



2021 Budget

Metropolitan Water Reclamation District of Greater Chicago

Maintenance & Operations



Executive Director's Budget Recommendations

John P. Murray, Director of Maintenance & Operations



2021 Budget

Maintenance & Operations - All Divisions

	Appropriations	Positions
2021	\$210,478,600	906
2020	204,414,600	916
Change	 \$6,064,000	 (10)
	3.0%	

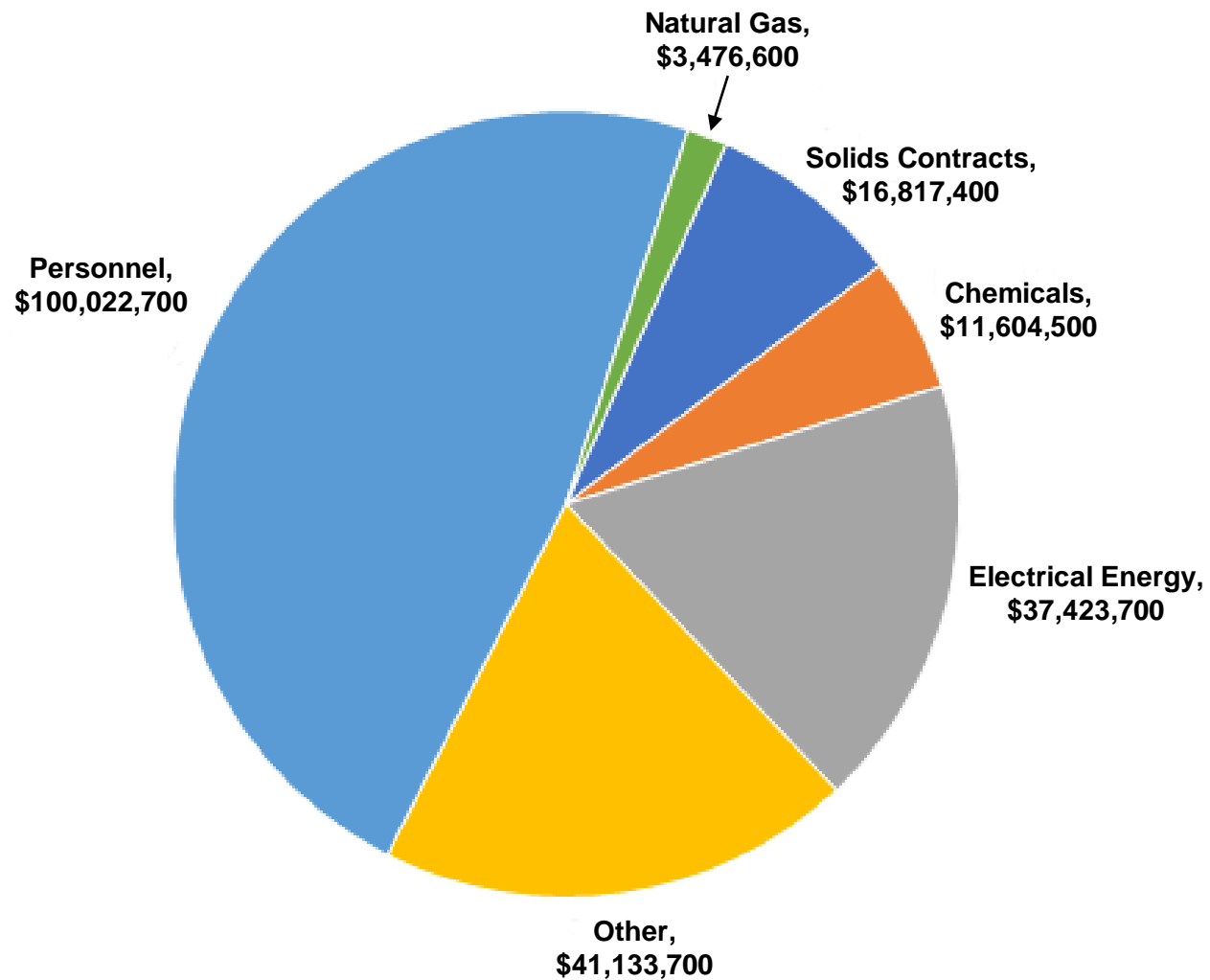
(Including BF-19 Changes)

Note: An additional 27 operational positions are funded by the Stormwater Management Fund for 2021.



2021 Budget

2021 Appropriations by Major Line Item





2020 Accomplishments

Maintenance and Operations



- Six WRPs received NACWA Platinum Awards
- 28 consecutive years of 100 percent compliance for the Calumet WRP



2020 Accomplishments



Maintained operations during the wettest May on record amid a global pandemic



2020 Accomplishments

Discharge Valve Actuator Replacement on Raw Sewage Pump #6, O'Brien WRP





2020 Accomplishments

Repair Coarse Screen #3, Egan WRP





2020 Accomplishments

Repair Coarse Screen #3, Egan WRP





2020 Accomplishments

Repair Coarse Screen #3, Egan WRP





2020 Accomplishments

Repair Coarse Screen #3, Egan WRP





2020 Accomplishments

Repair Coarse Screen #3, Egan WRP





2020 Accomplishments



Biosolids Program

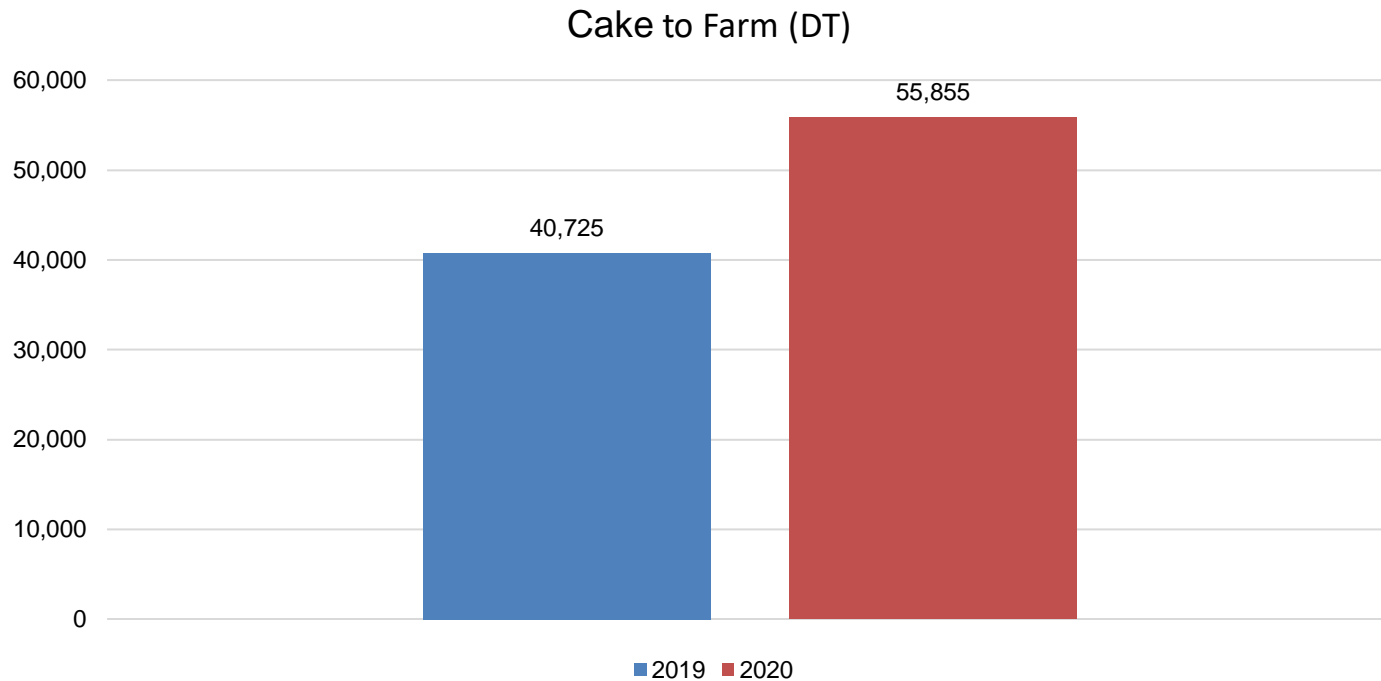


2020 Accomplishments

- All Metrics of Biosolids Management Improved
 - Centrifuge Cake to Farm
 - Exceptional Quality (EQ) Compost
 - Air Dried Exceptional Quality (EQ) Solids
 - Available Lagoon Storage Capacity



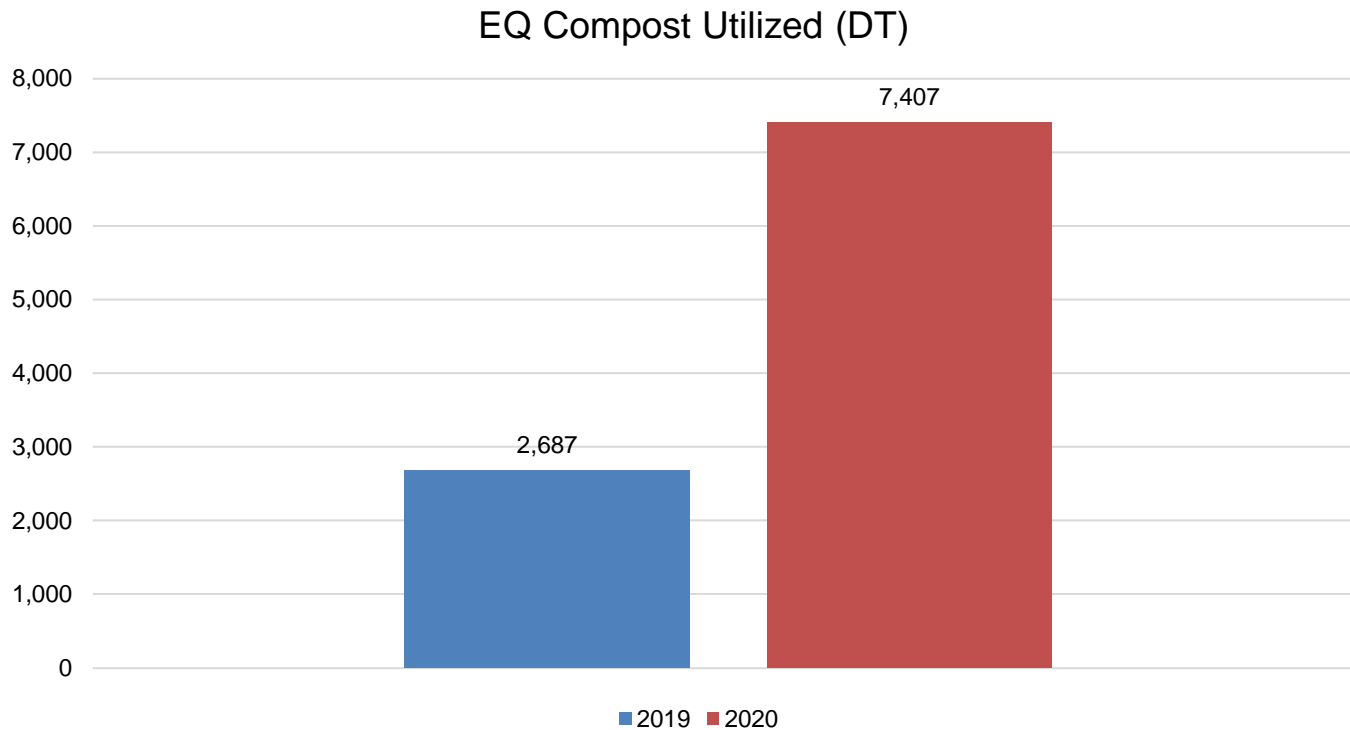
2020 Accomplishments



Centrifuge cake to farm shipments increased by 37%



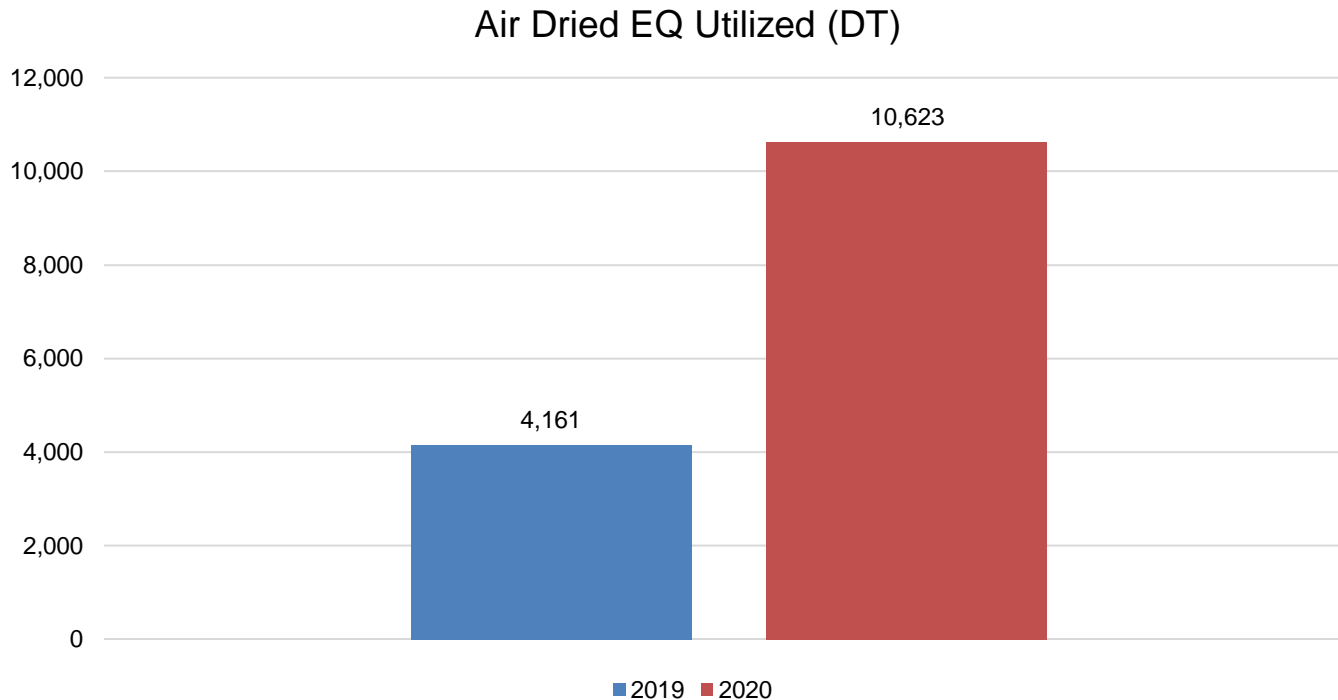
2020 Accomplishments



Exceptional Quality Compost Distribution increased by 176%



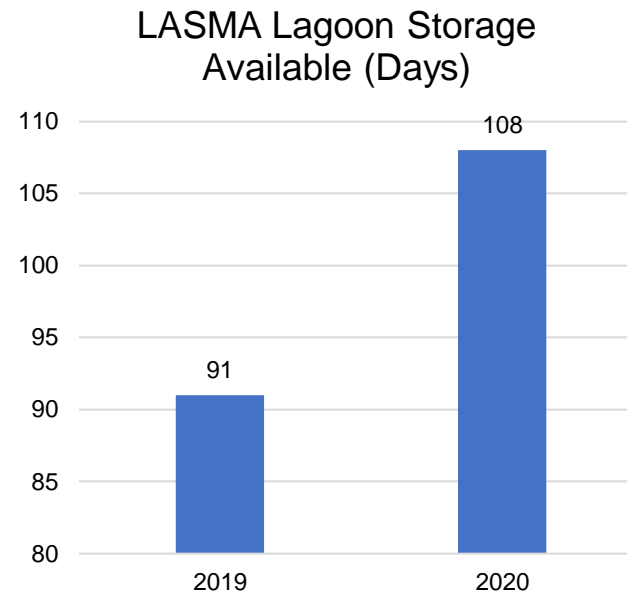
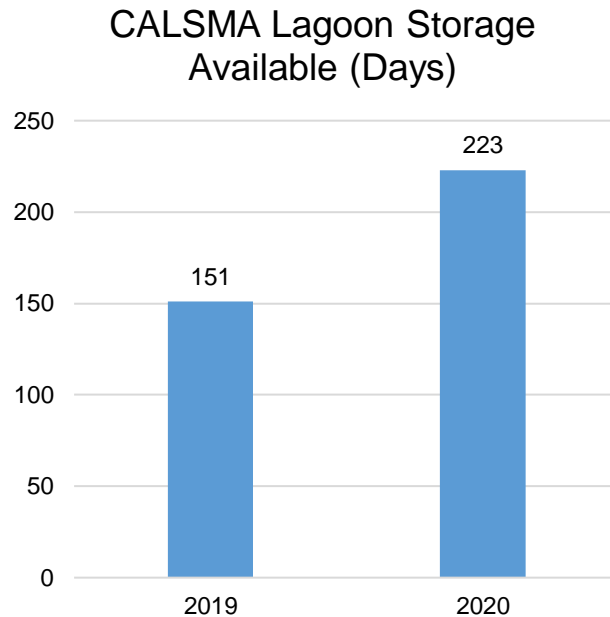
2020 Accomplishments



Exceptional Quality Air Dried Distribution increased by 155%



2020 Accomplishments



Lagoon Storage at CALSMA improved by 48%

Lagoon Storage at LASMA improved by 19%



2021 Initiatives

Biosolids Program: We are positioned to optimize results

- Continue to develop partnerships
- Continue the “Bring Your Own Buckets” program for residents to pick up free compost at our seven MWRD water reclamation plants



2021 Initiatives

Maintenance



Rehabilitate rotating assemblies at the Stickney and O'Brien WRPs and the North Branch Pumping Station



2021 Initiatives

Invest in Technology: Distributed Control Systems






2021 Budget

Construction Fund



2021 Budget

Construction Fund

Appropriations	
2021	\$14,103,200
2020	18,044,400
Change	 \$(3,941,200)
(21.8)%	



2020 Accomplishments

Update Aging Infrastructure



Restored the roof at the historic Lockport Powerhouse



2020 Accomplishments

Committed to a safe working environment



Asbestos abatement at the Stickney WRP's Pump and Blower Building



2020 Accomplishments

Operate assets at peak efficiency



Rehabilitate main sewage pump motor #2 at the Stickney WRP



2021 Initiatives

Update Aging Infrastructure



Rehabilitate the MWRD's railroad system, which is used to convey biosolids



2021 Initiatives

Committed to a Strong Asset Management Program



- Rehabilitate raw sewage pump motor #1 at the O'Brien WRP
- Install air compressors at the Calumet TARP and Stickney WRP
- Install automatic transfer switches at the Lemont WRP



2021 Budget

Metropolitan Water Reclamation District of Greater Chicago

Engineering



Executive Director's Budget Recommendations

Catherine A. O'Connor, Director of Engineering



2021 Budget

Engineering - Corporate Fund

	Appropriations	Positions
2021	\$25,925,600	199
2020	25,911,100	205
Change	 \$14,500	 (6)
	0.1%	

Note: An additional 69 operational positions are funded by the Stormwater Management Fund for 2021.



2020 Accomplishments

- Successful transition to remote working
 - Design, Post-award, Drafting, Utility Location
- Designs awarded
 - Digester Sludge Heating, CWRP, \$25.5M
 - Sidestream EBPR, CWRP, \$1.9M
 - Installation of Mechanical Mixers, SWRP, \$12.4M
 - NS Sludge Line Replacement, \$16.3M
 - Access Shaft Rehab, MSPS, \$2.3M
 - Central Boiler Facility, HPWRP, \$14.0M
 - Rehab Pumps 1, 3, 5, MSPS, \$20.5M



2020 Accomplishments

Summary of Local Sewer Systems Section Activity

	3/16/19- 10/26/19	3/16/20- 10/26/20
WMO Permit applications received	294	187
WMO Permit applications issued	258	220
Initial permit review time in days	12	14
Permit Determination letters issued	162	144
Permit Information requests issued	403	388
Permit revisions approved	46	33
Field inspections performed	3368	2582



2021 Initiatives

- Pursue SRF, WIFIA, and Grant Funding
- Televiser, Inspect, Repair Underground Infrastructure
- Adjust to handle rising volume of Chicago 811, JULIE, and OUC reviews
- Continue to pilot Stormwater trading
- Continue to work with Communities on I/I reduction



2021 Budget


Capital Improvements Bond Fund





2021 Budget

Capital Improvements Bond Fund

Appropriations	
2021	\$245,659,200
2020	244,547,400
Change	 \$1,111,800
0.5%	

(Including BF-19 Changes)



2020 Accomplishments

- Switchgear & Motor Control Center Replacement, OWRP, \$3.6M
- Calumet Intercepting 19F Rehabilitation, \$14.4M
- Continue Digester Rehab & Gas Piping Replacement, SWRP, \$13.7M
- Continue Des Plaines Inflow Tunnel, \$107.9M
- Continue Odor Control Facilities, SWRP, \$16.5M
- Continue Odor Control Facilities, CWRP, HPWRP, KWRP, \$4.2M



2021 Initiatives

- Rehab Interceptors UDP 14B (\$13.0M), NS1 (\$22.7M)
- Construct Pump Station Relief Sewers (\$7.5M)
- Combined Heat & Power, EWRP (\$2.0M)
- McCook Rock Wall Stab., Instrumentation (\$17.3M)
- A/B C/D Service Tunnel Rehab, Phase III, SWRP (\$10.0M)
- Boilers 3, 4, 5 and MCC Replacement, SWRP (\$13.0M)
- Rehab of Steel Spandrel Beams, Pump and Blower, OWRP, (\$10.0M)



2021 Budget





Stormwater Management Fund



2021 Budget

Stormwater Management Fund

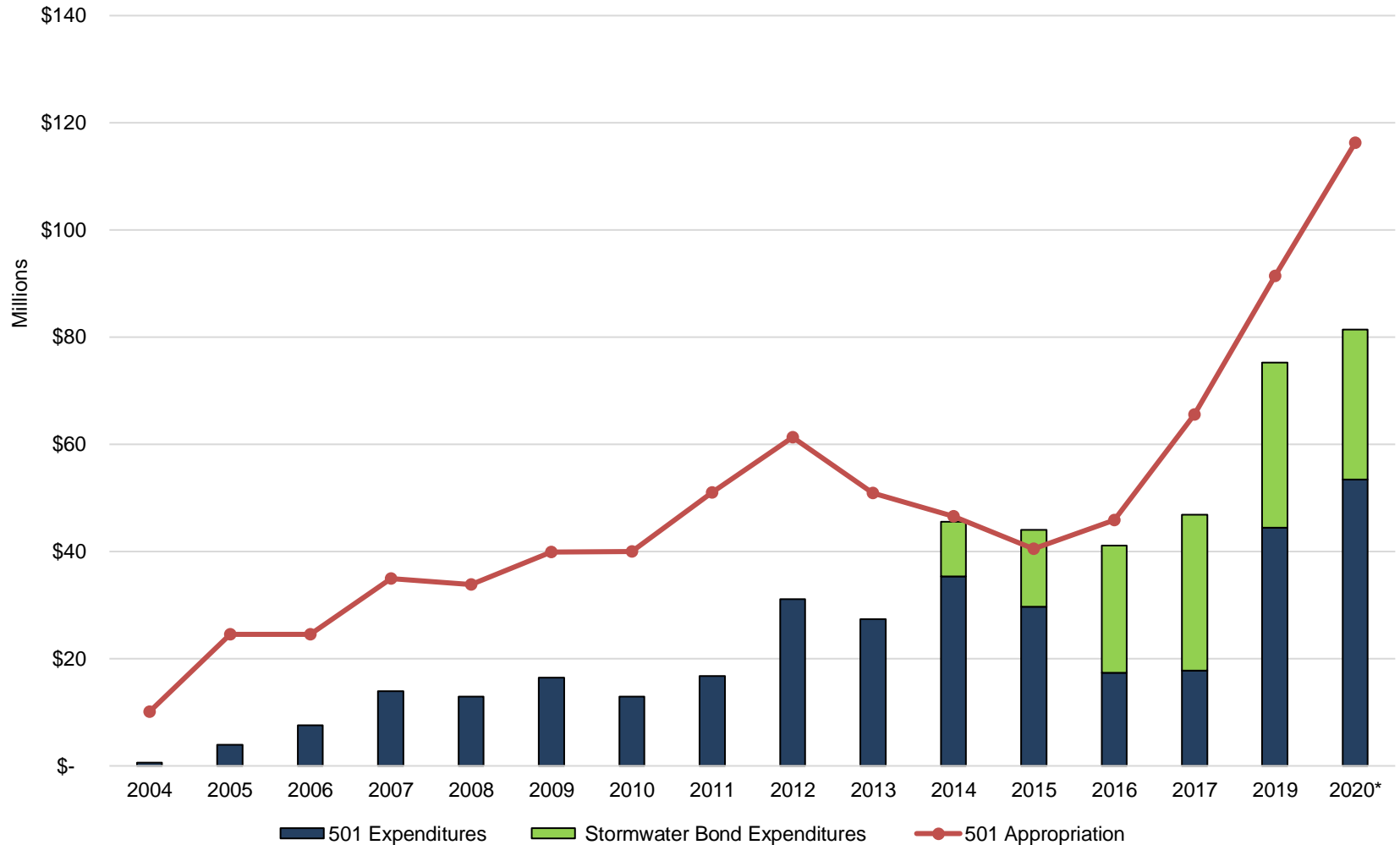
	Appropriations	Positions
2021	\$109,965,900	96
2020	116,258,000	91
Change	 \$(6,292,100)	 5
	(5.4)%	

(Including BF-19 Changes)



2021 Budget

Stormwater Program Historical Expenditures





2020 Accomplishments

- 97 Flood-Prone Properties Acquired
- Completed Buffalo Creek Reservoir Expansion (\$9.6M)
- Completed Culvert Improvement in Elk Grove Village, \$3.5M (District \$557,000)
- Completed 10 GI partnership projects, > 8MG
- Completed 5 Space to Grow projects
- Awarded 6 Master Planning Studies
- Program to-date → >14,000 structures protected/removed



2020 Challenges – COVID-19 Delays

- Five IGAs Delayed (\$8.3M)
- Seven IGAs cancelled by municipal partners (\$1.0M)
- Delays due to impacts on outside agencies
 - 13-248-5F, Streambank Stabilization Project on Oak Lawn and Chicago Ridge (\$9.8M)
 - 11-187-3F, Addison Creek Channel Improvements (\$42.7M)



2021 Initiatives

- Addison Creek Channel Improvements (\$42.7M)
- Diversion Channel for Flood Control Project in Robbins, Phase 1, (\$8.0M)
- Flood Control Project in Robbins, Phase 2, (\$11.0M)
- Robbins Rain Garden and Riparian Restoration (\$2.0M)
- Renew Focus w/ Partner Agencies



2021 Budget

Metropolitan Water Reclamation District of Greater Chicago

Monitoring & Research



Executive Director's Budget Recommendations

Edward W. Podczewinski, Director of Monitoring & Research



2021 Budget

Monitoring & Research

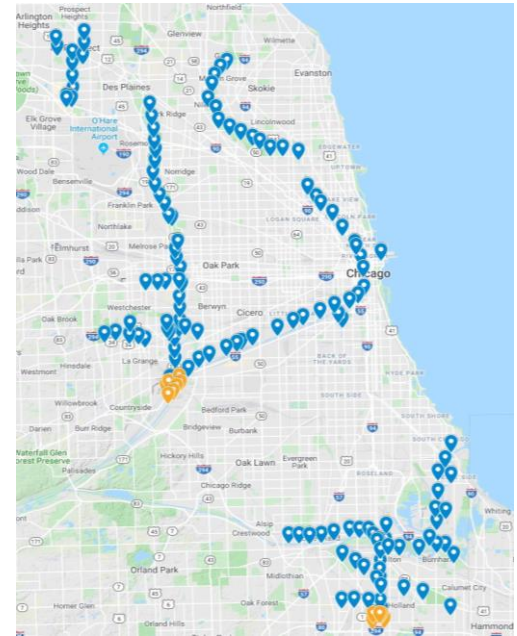
	Appropriations	Positions
2021	\$32,724,200	291
2020	31,827,100	294
Change	 \$897,100	 (3)
	2.8%	

(Including BF-19 Changes)



2020 Accomplishments

- Fulfilled regulatory required groundwater monitoring under COVID-19 pandemic conditions and completed a three-year study for TARP wells
 - Four TARP deep tunnel systems and four reservoirs:
11 monitoring reports to Illinois Environmental Protection Agency
 - Three-year TARP groundwater monitoring well study report submitted to Illinois Environmental Protection Agency (IEPA)





2020 Accomplishments

- Completed regulatory required and other environmental monitoring
 - 28 Ambient Water Quality Monitoring (AWQM) stations monthly
 - One AWQM station weekly
 - 21 Continuous Dissolved Oxygen Monitoring (CDOM) stations
 - 12 locations for fish collection and identification





2020 Accomplishments

- Enhanced Biosolids Utilization Outreach
 - Quantity of exceptional quality biosolids utilized locally increased despite COVID-19 pandemic
 - Biosolids quarterly newsletter launched and sent to hundreds of potential users
- Conducted a virtual workshop with a focus group of farmers as well as Illinois Farm Bureau, Fulton County Farm Bureau and University of Illinois at Urbana-Champaign (UIUC)



Windy City
Biosolids/Compost
Summer 2020

In This Issue

- 2 The Rundown: Who is using our EQ materials and how?
- 3 Sustainable Landscapers' Corner: Interview with Jim Walsh
- 4 Pre-Covid 19 Events Compost is available now

Exceptional Quality (EQ) Biosolids and Compost means sustainable!

What are EQ Biosolids and Compost?

The Metropolitan Water Reclamation District of Greater Chicago (MWRD) follows standards set by the U.S. EPA Part 503 Rule to provide Exceptional Quality (EQ) biosolids and compost to parks, school athletic fields, golf courses, nurseries, residents, businesses, and large landscape use. Criteria for meeting the EQ standard require diligent testing of the products showing that no pathogens remain, the material meets (in our case exceeds) pollutants concentration standards including metals, and the material is not attractive to vectors such as rodents or other vermin.

Our EQ Biosolids are made with biosolids resulting from the microbially digested organic matter that remains after wastewater treatment processing. This means EQ biosolids are rich in organic matter, important soil components. The air-dried biosolids are excellent soil amendments on their own, but we also provide an alternative product, known as EQ Compost, by composting biosolids with locally sourced woodchips, creating a more stable product that can be used in other applications such as mulching.

Why does this mean it's sustainable?

Location - Rather than hauling valuable biosolids hundreds of miles for farmland application, local usage is a win-win that saves taxpayer

dollars and improves our local soils right here in the Chicago area at no cost, reducing carbon emissions. At the same time, local users can source their soil amendments locally, rather than buying and trucking in fertilizer, manure, topsoil or other products from distant locations.

Soil health - Using EQ Compost or air-dried biosolids as a soil amendment improves soil structure. Improved soil structure allows better root penetration and better water management. That translates to less flooding during rain events and better water holding during dry periods. The organic matter provides carbon for the microbial community, which helps provide nutrients and water to plants. This is a win-win!



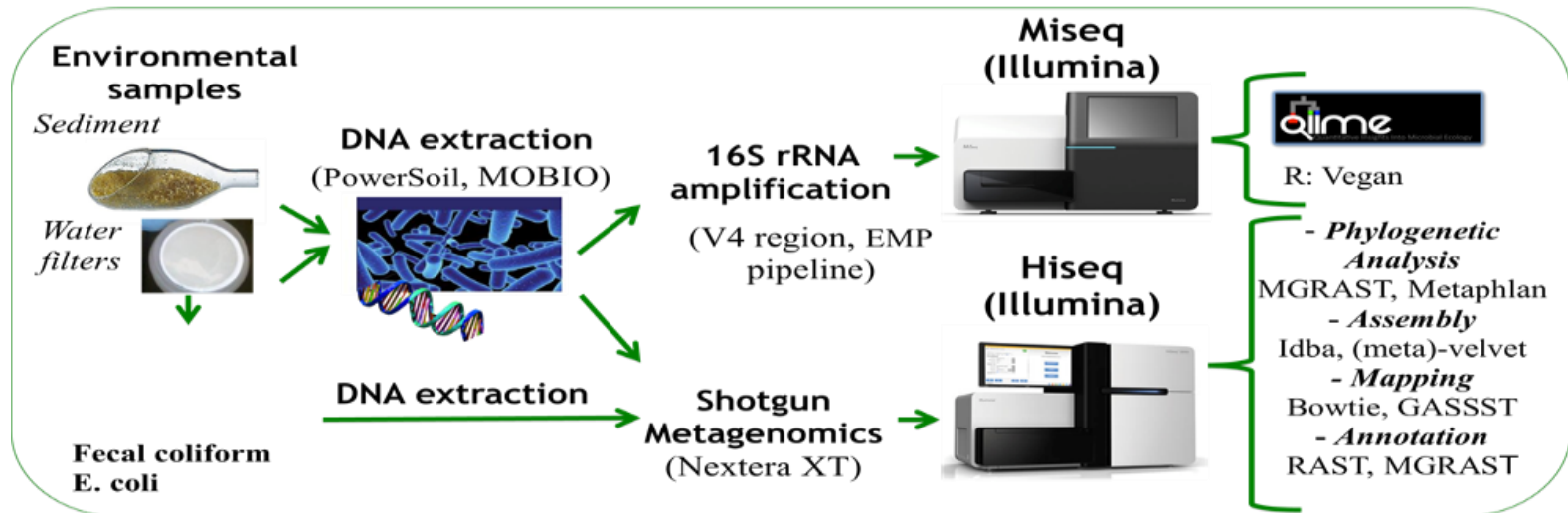
Maggie Daley Park used MWRD biosolids to help create its beautiful lawn.

Metropolitan Water Reclamation District of Greater Chicago



2020 Accomplishments

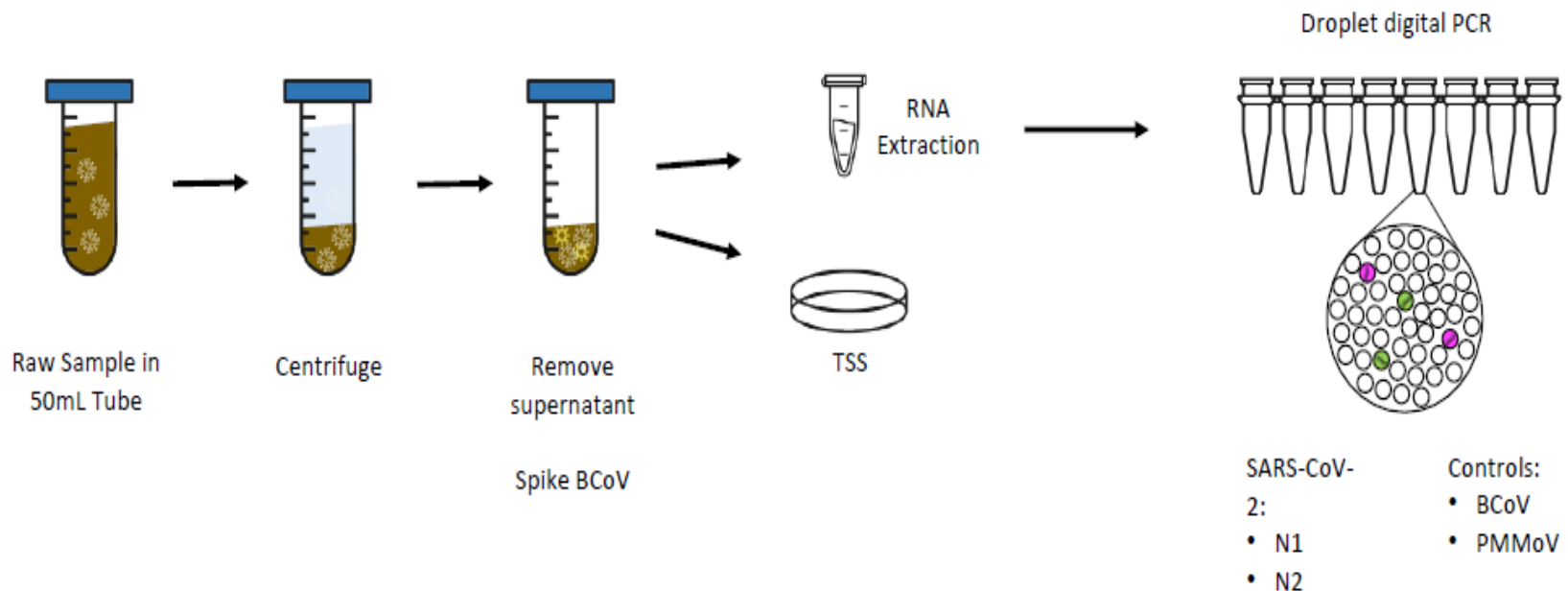
- Completed a seven-year collaborative research project with Argonne National Lab to use microbial source tracking tools to assess the Chicago Area Waterway System (CAWS) reaches designated for Primary Contact Recreation Use
 - Field sampling completed in 2019
 - Final data analysis and project report completed in 2020





2020 Accomplishments

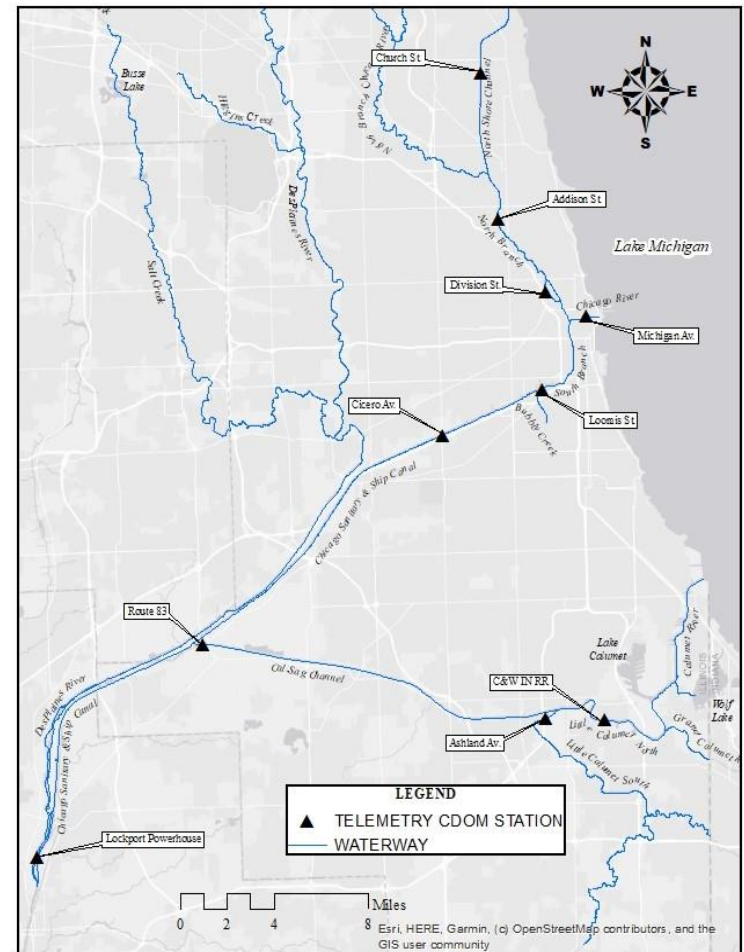
- Supported wastewater surveillance for COVID-19 pandemic
 - Participated in a National Science Foundation study led by Stanford University since March 2020
 - Participated in a similar study by Argonne/University of Illinois at Chicago/Northwestern University including Department of Public Health of City of Chicago and Cook County





2020 Accomplishments

- Upgraded water quality monitoring systems
 - Utilized a cloud-based AQUARIUS time-series data management system for Continuous Dissolved Oxygen Monitoring (CDOM) program
 - Set up a telemetry system to collect real-time water quality information in the CAWS for 10 stations





2020 Accomplishments

- Completed a lab-scale side stream enhanced biological phosphorus removal study at the Calumet WRP
- Completed an ammonia-based aeration control study at the Hanover Park WRP
- Completed the Hanover Park WRP Biosolids Planning Study
- Completed the Stickney WRP Odor Modeling and Southwest Preliminary Treatment Odor Control Conceptual Design



2020 Accomplishments

- Completed the Kirie WRP Whole Plant Improvement Conceptual Design Report
- Completed the Draft Sustainability and Resiliency Plan and Draft Climate Action Plan
- Algae Research at the O'Brien WRP
 - Department of Energy Grant of \$240,000
 - Ralph Fuhrman Medal for Outstanding Water Quality Academic - Practice Collaboration - Water Environment Federation
 - 2020 Innovation Collaboration of the Year Award - Algae Biomass Organization



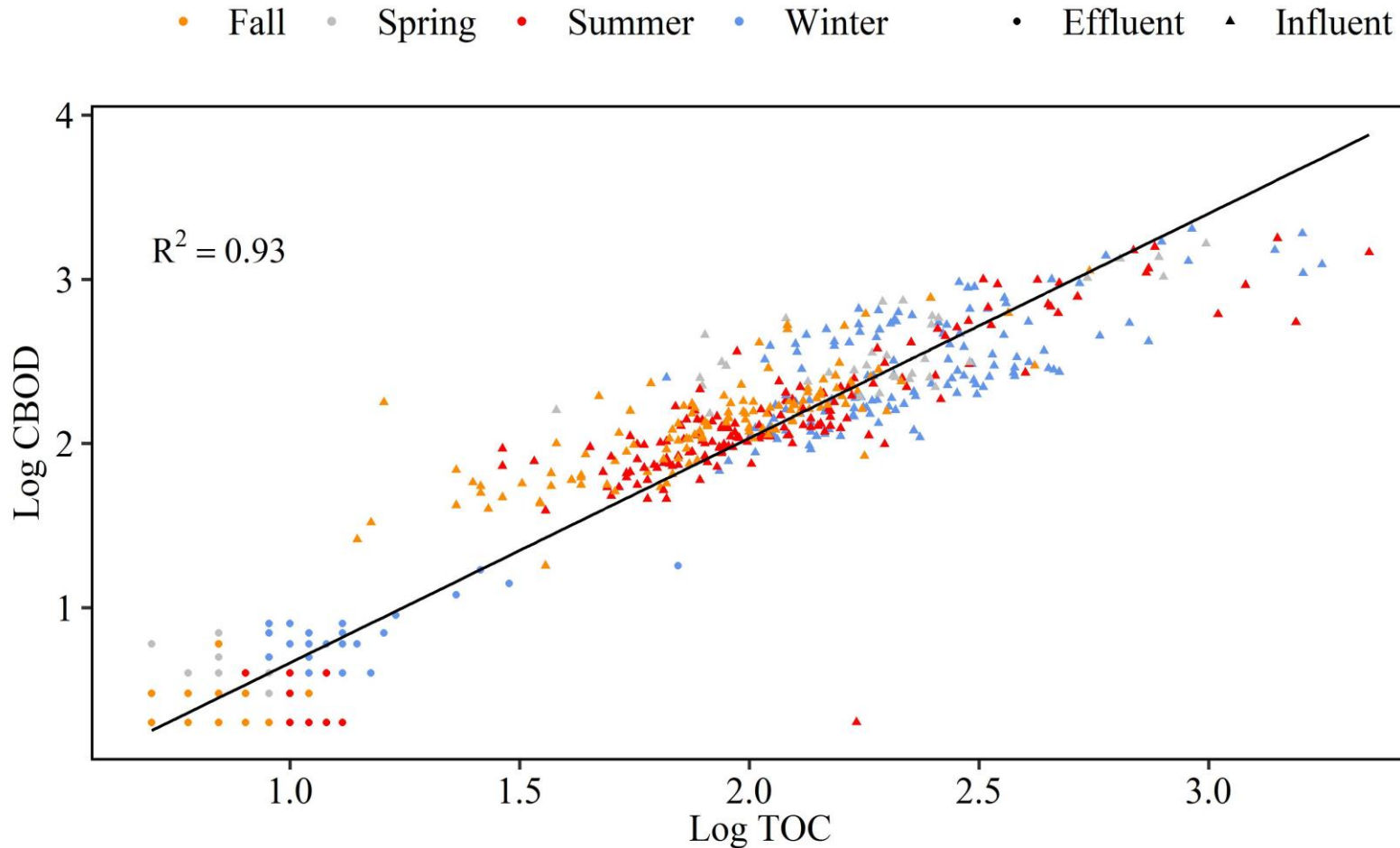
2020 Accomplishments

- Conducted a yearlong study to demonstrate the correlation between total organic carbon (TOC) and biological oxygen demand (BOD) / carbonaceous biological oxygen demand (CBOD) for all seven water reclamation plants
- Performed a full statistical analysis of the study data
- Applied to the IEPA to request modifications to the National Pollutant Discharge Elimination System (NPDES) permits to replace BOD and CBOD with TOC values



2020 Accomplishments

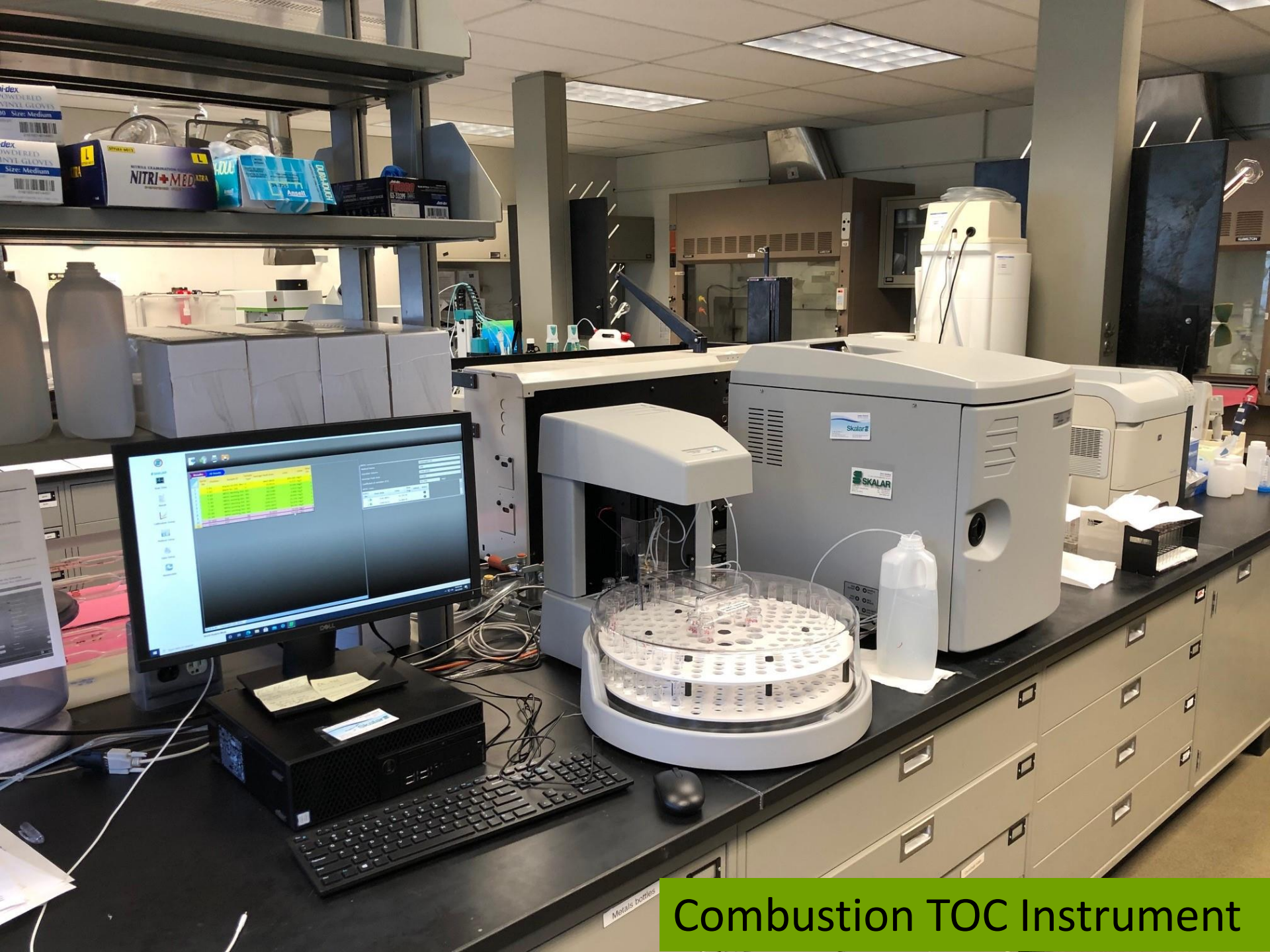
Stickney Water Reclamation Plant – TOC/CBOD Correlation January – December 2019





2020 Accomplishments

- A combustion TOC instrument was placed on-line at the Egan Analytical Laboratory to analyze District WRP samples for TOC in place of the BOD/CBOD analyses
- This will result in the following advantages:
 - Faster and more reliable results: Maintenance & Operations Department can have results on the same day vs. five days for use in WRP operations
 - Samples can be retested for confirmation
 - Reduction in use of mercury reagents



Combustion TOC Instrument



2020 Accomplishments

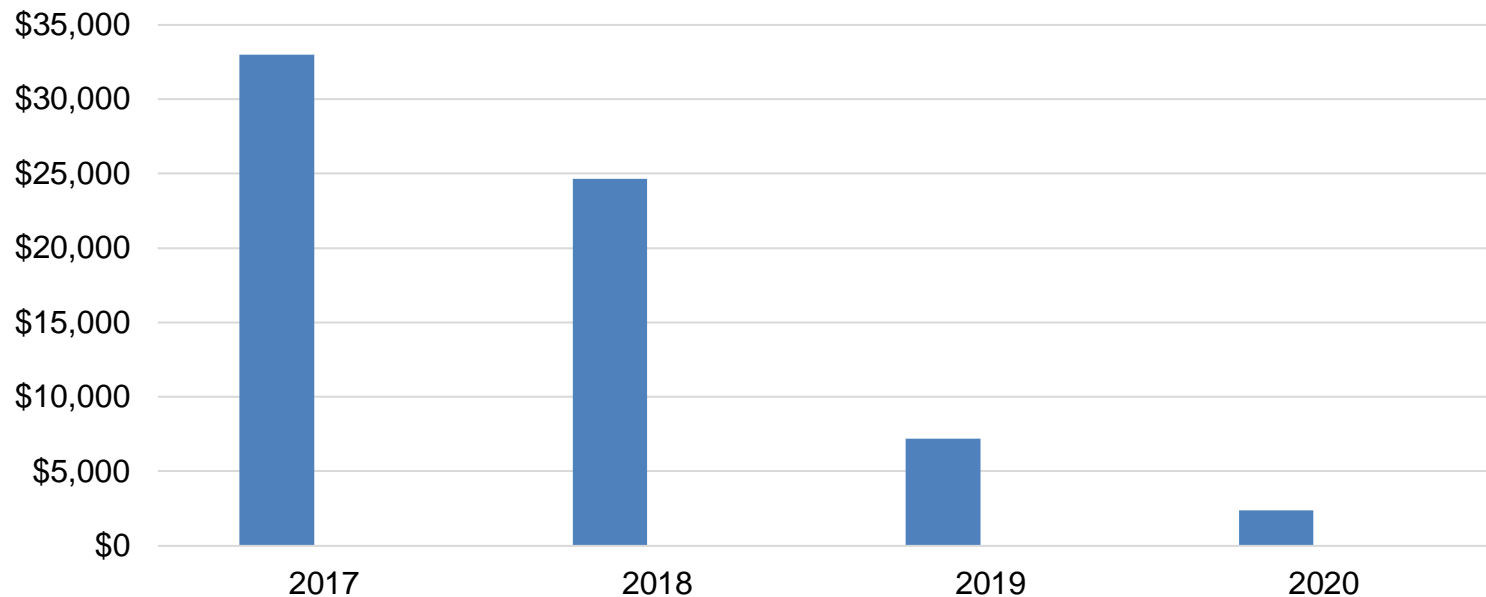
- The M&R Department advertised an RFP for the purchase of a new Laboratory Information Management System (LIMS)
- LIMS contract to be awarded in December 2020
 - Will be configurable by the District staff
 - Will be web-based which will allow remote access by personnel in the field
 - Will have many new functions allowing for greater flexibility



2020 Accomplishments

- Continued the reduction in the quantity of the M&R Department mercury waste generated and decreased the annual cost to dispose of the toxic waste

M&R Department Annual Mercury Disposable Cost





2020 Accomplishments

- Awarded contract for the development of an electronic reporting system under the Cross Media Electronic Reporting Rule (CROMERR)
 - Development occurring from October 2020 to July 2021 with EPA approval before the end of 2021
 - Expected go-live date for CROMERR in January 2022 (electronic payments system launched in October 2020)



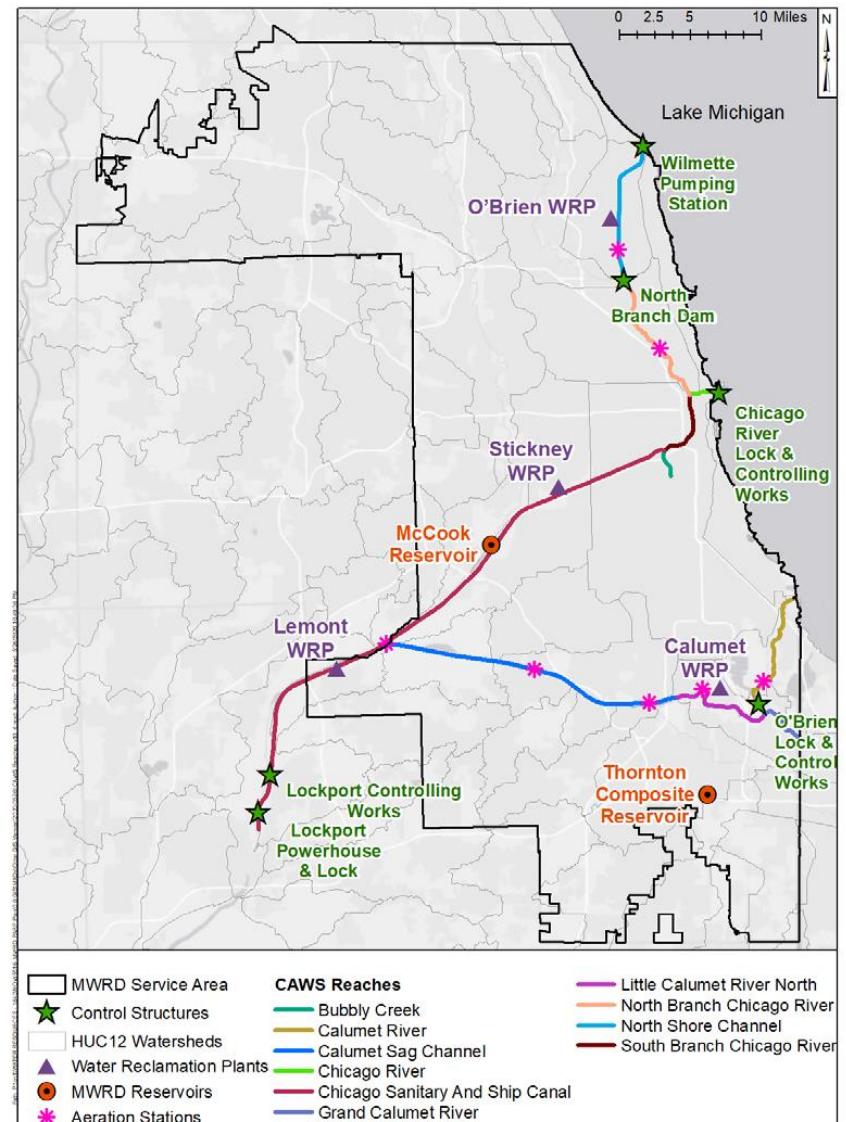
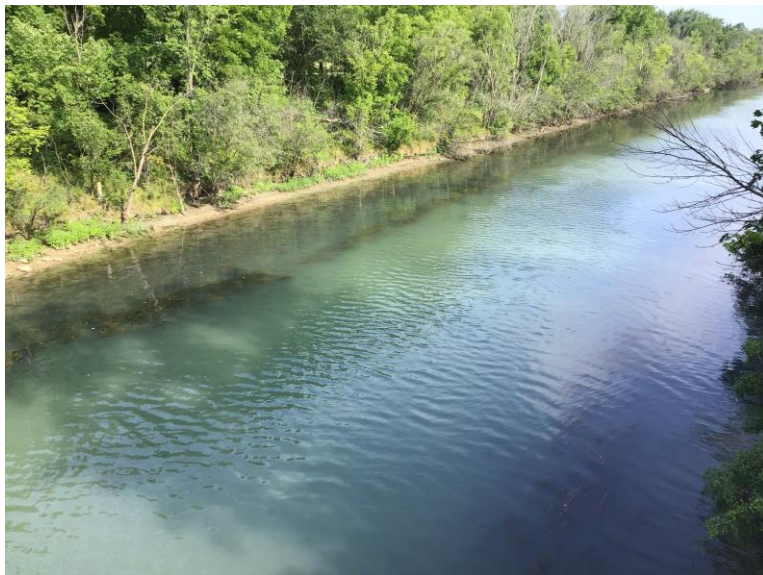
2020 Accomplishments

- Awarded contract and completed first year of CAWS Phosphorus Assessment and Reduction Plan Study in collaboration with non-governmental organizations (NGO) and the IEPA
- The study will continue through December 2023 and culminate in a Phosphorus Assessment and Reduction Implementation Plan (PARP) for the CAWS that may recommend phosphorus reductions from WRPs discharging to the CAWS, or other measures to reduce offensive conditions (if identified)



2021 Initiatives

- Continue a three-year CAWS PARP Study in collaboration with NGO's and IEPA per NPDES permit requirements, which started in 2020





2021 Initiatives

- Continue to lead and partner in the DuPage River Salt Creek, Lower Des Plaines Watershed, North Branch Chicago River Watershed Workgroups, and River Ecology and Governance Task Force





2021 Initiatives

- Continue to utilize the Fulton County site to build partnerships and collaboration between point and non-point source on Best Management Practices (BMPs) for nutrient loss reductions on agricultural land
- Implement BMPs in more fields at Fulton County via new farm field lease
- Kick off UIUC's EPA-funded collaborative project





2021 Initiatives

- Complete the Stickney WRP Biosolids Planning Study
- Evaluate processes and improvements to reduce greenhouse gas footprint
- Study effectiveness of full-scale pilot of side stream enhanced biological phosphorus removal at the Calumet WRP



2021 Initiatives

- Fully implement the substitution of TOC values for BOD/CBOD values on all the District's NPDES permit reporting
- Replace the existing LIMS with a new LIMS. The implementation will be started in 2021 and will be completed in 2022.
- Continue the reduction of the M&R Department's mercury waste disposal and the associated costs



2021 Initiatives

- Reduce paper and manual processes with a new electronic reporting system by implementing GovOnline
 - Reports submitted electronically will automatically update the database
 - Improve customer service and transparency with 24/7 customer access to status dashboards and a customer-specific document library
 - A new electronic notification system will reduce or eliminate reporting delays of pollution events currently required to be handled by phone call



2021 Budget

Metropolitan Water Reclamation District of Greater Chicago

Finance



Executive Director's Budget Recommendations

Jacqueline Torres, Clerk/Director of Finance



2021 Budget

Finance

	Appropriations	Positions
2021	\$3,876,900	27
2020	3,883,200	27
Change	 \$(6,300)  —	
	(0.2)%	



2020 Accomplishments

- Received an unqualified opinion on the 2019 audited Comprehensive Annual Financial Report (CAFR)
- Received the Government Finance Officers Association Award for Excellence in Financial Reporting for the 45th consecutive year
- Internal Audit staff assisted with critical operations and managed the FEMA and Cook County COVID-19 expense reimbursement applications



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, 2018

Christopher P. Morrell
Executive Director/CEO



2020 Accomplishments

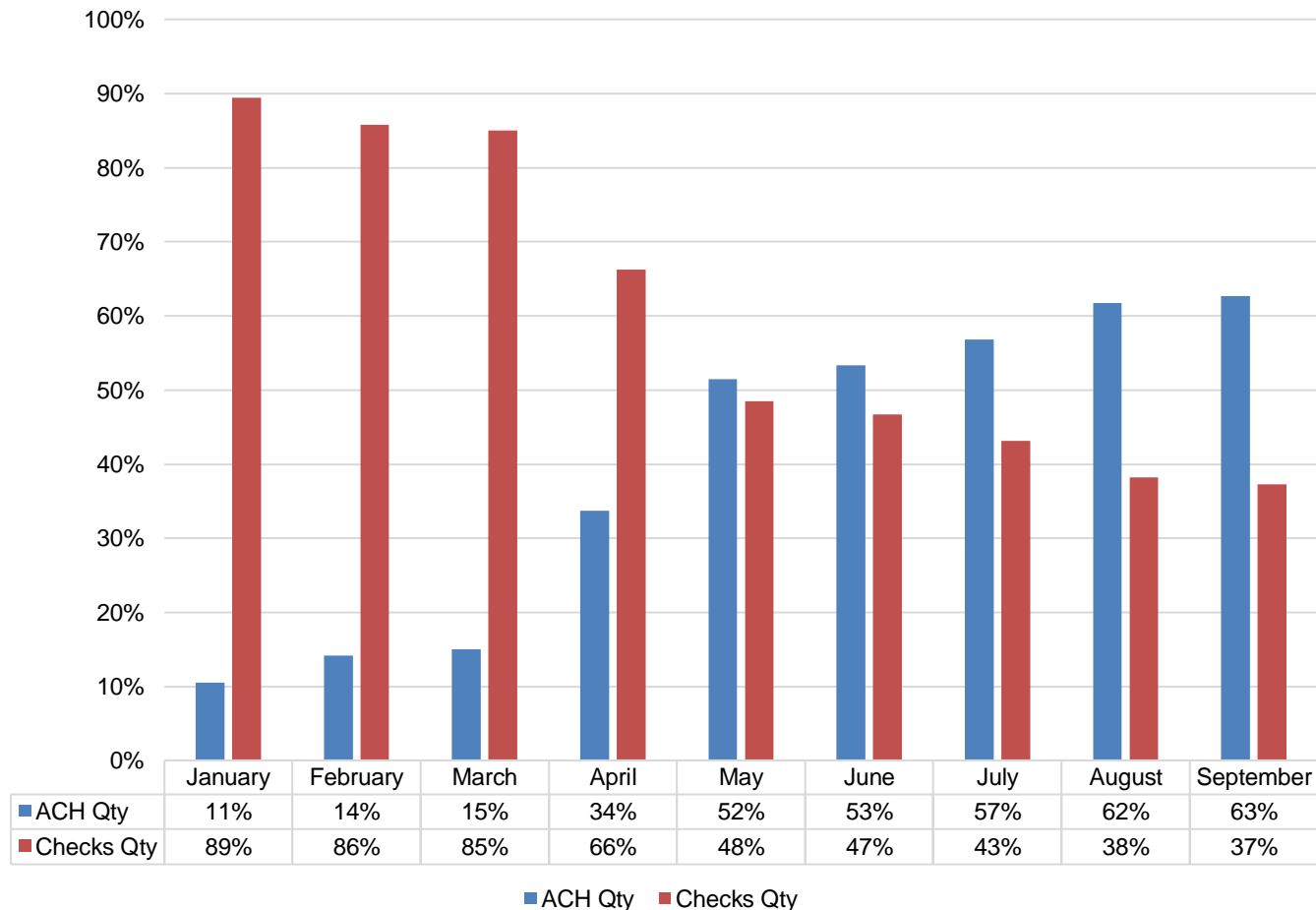
- Implemented SAP Concur, an automated travel and employee expense reimbursement solution that includes workflow, mobile functionality, and paperless processing
- Deployed online platform to receive electronic payments for lobbyist registration fees, local sewer permits, chemical toilet waste, and Bio-P coupons. In 2020, 72% of revenues were collected for these categories.



2020 Accomplishments

- Increased initiative to convert vendor payments from check to ACH from 10% in 2019 to 63% in 2020

2020 Vendor ACH and Check Payments Trends





2021 Initiatives

- Implement GASB 87, a new accounting standard for capitalizing leases



- Issue RFP and implement new solution for 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



2021 Budget

Metropolitan Water Reclamation District of Greater Chicago

Law



Executive Director's Budget Recommendations

Susan T. Morakalis, General Counsel



2021 Budget

Law

	Appropriations	Positions
2021	\$7,952,200	38
2020	7,274,200	38
Change	 \$678,000	 —
	9.3%	



2020 Accomplishments

- Delivered winning oral argument to Illinois Appellate Court in defense of the District's Lake Michigan water allocation
- Delivered oral argument at Illinois Supreme Court in defense of lower court's dismissal of flooding claims against the District
- Responded to the Board of Commissioners' request for a comprehensive review of the District's Ethics Ordinance and assisted in drafting amendments adopted by the Board. The amended Ethics Ordinance contains new provisions including a code of conduct, lobbyist registration, and heightened conflict of interest requirements
- Worked with the Procurement & Materials Management Department to successfully implement the Bonfire software to allow for the RFP & contract bidding processes to move to an on-line platform



2020 Accomplishments

- Worked with the Procurement & Materials Management Department to move the District towards the use of DocuSign as an electronic signature option for use by District personnel for a variety of signature needs
- Processed 320 Freedom of Information Act Requests to date
- Received four favorable Determinations from the Public Access Counselor regarding FOIA related appeals



2020 Accomplishments

- Obtained dismissal of federal lawsuit by two former employees containing four federal and five state law claims alleging constitutional and statutory violations against the District and several individual defendants
- Won summary judgement in seven-count federal lawsuit alleging ADA, ADEA, and constitutional violations against the District and two individual defendants
- Obtained favorable outcomes in six discharge cases and three employee appeals before the Civil Service Board



2020 Accomplishments

- Negotiated several user charge settlements resulting in payment of approximately \$350,000 in unpaid user charges
- Supported the Engineering Department in the right-of-way acquisition for several important stormwater projects, including the Addison Creek Channel Improvement Project resulting in acquisition or pending a final resolution in court of approximately 75% of the 127 parcels located in the right-of-way (over 200 PINs)



2021 Initiatives

- Conduct training of District personnel on relevant legal topics including the Freedom of Information Act
- Continue to support the Engineering Department's Stormwater Management Section in acquiring the right-of-way for flood control projects. This legal assistance includes obtaining the necessary easements, licenses, and permits, as well as negotiating Intergovernmental Agreements and filing condemnation actions
- The Site Remediation Section has been transferred to the Law Department from the Maintenance & Operations Department and adds value by working with the Real Estate Division
- Generate real estate lease and easement income at approximately \$24,500,000



2021 Budget

Metropolitan Water Reclamation District of Greater Chicago

Procurement & Materials Management



Executive Director's Budget Recommendations

Darlene A. LoCascio, Director of Procurement & Materials Management



2021 Budget

Procurement & Materials Management

	Appropriations	Positions
2021	\$10,509,200	61
2020	9,944,900	63
Change	 \$564,300	 (2)
	5.7%	



2020 Accomplishments

- Procured personal protective equipment and cleaning supplies during the Covid-19 pandemic to ensure the safety of District employees and sufficiently supplying the District into June 2021
- Implemented electronic bidding process
 - Proposals and bids on contracts
- Implemented electronic signature process
 - Contracts, agreements, and Board approved POs
- Green Initiatives
 - Revised processes to reduce paper, save resources, and increase efficiency



2021 Initiatives

- Establish an interactive vendor application to allow vendors to update their profiles
- Ensure that new vendor application is integrated into the electronic bidding process and existing SAP financial software
- Expand the use of electronic signatures for additional document types and processes
- Green Initiatives
 - Continue to revise processes to reduce paper, save resources, and increase efficiency



2021 Budget

Metropolitan Water Reclamation District of Greater Chicago

General Administration

Executive Director's Budget Recommendations

William S. Sheriff, Acting Administrative Services Officer



Regina D. Berry, Diversity Administrator

Allison Fore, Public and Intergovernmental Affairs Officer



2021 Budget

General Administration

	Appropriations	Positions
2021	\$20,953,100	121
2020	29,712,200	121
Change	 \$(8,759,100)	 —
	(29.5)%	

(Including BF-19 Changes)



2021 Budget

Administrative Services



2020 Accomplishments

- Replaced original chillers in the Main Office Building Annex (MOBA)



- Finalized six-year project to paint and replace carpet on all floors throughout the Main Office Building Complex (MOBC)



2020 Accomplishments

- Provided the safest possible office environment at the MOBC during the COVID-19 pandemic:
 - Plexiglass barriers
 - Signage
 - Daily wellness checks
 - Increased outside air volumes in HVAC systems
- Installed touchless motion sensor lighting and automatic faucets across all MOBC restrooms





2020 Accomplishments

- 2020 Budget received the Government Finance Officers Association Distinguished Budget Presentation Award for the 36th consecutive year
- Produced the 2021 ED Recommended Budget Book primarily remotely by fully utilizing the publication software's tools



GOVERNMENT FINANCE OFFICERS ASSOCIATION

*Distinguished
Budget Presentation
Award*

PRESENTED TO

**Metropolitan Water Reclamation District of Greater
Illinois**

For the Fiscal Year Beginning

January 1, 2020

Christopher P. Morill

Executive Director



2021 Initiatives

- Replace the original boilers at the Main Office Building with more efficient models
- Replace cooling tower fill at MOBA





2021 Initiatives

- Expand the Gen-Tec camera system to monitor employee parking areas at various plant locations
- Replace various access control systems across the District with a single system for all locations
- Select and implement replacement budgeting system for the preparation of the 2023 budget



2021 Initiatives

- Continue research on in-plant electric vehicle charging stations for future replacement of fleet vehicles with fully electric models and install per recommendations
- Test three Police Vehicles (standard engine, EcoBoost engine, hybrid engine) purchased in 2020 to determine the best fit for performance and maintenance





2021 Budget

Diversity



2020 Accomplishments

- Recipient of the Government Service Award from the Hispanic American Construction Industry Association (HACIA)





2020 Accomplishments

- Virtually Presented at the following events:
 - Water Environment Federation's Technical Exhibition and Conference (WEFTEC)
 - Operation Push
 - Hispanic American Construction Industry Association (HACIA)
 - Black Contractors Owners and Executives (BCOE)
 - Women's Business Development Center (WBDC) Annual Conference
 - Chicago Urban League Virtual Summit on the State of Black America



2020 Accomplishments

- Celebrated African American history month beginning with raising the Pan-African flag for the first time and recognizing the notable contributions of many African American icons





2020 Accomplishments

- Completed the installation and pilot for the PRISM electronic data system, which will go live in December

Payments to Contract Goal(s) between 01/01/2018 and 12/31/2018 dates | Group By: Department
Program: SBE | Project: -- All -- | Department: Construction | Goal: -- All --

WBE-S Participation Details - Construction

Contract Number - Name	Contract Amount w/ Change Order	Goal %	Contract Goal Amount	Goal/Role	Contract %	Commitment Amount	Payments Towards the Goal	% Paid
A/B AND C/D SERVICE TUNNEL REHABILITATION - PHASE TWO, STICKNEY WATER RECLAMATION	\$20,428,792.18	10.00%	\$2,042,879.22	WBE-S	4.10%	\$838,397.63	\$578,717.65	69.03%
Prime: IHC CONSTRUCTION & F H PASCHEN, S N								
AMERICAN CONCRETE RESTORATIONS...				WBE-S	4.10%	\$838,397.63	\$578,717.65	69.03%
0004000056 - BUFFALO CREEK RESERVOIR EXPANSION, LAKE COUNTY, ILLINOIS	\$9,678,900.00	10.00%	\$967,890.00	WBE-S	10.07%	\$975,000.00	\$726,197.39	74.48%
Prime: LAKE COUNTY GRADING CO LLC								
321 CO.				WBE-S	10.07%	\$975,000.00	\$726,197.39	74.48%
TELEVISION INSPECTION AND RECORDING OF SEWERS AND MANHOLES AT VARIOUS	\$1,944,450.00	5.00%	\$97,222.50	WBE-S	5.00%	\$97,222.50	\$46,025.50	47.34%
Prime: NATIONAL POWER RODDING CORPORATION								
JACK CONTRACTOR SERVICES INC				WBE-S	5.00%	\$97,222.50	\$46,025.50	47.34%
0005001665 - PAVEMENT REHABILITATION AT VARIOUS SERVICE AREAS	\$880,834.00	10.00%	\$88,083.40	WBE-S	10.22%	\$90,000.00	\$0.00	0.00%
Prime: SUMIT CONSTRUCTION CO INC ATTN								
Medina Transport, Inc				WBE-S	10.22%	\$90,000.00	\$0.00	0.00%
Total (4 contracts):	\$32,932,976.18	9.70%	\$3,196,075.12		6.07%	\$2,000,620.13	\$1,350,940.54	67.53%

Summary (for all goals):

Total Number of Contracts	6		
Total Contract Amount	\$59,913,484.00		
Total Contract Change Order	\$-90,207.82		
Total Contract Value	\$9,823,276.18		
Total Contract Goal(s) Amount	\$11,774,722.55	19.68%	(in relation to Total Contract Value)
Total Goal Commitment Amount	\$7,768,042.61	12.98%	(in relation to Total Contract Value)
Total Payment Towards the Goal(s)	\$5,796,905.54	74.63%	(in relation to Total Goal Commitment Amount)



2021 Initiatives

- Implement new LGBTBE and BEPD policies
- Virtually present our African American History Program
- Host a virtual vendor outreach event
- Conduct Affirmative Action Disparity Study to evaluate the continuance of the Affirmative Action Program



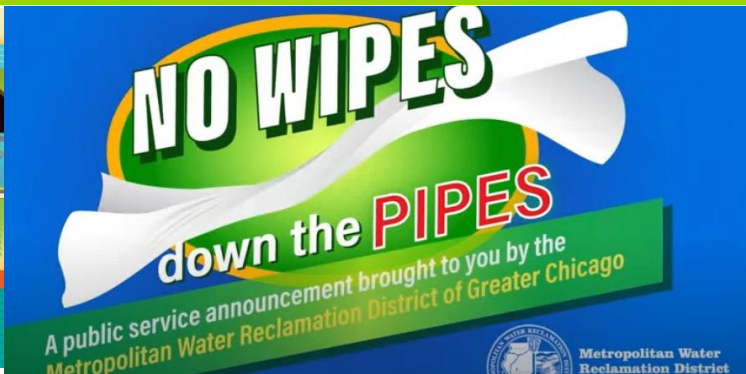
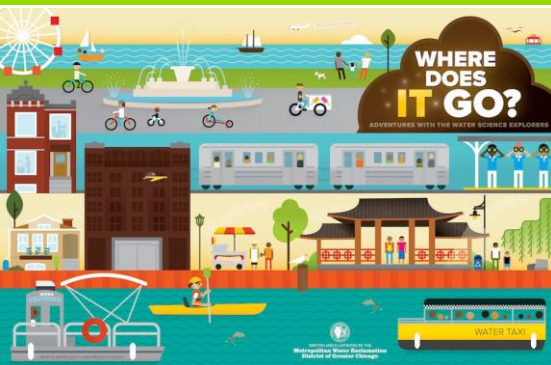


2021 Budget

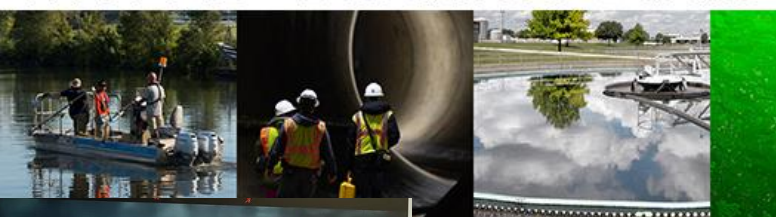
Public Affairs



2020 Accomplishments: How Public Affairs turned a pandemic into education



MWRD Virtual Tour



Metropolitan Water
Reclamation District
of Greater Chicago



Metropolitan Water
Reclamation District
of Greater Chicago

Fact Sheet

April 15, 2020

March 13, 2020

Coronavirus (COVID-19)

The Metropolitan Water Reclamation District of Greater Chicago is the regional authority for stormwater management for Cook County, the Metropolitan Water Reclamation District of Greater Chicago is following the guidance from the Illinois Department of Public Health (IDPH) and the U.S. Environmental Protection Agency (EPA) to ensure the safety of the water supply.

Metropolitan Water
Reclamation District
of Greater Chicago
October 23 at 8:25 AM

Fact Sheet

March 24, 2020

COVID-19 and the Chicago Region's Water Infrastructure

The Chicago Department of Water Management (DWM) treats and distributes drinking water to the Metropolitan Water Reclamation District of Greater Chicago (MWRD) manages the water supply for the region.



Neighborhood Newsletter

the buildings located The hardworking men of the Metropolitan Water Reclamation District of Greater Chicago (MWRD) manage the source of the region's drinking water. We provide the latest information and resources that strengthen

Managing flood waters during the Coronavirus (COVID-19) pandemic

As the regional authority for stormwater management for Cook County, the Metropolitan Water Reclamation District of Greater Chicago is following the guidance from the Illinois Department of Public Health (IDPH) and the U.S. Environmental Protection Agency (EPA) to ensure the safety of the water supply.

Sheet

May 12, 2020

Biosolids and COVID-19

Biosolids are a byproduct of the wastewater treatment process. They are rich in nutrients and can be used as a soil amendment. However, they can also contain pathogens, including COVID-19. The MWRD is following the guidance from the IDPH and EPA to ensure the safety of the water supply.



Press Release

For immediate release
March 24, 2020

It's a toilet, not a trashcan! Wipe down bathrooms and counters and sanitize, but only flush toilet paper



can protect the water environment and prevent damage from sewer overflows and backups.

"Toilet paper is the only item we should be flushing," said MWRD President Kari K. Fore. "It is helpful at a time we need to clean, but flushable or biodegradable. Everything deposited in the trash can, recycled, or composted."

The MWRD is a member of the National Association of Clean Water Agencies (NACWA). It advocates for clean water and wastewater infrastructure. Paper towels and feminine hygiene products are not flushable. Flushing them can cause problems for utilities.

Allison Fore
Public and Intergovernmental Affairs
312.751.6626
allison.fore@mwrdd.org
100 Erie Street, Chicago, IL 60601



2020 Accomplishments: Highlights from Public Affairs Video Productions in 2020

NO WIPES

down the PIPES

A public service announcement brought to you by the
Metropolitan Water Reclamation District of Greater Chicago



**Metropolitan Water
Reclamation District
of Greater Chicago**



2021 Initiatives

- Expansion of the Sustainability Summit educational program
- Virtual tours and educational outreach
- Continue to document projects through photography, videography and drone
- Develop interactive content for the website
- Write press releases and articles
- Historical photo research and scanning
- Continue Social media engagement
- Prepare for post-COVID in-person outreach events, groundbreakings and ribbon cuttings



2021 Budget

Metropolitan Water Reclamation District of Greater Chicago

Information Technology



Executive Director's Budget Recommendations

John H. Sudduth, Director of Information Technology



2021 Budget

Information Technology

	Appropriations	Positions
2021	\$18,987,200	70
2020	18,492,400	70
Change	 \$494,800	 —
	2.7%	



2020 Accomplishments

- Implemented Microsoft Teams allowing for remote collaboration
- Continued improvement on the District's cyber security posture
- Upgraded the District's phone system to support computer-based soft phones
- Digitized District's permitting system in efforts to continue operations during COVID-19 pandemic



2020 Accomplishments

- Implemented a Lobbyist registration system, increasing transparency for the District
- Enhanced the Citrix environment to accommodate a remote workforce
- Completed the deployment of Windows 10



2021 Initiatives

- Due to the unforeseen need for District employees to have telecommuting capabilities, the ITD has introduced dedicated teleworker profiles.
- The purpose of the profiles are to allow District employees the seamless ability to work from home offices.



2021 Initiatives

Included in the profiles are:

- Virtual Private Networking (VPN)
 - Access to District data
 - Remote IT support
- Telephony capable computers
 - Allows employees to make and receive phone calls from a District phone number
- Remote collaboration capabilities
 - Microsoft Teams
 - Microsoft OneDrive



2021 Budget

Metropolitan Water Reclamation District of Greater Chicago

Human Resources



Executive Director's Budget Recommendations

Beverly K. Sanders, Director of Human Resources



2021 Budget

Human Resources

	Appropriations	Positions
2021	\$61,099,700	93
2020	61,446,800	92
Change	 \$(347,100)	 1
	(0.6)%	



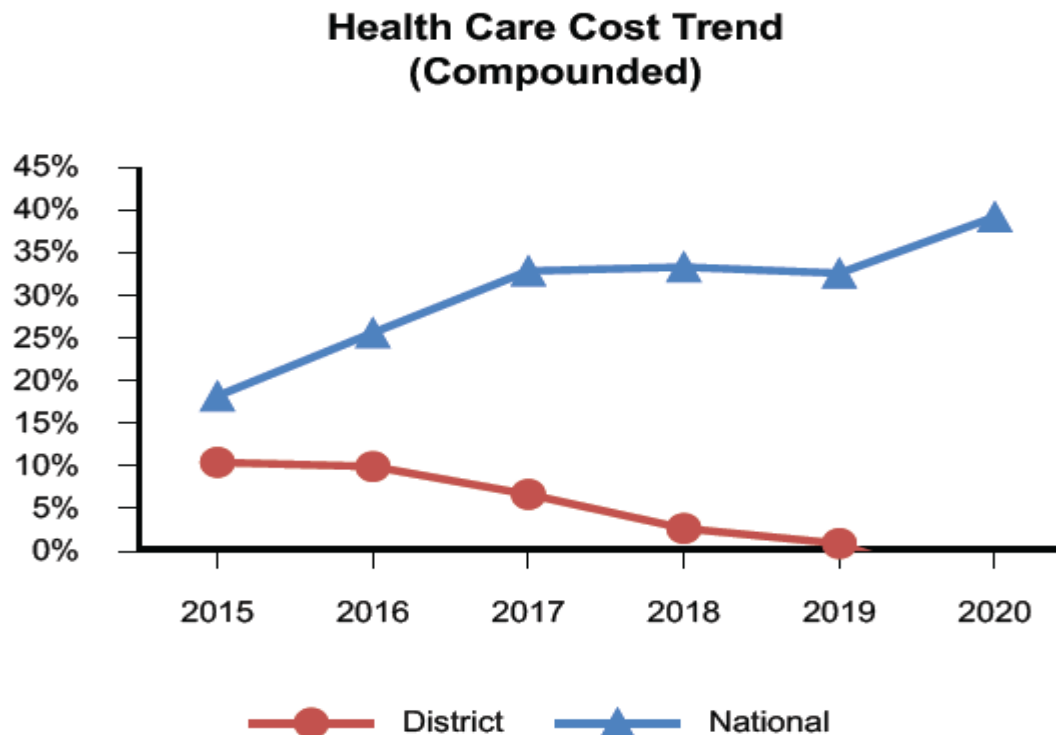
2020 Accomplishments

- Developed and implemented a COVID-19 pandemic specific module in the District's risk management information system
- Updated the District's Electrical Safety program
- Hired six Apprentices in partnership with Local 399, International Union of Operating Engineers
- Developed and implemented an online Internship application
- Conducted annual Harassment Awareness training using the newly implemented eLearning platform



2021 Initiatives

- Implement recommendations resulting from the safety consultant contract
- Continue to control health care spending





2021 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*



2021 Budget

Board of Commissioners

	Appropriations		Positions	
2021		\$5,212,300		36
2020		5,294,300		36
Change	↓	\$(82,000)	→	—
		(1.5)%		



2020 Accomplishments

- The Board of Commissioners launched work on a new 5-year Strategic Plan for the years 2022-2026. The Strategic Plan now includes input from both stakeholder organizations/government agencies, as well as District personnel.
- Work progressed by the Office of Independent Inspector General (IIG). Reports were issued by the IIG quarterly to the Board of Commissioners and are posted for public viewing on the District's website.
- On September 23, 2020, Fitch Rating Agency affirmed the District's AAA rating with stable outlook.
- Investment activities incorporated sustainability considerations according to the revised Investment Policy in December 2019.
- The District advance funded an additional \$20M to its Retirement Fund to further its commitment to funding of the pension plan.

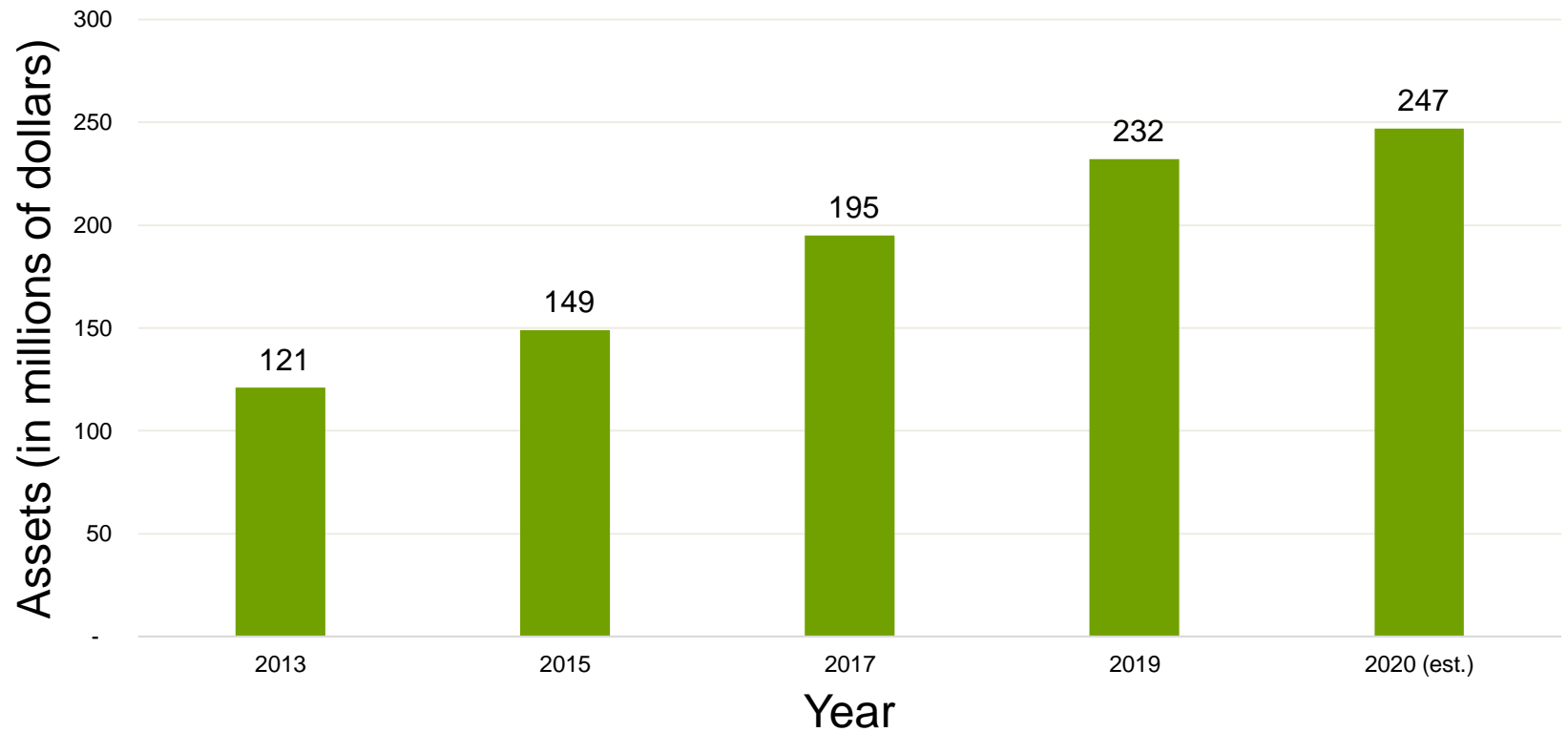


2021 Initiatives

- The Treasury Section will continue to strive to maintain AAA/AA bond credit ratings with stable outlooks despite the financial effects of the COVID-19 pandemic.
- The District will complete a bond sale to fund its Capital Improvement Program. A variety of low-cost funding options will also be evaluated including subsidized loans from the Illinois Environmental Protection Agency State Revolving Fund loan program and loans from the U.S. Treasury under the Water Infrastructure Finance and Innovation Act.
- The Legislative Section will continue its agreement with the Cook County Office of the Independent Inspector General in 2021. Inspectors General are accountable to the taxpayers. Their role is to detect and prevent waste, fraud, and abuse, thereby building trust in government.

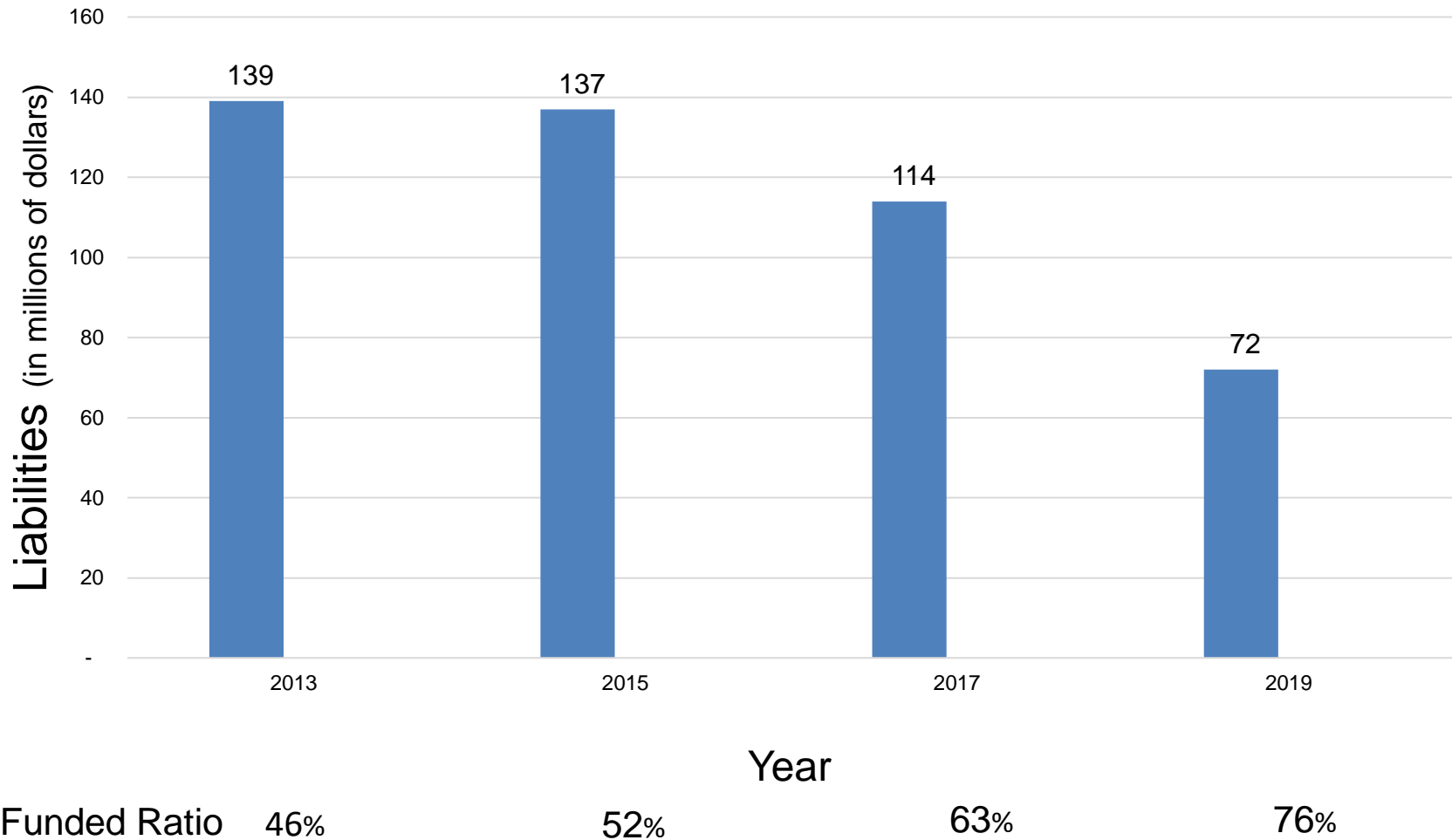


OPEB Trust Fund Net Assets





OPEB Unfunded Liability



(1) Actuarial valuations are biennial. The most recent actuarial valuation was as of December 31, 2019. The next valuation date is as of December 31, 2021.



2021 Budget

Metropolitan Water Reclamation District of Greater Chicago

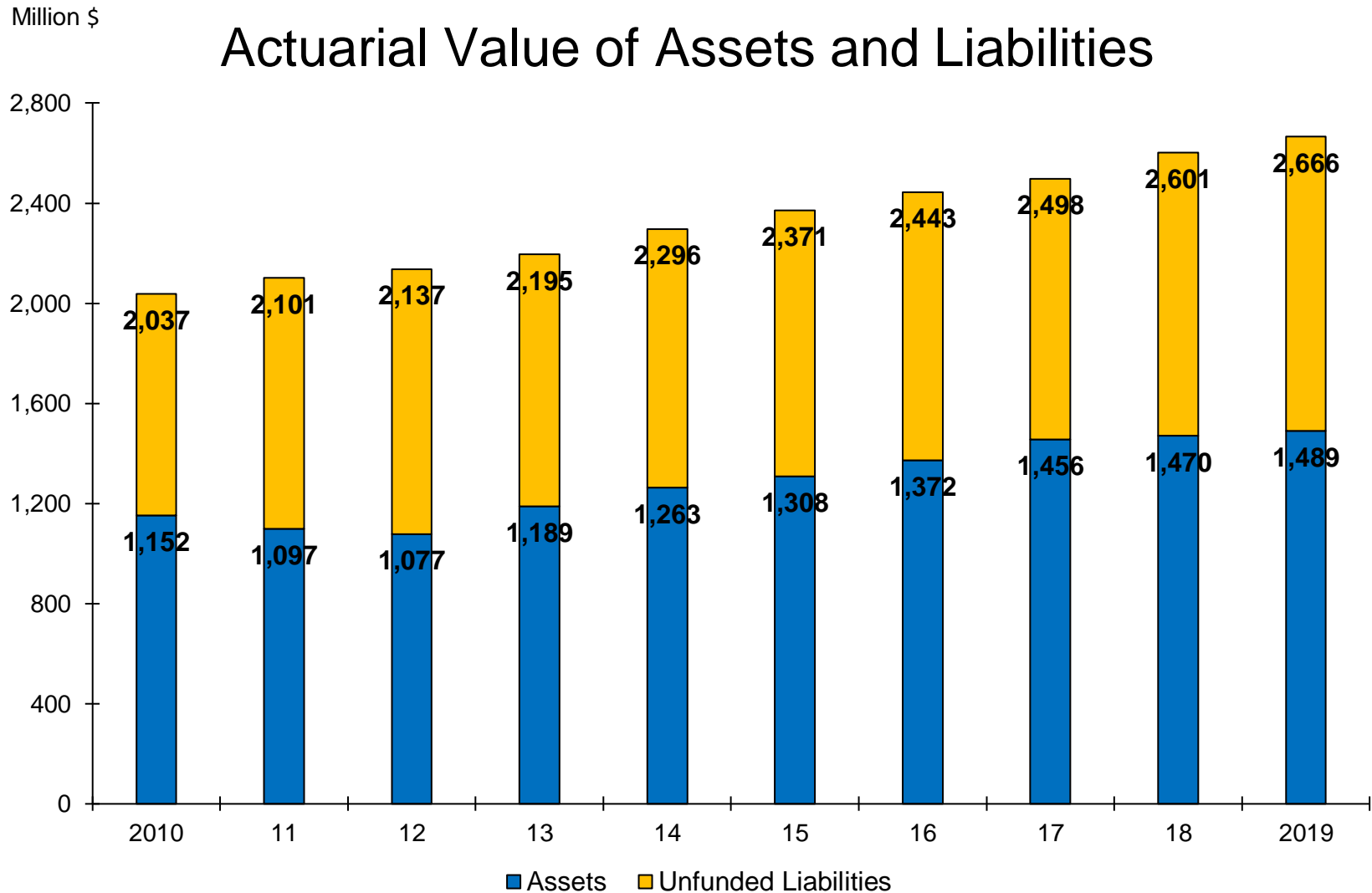
Retirement Fund

Executive Director's Budget Recommendations

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

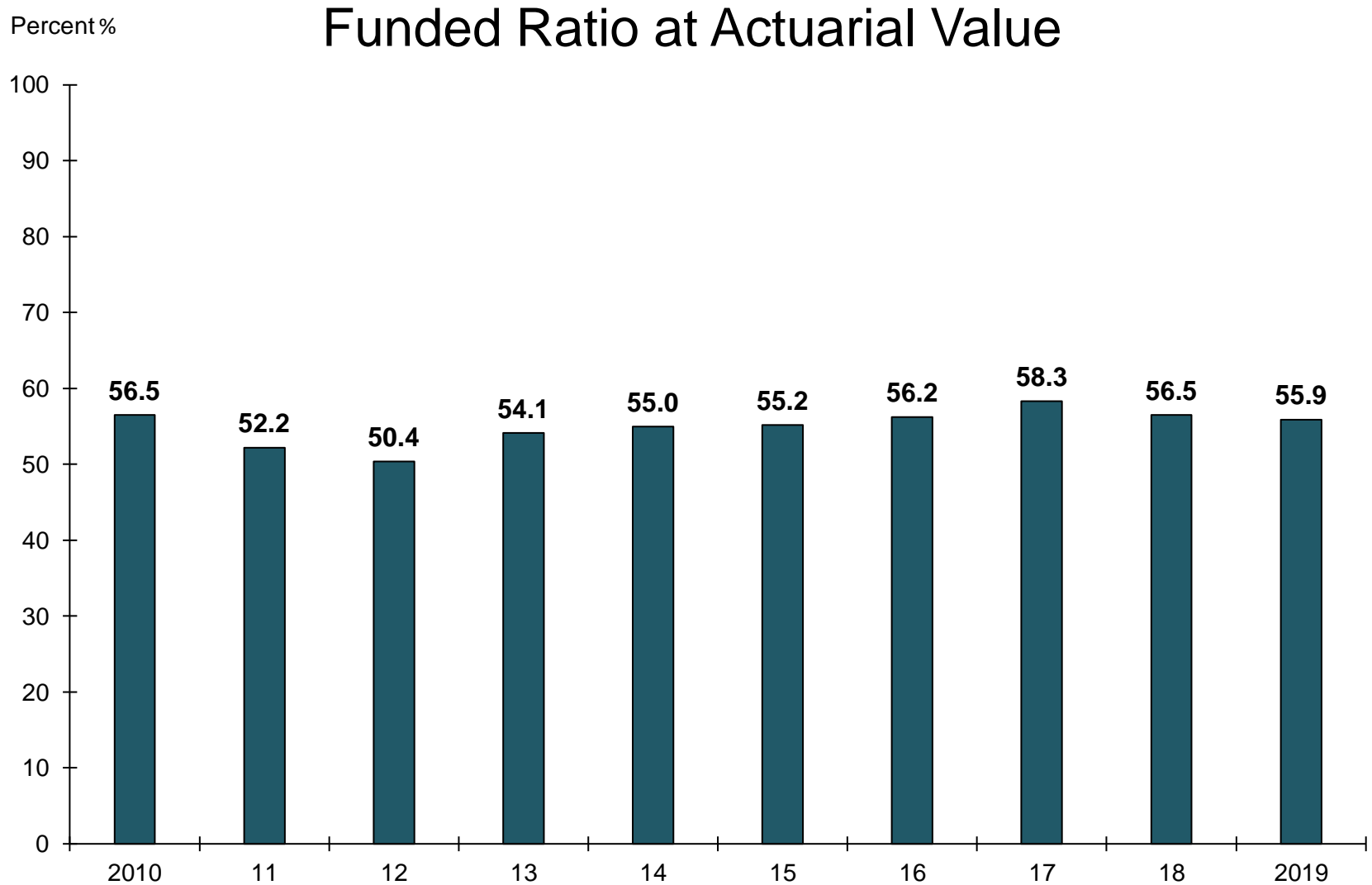


Actuarial Value of Assets and Liabilities





Funded Ratio





District Retirement Obligations

As of December 31, 2019

Actuarial Value of Assets	\$1.49 billion
Total Actuarial Liability	\$2.67 billion
Funded Ratio	55.9%
2020 Actuarially Determined Contribution	\$77.4 million
2021 Expected Employer Contribution	\$88.1 million