, Stickney Service Area
- Automatic transfer switch installations, Lemont WRP

21

21

2020 Budget

Metropolitan Water Reclamation District of Greater Chicago

Engineering

Executive Director's Budget Recommendations

Catherine A. O'Connor, Director of Engineering

22

2020 Budget

Engineering - Corporate Fund

	Appropriations	Positions
2020	$25,452,900	205
2019	25,941,200	212
Change	$(488,300)	(7)
	(1.9)%	

Note: An additional 64 operational positions are funded by the Stormwater Management Fund for 2020.

23

23

2019 Accomplishments

- Process Facilities Design Division completed:
  - Odor Control Facilities at SWRP ($15 M)
  - Digester Rehab & Gas Piping Replacement ($15 M)
  - Digester Sludge Heating System Upgrades ($28.5 M)
  - Mainstream Pump Nos. 1, 3, 5 Rehab ($20.5 M)
- Infrastructure Division, Collection Facilities Design:
  - Northside Sludge Line Replacement, Section 1($15.6 M)
  - Upper Des Plaines 14B Rehab ($7 M)
  - Drop Shaft 5 Inspection & Rehab ($4 M)
  - Reviewed approximately 50K underground construction notices to protect District infrastructure
- Construction Division:
  - Under construction: 20 Contracts, total ~$330 M

24

24

2020 Initiatives

- Rehabilitate Stickney and Calumet anaerobic digesters
- Complete contracts supporting enhanced biological phosphorus removal
- Review contract language, requirements:

Year	Number of Contracts	Bidders Notified	Number of Planholders	Number of Responsible Bids
2017 CIP	11	639 – 1,586	11 – 115	1 – 8, average 3.4
2018 CIP	14	525 – 1,754	11 – 145	1 – 4, average 3.0
2019 CIP	10	528 – 1,316	25 – 145	1 – 4, average 2.2

25

25

2020 Budget

Capital Improvements Bond Fund

26

2020 Budget

Capital Improvements Bond Fund

	Appropriations
2020	$214,406,500
2019	378,173,800
Change	$(163,767,300)
	(43.3)%

(Including BF-19 Changes)

27

27

2019 Accomplishments

- Completed D799 Switchgear Replacement at SWRP
- Completed McCook Reservoir Stage 2 Slope & Retaining Wall Stabilization
- Completed Installation of Baffle Plates in Final Settling Tanks

28

28

2020 Initiatives

- Rehabilitation of Pump & Blower House, O'Brien ($10 M)
- Central Boiler & Electrical Upgrades, Hanover Park ($14 M)

29

29

2020 Budget

Stormwater Management Fund

30

2020 Budget

Stormwater Management Fund

	Appropriations	Positions
2020	$116,258,000	91
2019	91,410,100	85
Change	$24,847,900	6
	27.2%	

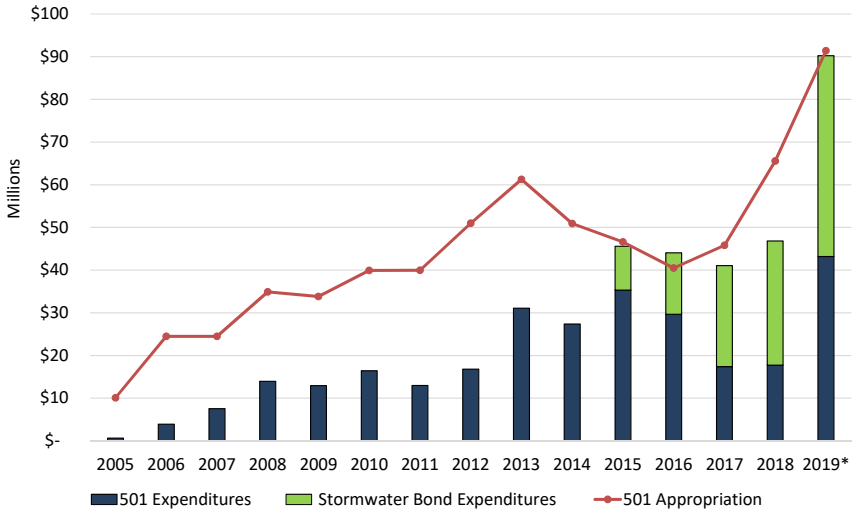
(Including BF-19 Changes)

31

31

2020 Budget

Stormwater Program Historical Expenditures



*2019 Estimated Expenditures

32

32

2019 Accomplishments

- Authorized Intergovernmental Agreements (IGAs) for 20 new Green Infrastructure (GI) projects
- Entered into 25 IGAs for Local Stormwater and GI Partnership projects with a total cost of $15 M
- Amended the Watershed Management Ordinance:
  - Adopt watershed specific release rates
  - Update requirements for redevelopment
  - Incorporate recently updated rainfall data
- Permit Statistics (2019 Projected)
  - Under construction – 546
  - Permits issued – 547
  - Permit determinations – 285

33

33

2019 Accomplishments

- Completed Buffalo Creek Reservoir Expansion project and Arrowhead Lake Dam-Navajo Creek Flood Control project

34

34

2020 Initiatives

- Continue Addison Creek Reservoir construction and award Addison Creek Channel Improvements project

Reservoir excavation along Addison Creek

Channel improvements will reduce overbank flooding conditions such as the one shown above

35

35

2020 Budget

Metropolitan Water Reclamation District of Greater Chicago

Monitoring & Research

Executive Director's Budget Recommendations

Edward W. Podczerwinski, Director of Monitoring & Research

36

2020 Budget

Monitoring & Research

	Appropriations	Positions
2020	$31,546,700	294
2019	31,548,300	300
Change	$(1,600)	(6)
	-%	

(Including BF-19 Changes)

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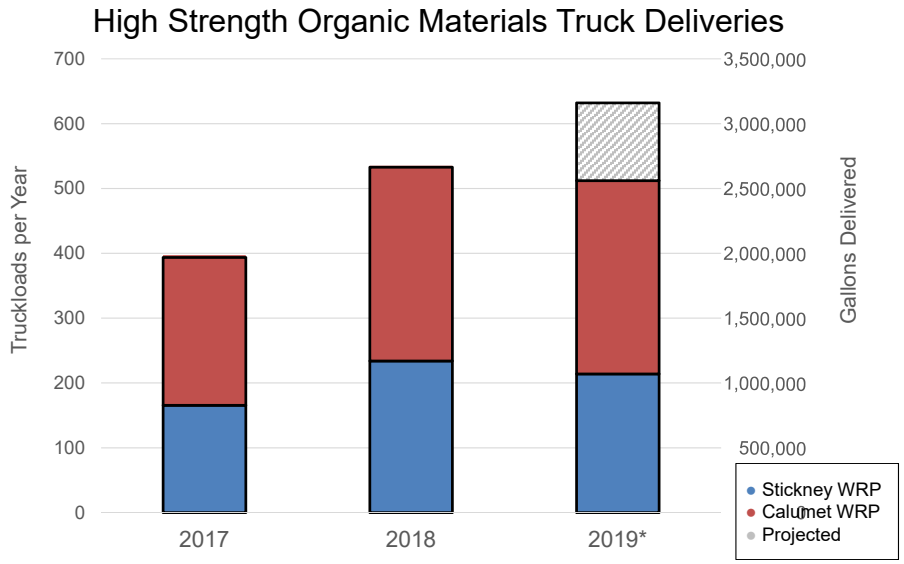
2019 Accomplishments

RESOURCE RECOVERY



*As of October 23, 2019

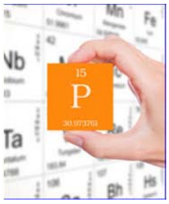
38

38

2019 Accomplishments

- Monitored and analyzed odors at various District locations
  - Biosolids processing areas
  - Thornton & McCook Reservoir
  - Collateral Channel

- Completed the phosphorus removal feasibility studies for the Calumet, Stickney, and O'Brien Water Reclamation Plants



- Completed the Egan WRP Biosolids Planning Study

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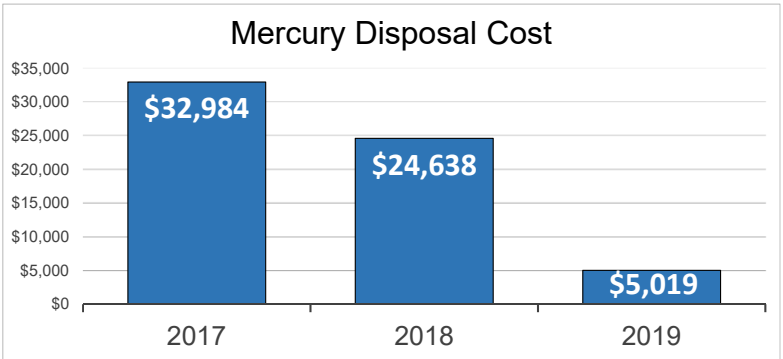
2019 Accomplishments

- Eliminated the use of Mercuric Sulfate by substitution with Copper Sulfate in the Total Phosphorus analysis
  - Drastically reduced disposal costs for Mercury



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2019 Accomplishments

- A new Total Organic Carbon (TOC) combustion instrument was placed online to conduct a year-long study in 2019 to prove the correlation of Biological Oxygen Demand (BOD) / TOC results
  - Faster data reporting: Maintenance & Operations Department will have same day results (vs. 5 days) for use in WRP operations
  - Green analysis - elimination of mercury reagent

TOC is allowed for permit compliance as long as a correlation to BOD has been established (Clean Water Act 40 CFR part 133.104)

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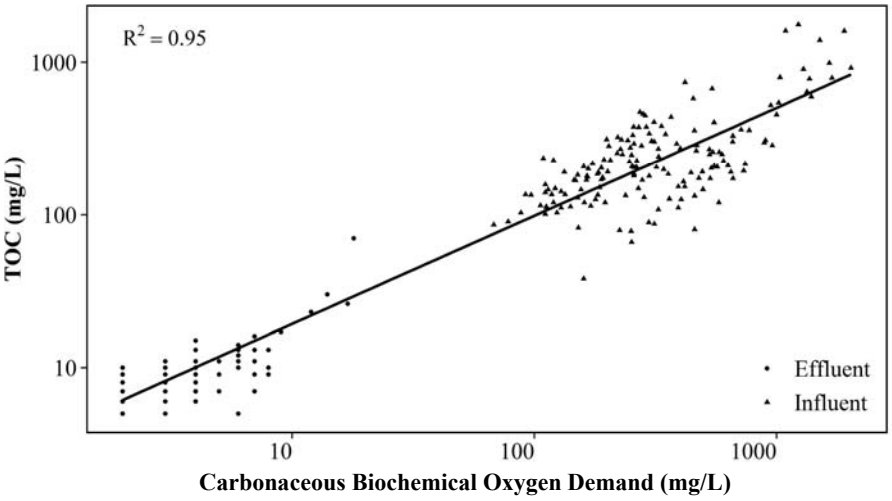
2019 Accomplishments

Stickney Data Summary-Log Model
January – September 2019 TOC ~ CBOD



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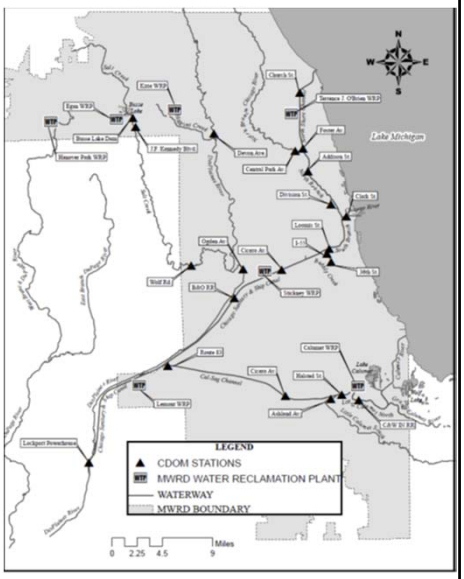
2019 Accomplishments

- Upgraded monitoring systems for efficiency
  - Installed telemetry and implemented data analytics software for the Continuous Dissolved Oxygen Monitoring (CDOM) Program
  - Installed new Hydrogen Sulfide sensors that can detect concentration at level of parts per billion with telemetry features



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43

2019 Accomplishments

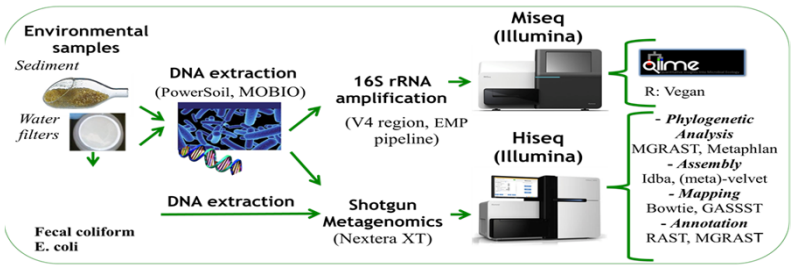
- Completed regulatory required and other environmental monitoring
  - 29 Ambient Water Quality Monitoring stations monthly
  - 21 CDOM continuously
  - 16 locations for fish
  - 4 TARP deep tunnel systems and 3 reservoirs with 11 reports to IEPA
  - 4 biosolids processing sites with 12 reports to IEPA
  - Over 1,250 samples for bacteria and pathogens

44

44

2019 Accomplishments

- Seven-year collaborative research project with Argonne National Laboratory to use microbial source tracking tools, methodologies, and assessments for the reaches of the CAWS that have been designated for Primary Contact Recreation Use
  - Field sampling complete
  - Final project report in 2020



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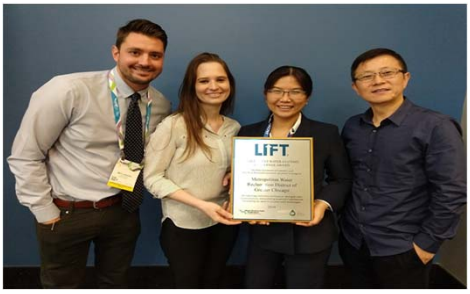
2019 Accomplishments

- Second Place at the Intelligent Water Systems (IWS) Challenge at Water Environment Federation's Technical Exhibition Conference, for the Second Year



Members of the Winning IWS Challenge Team:
Matthew Jurjovec (M&O), Thaís Bremm Pluth (M&R), Fenghua Yang (M&R), Yongning Tang (Illinois State University)

Winning project: Develop Advanced Models to Predict and Optimize Chemical Dosage for Odor and Corrosion Control at James C. Kirie WRP

46

46

2020 Initiatives

- Stickney WRP Odor Modeling and Preliminary Treatment Odor Control Conceptual Design
- Complete Hanover Park WRP Biosolids Planning Study
- Complete the Ammonia-Based Aeration Control System for energy savings at Hanover Park WRP
- Complete the Climate Action Plan and Sustainability and Resiliency Plans
- Application to use the TOC calculated BOD values for reporting NPDES permit data when the study data is approved by the IEPA
  - Study correlation to substitute BOD with TOC ordinance limits

47

47

2020 Initiatives

- Replace the existing Laboratory Information Management System (LIMS) with a new state-of-the-art LIMS to eliminate custom coding and improve functionality
  - Project completion is planned for 2021
- Development of software to allow for electronic reporting under the Cross Media Electronic Reporting Rule
  - Reduces paper
  - Streamlines workflows
  - Allows for electronic compliance reporting and payments

48

48

2020 Initiatives

- Begin CAWS Phosphorus Assessment and Reduction Plan Study in collaboration with NGO's and IEPA per NPDES requirements
- Test real time monitoring of CAWS water quality and use data analytics software to manage continuous water quality data more efficiently

49

49

2020 Initiatives

- Conduct a workshop at Fulton County with agricultural partners to accelerate the transfer of best management practices to farmers

- Lead and partner in CAWS Chloride Work Group, DuPage River Salt Creek Workgroup, Lower Des Plaines Watershed Group, and River Ecology and Governance Task Force

50

50

2020 Budget

Metropolitan Water Reclamation District of Greater Chicago

Finance

Executive Director's Budget Recommendations

Jacqueline Torres, Clerk/Director of Finance

51

2020 Budget

Finance

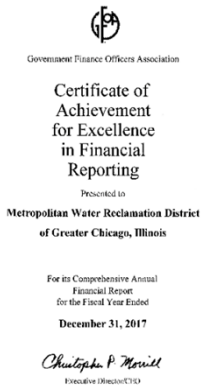
	Appropriations	Positions
2020	$3,834,400	27
2019	3,739,800	27
Change	$94,600	-
	2.5%	

52

52

2019 Accomplishments

- Received an unqualified opinion on the 2018 audited Comprehensive Annual Financial Report (CAFR)
- Received the Government Finance Officers Association Award for Excellence in Financial Reporting for the 44th consecutive year


Government Finance Officers Association

Certificate of Achievement for Excellence in Financial Reporting

Presented to

Metropolitan Water Reclamation District of Greater Chicago, Illinois

For its Comprehensive Annual Financial Report for the Fiscal Year Ended

December 31, 2017

Christopher P. Morrill

Executive Director/CEO

53

53

2019 Accomplishments

- Partnered with the Treasury Section to update the District's Enterprise Resource Planning (ERP) system to transition to electronic banking, lock box, and other bank services with a new provider
- Partnered with the Human Resources Department to build, test, and implement the new Employee Benefits portal
- Partnered with the Information Technology Department to transition the District's ERP system maintenance provider to test and implement the payroll tax engine

54

54

2020 Initiatives

- Increase compliance, efficiency, and accuracy with the implementation of a cloud-based travel and employee expense reimbursement solution
- Implement GASB 87, a new accounting standard for capitalizing leases

GASB GOVERNMENTAL ACCOUNTING STANDARDS BOARD

- Build, test, and install related GASB 87 accounting software
- Upgrade time and attendance system to the most up-to-date version to ensure the continuation of hosting and maintenance services

55

55

2020 Budget

Metropolitan Water Reclamation District of Greater Chicago

Law

Executive Director's Budget Recommendations

Susan T. Morakalis, General Counsel

56

2020 Budget

Law

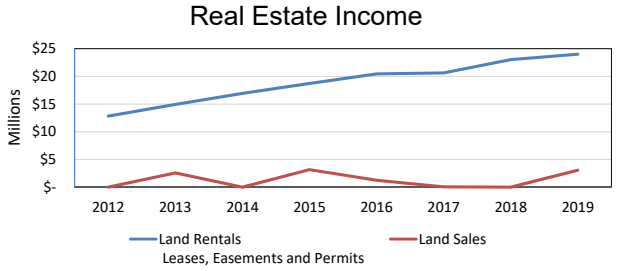
	Appropriations	Positions
2020	$7,234,100	38
2019	7,177,700	39
Change	$56,400	(1)
	0.8%	

57

57

2019 Accomplishments

- Assisted in the implementation of the Office of the Independent Inspector General
- Granted leave to appeal the ruling in the flooding case
- Obtained favorable rulings on several employment matters in U.S. District Court
- Increased real estate rental income to over $23 million



58

58

2019 Accomplishments

- Intergovernmental Agreements with local municipalities to assist in stormwater management efforts
- 400 parcels of land for regional stormwater projects
  - Addison Creek Reservoir
  - Addison Creek Channel Improvements
  - Lyons Levee
  - Plainfield Road Corridor Study
- Assisted the Engineering Department with the right-of-way acquisition for 9 different stormwater projects

59

59

2020 Initiatives

- Continue to increase real estate rental income
- Continue to ensure employees are attending professional development conferences and seminars and receiving the proper training to handle the vast array of the District's many complex legal matters
- Continue the District's leadership role in the Local Government Law Consortium
- Continue to facilitate public use of District lands, promote the use of green infrastructure, and adhere to best management practices on leasehold property

60

60

2020 Budget

Metropolitan Water Reclamation District of Greater Chicago

Procurement & Materials Management

Executive Director's Budget Recommendations

Darlene A. LoCascio, Director of Procurement & Materials Management

61

2020 Budget

Procurement & Materials Management

	Appropriations	Positions
2020	$9,884,700	63
2019	9,821,100	63
Change	$63,600	-
	0.6%	

(Including BF-19 Changes)

62

62

2019 Accomplishments and 2020 Initiatives

- Developed a Request for Proposal in 2019 to solicit bids for e-procurement software for the online submission of bids
  - This software will be implemented in 2020
- Developed a Request for Proposal in 2019 to solicit bids for an interactive vendor portal
  - The vendor portal will be active and accessible in 2020
- Will fulfill Green initiative in 2020 from implementation of e-procurement and vendor portal

63

63

2020 Budget

Metropolitan Water Reclamation District of Greater Chicago

General Administration

Executive Director's Budget Recommendations

Eileen M. McElligott, Administrative Services Officer
Regina D. Berry, Diversity Administrator
Allison Fore, Public and Intergovernmental Affairs Officer

64

2020 Budget

General Administration

	Appropriations	Positions
2020	$21,505,200	121
2019	18,713,800	119
Change	↑ $2,791,400	↑ 2
	14.9%	

(Including BF-19 Changes)

65

65

2020 Budget

Administrative Services

66

2019 Accomplishments

- 2019 Budget received the 35th consecutive GFOA Distinguished Budget Presentation Award
- Budget Office improved efficiency in the creation of the budget documents

GOVERNMENT FINANCE OFFICERS ASSOCIATION

Distinguished Budget Presentation Award

PRESENTED TO

Metropolitan Water Reclamation District of Chicago

Illinois

For the Fiscal Year Beginning

January 1, 2019

Christopher P. Morrill

Executive Director

67

67

2019 Accomplishments

- Drug collection and disposal program
  - 743 lbs. collected in 2018
  - 753 lbs. collected in 2019 YTD
- Continued partnership with the Cook County Sheriff's Office to collect and dispose of used medications County wide

68

68

2019 Accomplishments

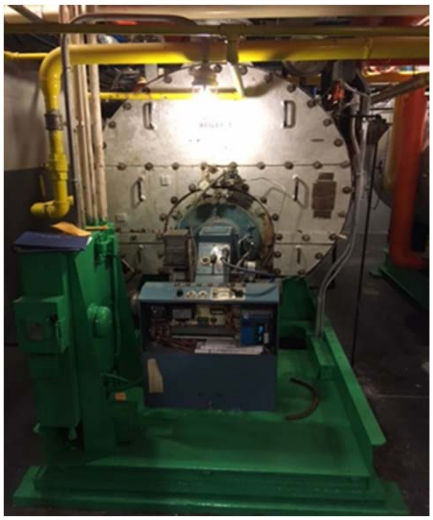
- Modernized and updated aging infrastructure
  - Completed modernization of the MOB elevators
  - Completed construction on a plenum fan stack
  - Completed replacement of washroom stalls & installation of low flow toilets at MOBA

69

69

2020 Initiatives

- 2020 MOBC Building Projects
  - Complete chiller replacement at MOBA
  - Complete paint and carpet replacement
  - Replace Boilers at MOB



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70

2020 Initiatives

- Overhaul in-plant fueling system
- Replace police Starcom radios
- Work with Cook County Sheriff's Office to expand the drug collection program

71

71

2020 Budget

Diversity

72

2019 Accomplishments

- Hosted two Minority/Women/Small Business Entity outreach events targeted towards professional service contractors and construction contractors

Events were attended by over 400 subcontractors, 70 prime contractors, other local government agencies, and assist agencies such as the AACA

73

73

2019 Accomplishments

- Collaborated with HR to provide District wide training on the Affirmative Action Policy and its procedural application to District contracts, which included presentations from M&O, Engineering, Law, Procurement, and Diversity
- Worked with IT on the Diversity portion of the District's website enhancement
- Participating with Law and Engineering in the formulation and monitoring of IGA's for goal setting and attainment
- Represented the District at more than 30 supplier diversity outreach events

74

74

2019 Accomplishments

- Members of the Government Procurement Committee (GPC) Forum represented on the transparency outreach and capacity subcommittee
- Represented the District at more than 30 supplier diversity outreach events
- Members of the Government Procurement Committee (GPC) Forum represented on the transparency outreach and capacity subcommittee
- Assisted with the investigation and development of the Attorney's General administrative settlement in accordance with the IL False Claims Act based on our enforcement of the Affirmative Action Appendix D

75

75

2019 Accomplishments

- Participate in industry leadership roles
  - Regina Berry has been re-elected to Board of Directors for the American Contract Compliance Association
  - ACCA is a national organization that provides training, standardization of legal protocols, diversity program best practices, networking, and support to the many affirmative action, contract compliance, equal employment, and human rights specialists across the country

76

76

2019 Accomplishments

- ACCA's comprehensive training program provides a unique opportunity to study among nationally recognized experts in their respective fields
- The program is carefully designed to focus on the critical issues challenging our profession
- ACCA provides Continuing Education Certification Units (CEUs) from Morgan State University for each certification level, which includes: Certified Compliance Administrator (CCA), Master Compliance Administrator (MCA), and Executive Certified Master Compliance Administrator (ECMCA)
- The Diversity staff currently includes: 4 CCA's, 1 MCA, and 2 ECMCA's

77

77

2019 Accomplishments

- Recipient of the Supplier Diversity Program Award from the African American Contractors Association and the Advocacy Award from HACIA (Hispanic American Construction Industry Association)

78

78

2019 Accomplishments

- Hosted the Annual African American History Celebration
  - Honored African American Trail Blazers
  - Honored the Lieutenant Governor Juliana Stratton

79

79

2019 Accomplishments

- The only government Affirmative Action Program invited to be a featured exhibitor at the Black Women's Expo

80

80

2020 Initiatives

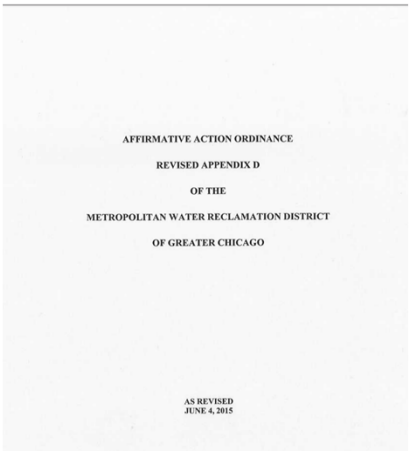
- Continue Veteran Business Enterprise Program
- Three percent VBE goals added to District contracts where feasible

81

81

2020 Initiatives

- Conduct Affirmative Action Disparity Study to evaluate the continuance of the Affirmative Action Program



AFFIRMATIVE ACTION ORDINANCE

REVISED APPENDIX D

OF THE

METROPOLITAN WATER RECLAMATION DISTRICT

OF GREATER CHICAGO

AS REVISED
JUNE 4, 2015

82

82

2020 Initiatives

- Increase the number of MBE, WBE, SBE and VBE vendors on the District's vendor list
- Host contract specific outreach events
- 2020 Disparity Study

83

83

2020 Budget

Public Affairs

84

2019 Accomplishments

Public Affairs by the numbers

Number of community events – 245
Number of people reached – 133,003
Number of facility tours – 182
Number of tour guests – 3,781
Number of trees distributed – 14,000
Number of Social Media followers – 12,370
Historical photo reach – 300,000
Number of photo/video shoots – 170

85

2019 Accomplishments

- 130th Anniversary Road Show

86

86

2019 Accomplishments

- **SPECIAL EVENTS:** Infrastructure Week, Open House Chicago, Sustainability Summit, A Celebration of STEM

87

2019 Accomplishments

- **Ribbon-cuttings and groundbreakings:** Addison Creek, Arrowhead Lake, LaGrange, Riverside, Tinley Park & Space to Grow

88

88

2019 Accomplishments

- Household Hazardous Waste Collection

Metropolitan Water Reclamation District of Greater Chicago

Press Release

For immediate release
May 15, 2019

1,500+ households participated in hazardous waste collection at Brookfield Zoo

Commissioner Frank Avila hands out literature

Commissioner Kimberly Du Buclet delivers a PSA to the HHW collection

More than 1,500 households delivered electronics, household cleaning products, antifreeze, weed killers and other types of hazardous waste products during a special collection held last month at the Brookfield Zoo. The Metropolitan Water Reclamation District of Greater Chicago (MWRD) partnered with the Illinois Environmental Protection Agency (IEPA) to sponsor the household hazardous waste (HHW) collection event.

"As a leader in protecting our environment, public health and water, the MWRD is happy to play a role in any recycling effort, especially with regards to household hazardous waste that can be properly disposed," said MWRD Commissioner Frank Avila.

Products that are toxic, flammable, or could cause a dangerous reaction when mixed with other chemicals or rat away at solid objects are household hazardous wastes. These products can pollute the environment and can make people sick if they are disposed of improperly. They should not be poured down the drain or into storm sewers. They also should not be thrown into the trash like regular garbage.

"Household hazardous waste poses a threat to air and water," said MWRD Commissioner Kimberly Du Buclet. "If not properly disposed, liquid contaminants can slip through our systems and eventually discharge into local waterways and threaten our environment."

If residents still have household hazardous waste but could not attend this event, the IEPA schedule for future collections in Illinois can be found at https://www2.illinois.gov/epa/topics/waste-management/waste-disposal/household-hazardous-waste/Pages/collection.aspx. A list of waste that will be accepted at these events can be found at https://www.chicago.gov/city/en/depts/cdph/provider/healthy_communities/exposure/household-chemicals---computer-recycling-facility-overview.html.

Residents are also able to visit the City of Chicago's Household Chemicals and Computer Recycling Facility at 1150 N. North Branch St. on Goose Island. It is open Tuesday from 7 a.m. to noon; Thursday from 2 p.m. to 7 p.m., and the first Saturday of each month from 8 a.m. - 3 p.m. More information is available by calling the city at (312) 744-3060.

Recovering Resources, Transforming Water

Established in 1889, the MWRD (www.mwrd.org) is an award winning, special purpose government agency responsible for wastewater treatment and stormwater management in Cook County, Illinois.

89

89

2019 Accomplishments

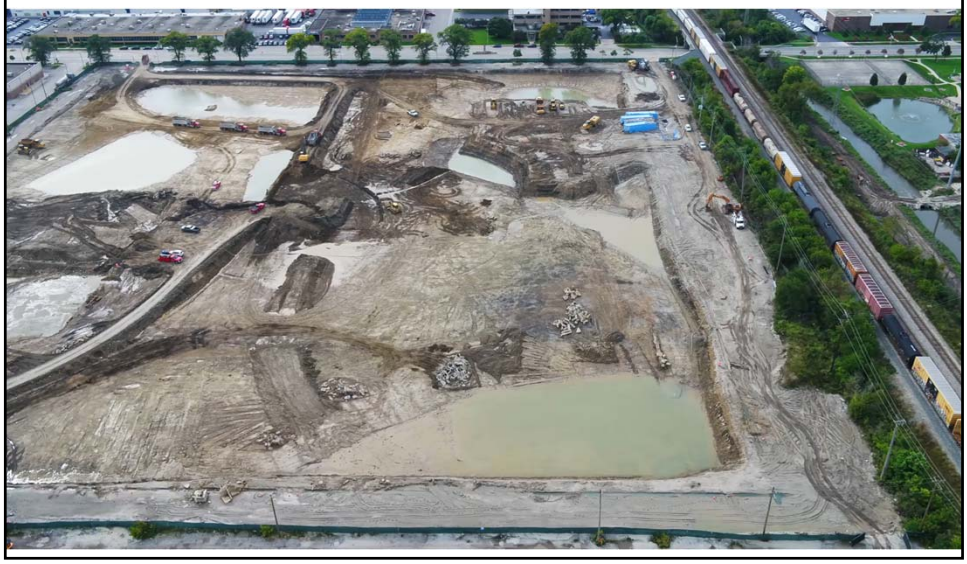
- Website – creating content

90

90

2019 Accomplishments

- Drone clips



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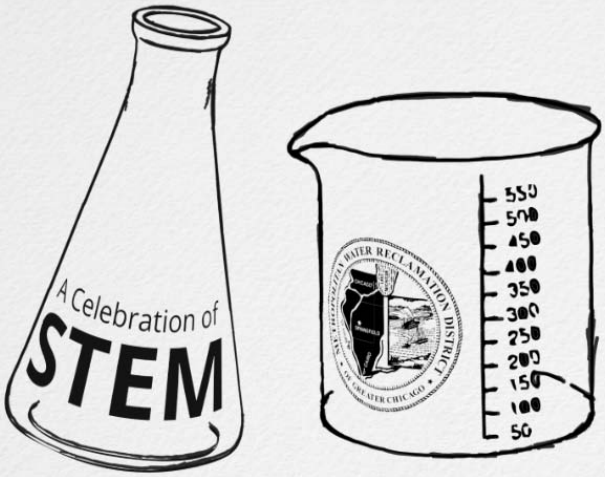
2019 Accomplishments



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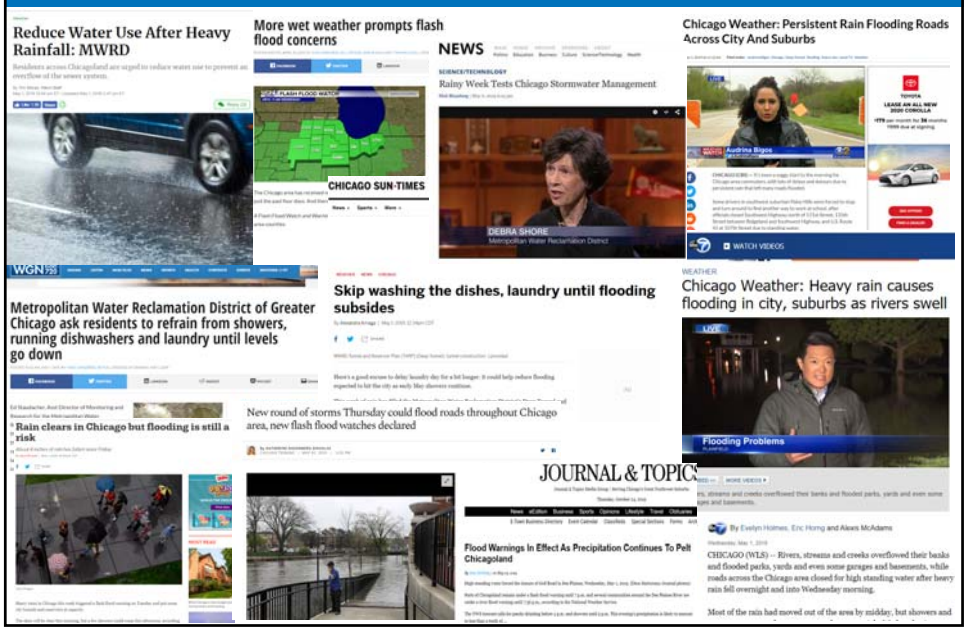
2019 Accomplishments: Promoting and documenting the District's success

93

2019 Accomplishments: Overflow Action



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2019 Accomplishments

- Worked to revitalize Cook County's urban forest by partnering with schools, community organizations and municipalities to distribute 14,000 saplings in 2019 and a total of 72,500 since 2016

95

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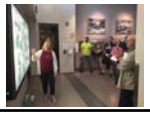
2019 Accomplishments

- Tours



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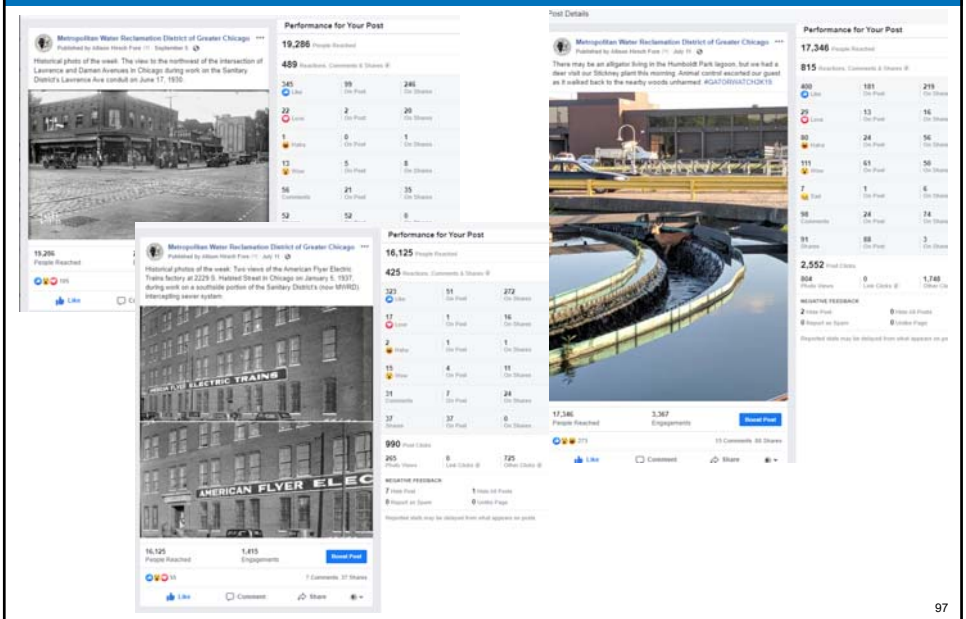
2019 Accomplishments: Social Media



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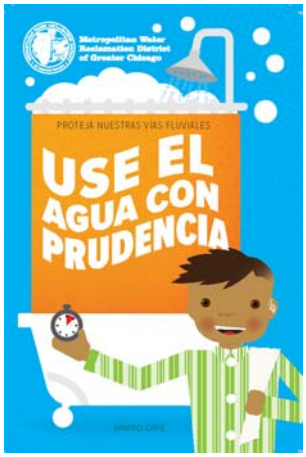
2019 Accomplishments

- New educational tools

98

2019 Accomplishments

- Translation of outreach materials



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2020 Initiatives

- Additional Road Show events will be held in 2020 countywide
- Increased tour opportunities will attract 5th and 6th graders
- Countywide educational outreach will focus on the new children's outreach materials
- Additional public service announcements and videos to educate the public about the District and our work to treat wastewater, recover resources, transform water, minimize flooding will be prioritized

100

100

2020 Budget

Metropolitan Water Reclamation District of Greater Chicago

Information Technology

Executive Director's Budget Recommendations

John H. Sudduth, Director of Information Technology

101

2020 Budget

Information Technology

	Appropriations	Positions
2020	$18,353,500	70
2019	18,592,700	71
Change	$(239,200)	(1)
	(1.3) %	

(Including BF-19 Changes)

102

102

2019 Accomplishments

- Continued improvement on the District's cyber security posture
  - Added additional email filtering capabilities in efforts to reduce spam and Spear Phishing attacks
  - Enhanced cyber security awareness program
  - Added mandatory end-user training (online)
  - Implemented internal phishing capability

103

103

2019 Accomplishments

- Data Center relocation
- Windows 10 upgrade (1,500 computers completed year-to-date)
- Network speed upgrades (cellular/wireless)
  - LASMA
  - Lemont
  - Lockport
  - Fulton County
  - Mainstream
- Implemented a modern web content management system that streamlines storing and delivering web content (e.g., images, videos, department pages, etc.)

104

104

2020 Initiatives

- Replace the antiquated communication lines with cellular technology
- Develop new application for issuing permits
- Improve customer service via the Information Technology Service Management System

105

105

2020 Budget

Metropolitan Water Reclamation District of Greater Chicago

Human Resources

Executive Director's Budget Recommendations

Beverly K. Sanders, Director of Human Resources

106

2020 Budget

Human Resources

	Appropriations	Positions
2020	$61,329,200	92
2019	60,229,600	93
Change	$1,099,600	(1)
	1.8%	

(Including BF-19 Changes)

107

107

2019 Accomplishments

- Employee Benefits platform implementation
- JobAps continued implementation
- Safety Initiatives
  - Trained on revised Hot Work Permit Program, Hazard Communications, and Lockout/Tagout Program
- Emergency Plans
  - Revised to include increased guidance on pandemic risk
  - Successfully tested in two tabletop exercises

108

108

2020 Initiatives

- Safety Program assessment
- Compensation and Benefits Study
- Performance Management Software implementation
- Internship Program Goals
  - Increase visibility by transitioning to JobAps
  - Increase diversity
- Negotiate successful collective bargaining agreements

109

109

2020 Budget

Metropolitan Water Reclamation District of Greater Chicago

Board of Commissioners

Executive Director's Budget Recommendations

John Joiner, Administrative Aide to President
Mary Ann Boyle, Treasurer

110

2020 Budget

Board of Commissioners

	Appropriations	Positions
2020	$5,242,200	36
2019	5,256,000	38
Change	$(13,800)	(2)
	(0.3)%	

111

111

2019 Accomplishments

- Board of Commissioners entered into an Intergovernmental Agreement with Cook County, hiring the Office of the Independent Inspector General to provide services to the District for the first time in agency history. Their role is to detect and prevent waste, fraud, and abuse and thereby build trust in government.
- The District's banking and investment custody fees were reduced as the result of an RFP seeking banking and investment custody services for the next five years. Treasury and Finance completed a seamless transition of services during October.
- Investment interest income earned for the year was approximately $18.2 million reflecting higher yields on interest-bearing investments due to four interest rate increases by the Federal Reserve in 2018
- The District was again presented with the Government Finance Officers Association Certificate of Achievement for Excellence in Financial Reporting for the Retiree Health Care Trust Comprehensive Annual Financial Report

112

112

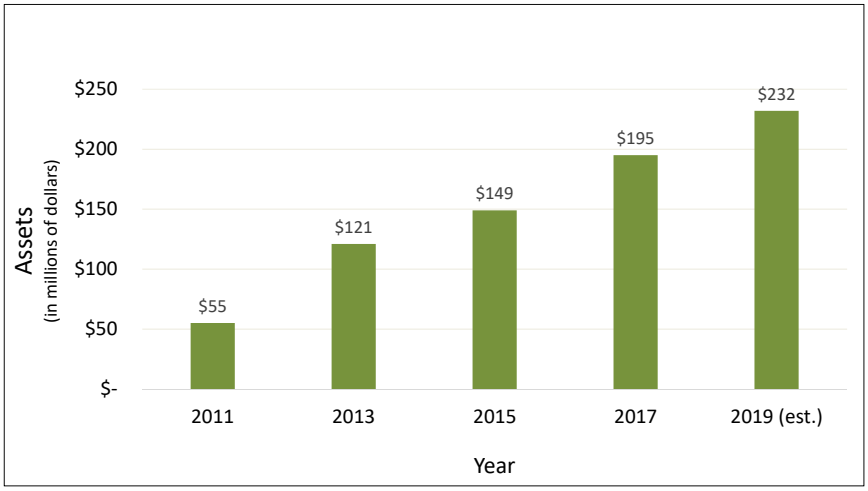
2020 Initiatives

- The Board of Commissioners and staff will embark on a new five-year strategic plan initiative
- Maintain the District's high credit ratings
- Secure funding for the District's capital plan by completing a 2020 bond sale while continuing to fully utilize Illinois Environmental Protection Agency State Revolving Fund low interest rate loans

113

113

OPEB Trust Fund Net Assets



114

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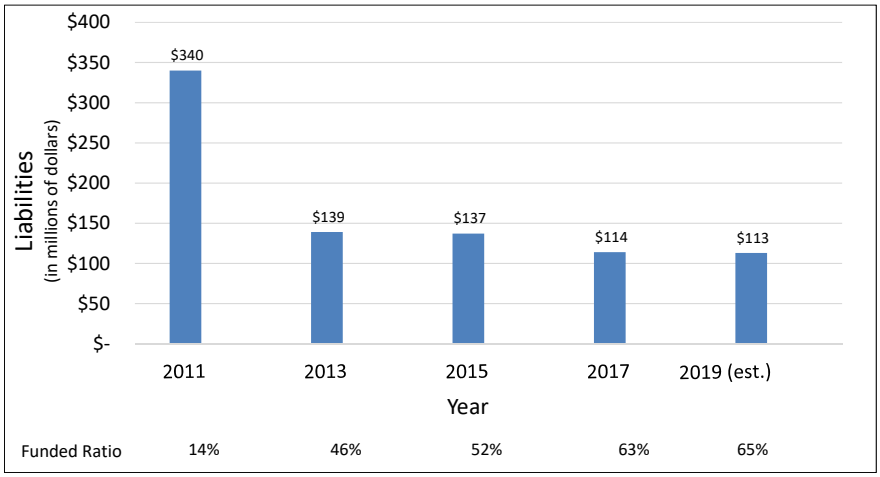
OPEB Unfunded Liability



(1) Actuarial valuations are biennial. The most recent actuarial valuation was as of December 31, 2017. The next valuation date is as of December 31, 2019.
(2) Decrease in 2013 was due to significant advance funding contributions along with investment returns that outperformed the plan's assumed rate of return.

115

115

2020 Budget

Metropolitan Water Reclamation District of Greater Chicago

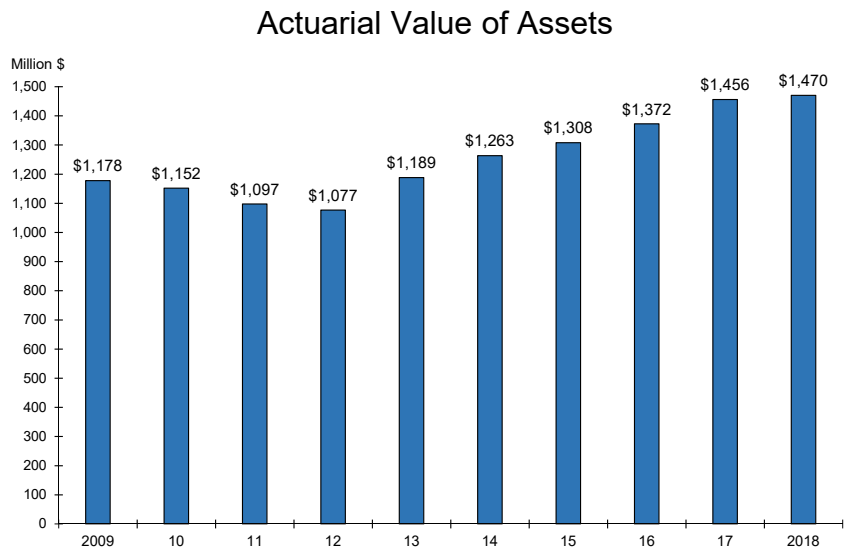
Retirement Fund

Executive Director's Budget Recommendations

James E. Mohler
Executive Director, Metropolitan Water Reclamation District Retirement Fund

116

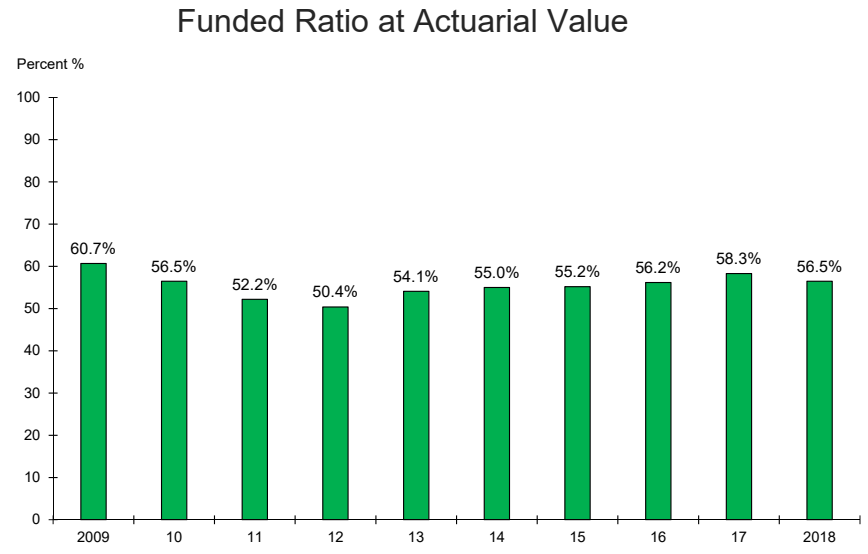
Actuarial Value of Assets



117

117

Funded Ratio



118

118

District Retirement Obligations

As of December 31, 2018	
Actuarial Value of Assets	$1.47 billion
Total Actuarial Liability	$2.60 billion
Funded Ratio	56.5%
2019 Actuarially Determined Contribution	$74.3 million
2019 Expected Employer Contribution	$87.3 million