



DEPARTMENT OF WATER MANAGEMENT
CITY OF CHICAGO

MEMORANDUM

To: The Honorable Pat Dowell
Chairman, Committee on the Budget and Government Operations

From: Randy Conner
Commissioner
Department of Water Management

CC: Tiffany Sostrin
Mayor's Office of Intergovernmental Affairs

Date: October 30, 2019

Re: Request for Information from Annual Appropriation Committee Hearing

ID#: 88-01 Number of 311 calls involving other utility work

The information below is in response to a question posed at our department's hearing on October 29, 2019 to present the proposed 2020 budget.

Alderman Mitts asked for the number of 311 calls made for water issues related to other utility work.

The Department of Water Management does not receive 311 calls for water issues related to other utilities. Notification of damages to the water or sewer systems are received through 811. For January through September 2019, there were 101 notifications of damage to the water and sewer system by other utilities.

As always, please let me know if you have any further questions.



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From: Randy Conner
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Mayor's Office of Intergovernmental Affairs

Date: October 30, 2019

Re: Request for Information from Annual Appropriation Committee Hearing

ID#: 88-02 Potential Lost Revenue For Order Stopping All Water Shut Offs

The information below is in response to a question posed at our department's hearing on October 29, 2019 to present the proposed 2020 budget.

Alderman Mitts requested the Department of Water Management (DWM) provide the estimated revenue impact of suspending water shut-offs. This process performed by DWM is a two-step process, posting notification for shut-off and then actual water shut-off.

The average annual revenue from 2015 to 2018 generated by posting properties for shut-off was \$13,892,598. In 2019, prior to the water shut-off moratorium, \$2,302,388 was collected when properties were posted for shut-off. The estimated decrease in posting revenue for 2019 is \$11,590,210.

The average annual revenue from 2015 to 2018 generated by actual water shut-offs was \$3,563,287. The estimated decrease in shut-off revenue for 2019 is \$3,563,287.

As always, please let me know if you have any further questions.



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Date: October 30, 2019

Re: Request for Information from Annual Appropriation Committee Hearing

ID#: 88-03 Number of Lead Testing Kits Sent Per Ward

The information below is in response to a question posed at our department's hearing on October 29, 2019 to present the proposed 2020 budget.

Alderman Thompson requested the number of lead testing kits that were sent out per ward.

The lead test kits sent out in each ward are reflected in the list attached hereto.

As always, please let me know if you have any further questions.

Ward	Kits Mailed	Ward	Kits Mailed
1	1502	27	629
2	1051	28	556
3	687	29	828
4	787	30	896
5	1038	31	611
6	730	32	2173
7	788	33	1483
8	1156	34	987
9	1071	35	1098
10	835	36	645
11	1060	37	448
12	422	38	1602
13	1148	39	2059
14	593	40	1784
15	268	41	2398
16	395	42	615
17	576	43	1712
18	1112	44	1628
19	3797	45	2183
20	373	46	1008
21	953	47	2500
22	340	48	1211
23	896	49	994
24	268	50	1104
25	776		
26	827		



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Re: Request for Information from Annual Appropriation Committee Hearing

ID#: 88-04 Dollar Amount Spent On Contractors for DWM-Related Purposes

The information below is in response to a question posed at our department's hearing on October 29, 2019 to present the proposed 2020 budget.

Alderman Taylor requested the dollar amount spent on contractors for DWM-related purposes.

The total amount spent across all funds was \$548,620,519 from September 1, 2018 to August 30, 2019.

As always, please let me know if you have any further questions.



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Re: Request for Information from Annual Appropriation Committee Hearing

ID#: 88-05 Legality of Contract Provisions for Outside Contractors

The information below is in response to a question posed at our department's hearing on October 29, 2019 to present the proposed 2020 budget.

Alderman Vasquez inquired whether DWM contracts with private contractors may include a requirement that the contractors meet with the residents on respective projects.

This inquiry is best suited to be addressed by the Department of Procurement Services (DPS) and the Department of Law (DOL). DWM will work with DOL and DPS about this option on future applicable bid opportunities.

As always, please let me know if you have any further questions.



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Re: Request for Information from Annual Appropriation Committee Hearing

ID#: 88-06 DWM Recommendations for Increasing Minority (Latino) Hiring

The information below is in response to a question posed at our department's hearing on October 29, 2019 to present the proposed 2020 budget.

Alderman Vasquez requested the recommendations for increasing minority (Latino) hiring at the Department of Water Management (DWM).

Our trade employees make up most of our workforce, and since there is a very strict hiring plan under the Shakman Accord, DWM has met and had discussions with DHR's Diversity Officer. In discussions with the Diversity Officer, DWM has recommended DHR approach the unions and look at how they are recruiting for their apprenticeship programs. The people hired into trades positions are usually union members. Once they are hired by the City, they become the pool of applicants when it comes time for promotions.

For positions that are open to the general public, DWM always looks at different sites where the job announcement can be posted in order to capture a more diverse group of candidates. We have posted on different professional groups/associations websites, schools, and alumni groups. In addition, we also send members of our department to attend job fairs with our DHR Recruiter to answer questions and provide information about our department or specific titles.

As always, please let me know if you have any further questions.



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Re: Request for Information from Annual Appropriation Committee Hearing

ID#: 88-07 DWM Summary of Expired Private Drain Contract

The information below is in response to a question posed at our department's hearing on October 29, 2019 to present the proposed 2020 budget.

Alderman Martin requested DWM information regarding an expired private drain contract.

In March of 2015, the City awarded two contracts to Pan-Oceanic Engineering Co., one for the north area and one for the south area of the City. These contracts contained a term of two years plus an option year. These contracts expired in fall of 2018. The work associated with these contracts was exclusive to the repair of private drains within the public way. The procurement process for new contracts was initiated during Q1 of 2018 and bids were received. However, these bids were rejected due to an error in the bidding documents. The bidding documents were revised and rebid during the summer of 2019 for which remains an open procurement.

As always, please let me know if you have any further questions.



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ID#: 88-08 Inquiry on General Superintendent Experience

The information below is in response to a question posed at our department's hearing on October 29, 2019 to present the proposed 2020 budget.

Alderman Moore inquired about the DWM General Superintendent necessary construction supervisory experience.

Requirements for the General Superintendent include five years of management/supervision of operations involving multiple crews performing water main or sewer pipeline repair, maintenance or new construction installation work.

As always, please let me know if you have any further questions.



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Re: Request for Information from Annual Appropriation Committee Hearing

ID#: 88-09 Contractor Re-Performance of Term Agreement Water Main Installation Work

The information below is in response to a question posed at our department's hearing on October 29, 2019 to present the proposed 2020 budget.

Alderman Lopez requested information on the contractor re-performance of work and the cost of such re-performance of work.

Pursuant to the Department of Water Management's Terms and Conditions for Term Agreement Water Main Construction Contract – Book 1, the contractor must observe and comply with all laws whether or not such laws appear in the contract. Such laws include but are not limited to the water main and sewer separate requirements of the Municipal Code of the City of Chicago, and Title 35 of the Illinois Administrative Code on Public Water Supplies as required by the Illinois Environmental Protection Agency.

“Upon discovery of any defective or non-conforming work, or when directed in writing by the Commissioner” the contractor must “re-perform, correct, or remove all work identified to be defective or as failing to conform to the standards set forth in, or any requirement of the Contract, whether completed or not completed”. The contractor bears all costs and expenses of such corrective work. Additionally, the contractual terms provide that “neither the determination of Final Completion and Acceptance of the Work, nor payment, nor any provisions in the Contract will relieve” the contractor of responsibility for defective or non-conforming work.

Further, in accordance with the Technical Specifications set forth in Book 3 of the Term Agreement Water Main Construction Contract, the presence of the Commissioner, or any inspector(s) shall not relieve the contractor of the responsibility of proper execution of the work in accordance with the contract.

As such, the costs and expenses of contractor re-performance work shall be borne solely by the contractor.

As always, please let me know if you have any further questions.



Average WO Cost by Type

From: Jan 1, 2019 To: Nov 1, 2019



WO Type	Ave Cost
ASSISTOTHERDEPT	\$629.33
BROKENWATERMAIN	\$9,470.85
CHECKVALVE	\$1,242.34
CUSTODIANINSTALL	\$1,154.27
CUTANDSEAL	\$3,516.41
DEFECTIVEBBOX	\$3,116.51
DEFECTIVEBBOXFS	\$4,899.60
DIGTAP	\$5,711.84
FROZENSERVICE	\$4,757.80
GRADEBBOX	\$1,083.23
HYDJERKSTEM	\$1,143.80
HYDRANTCAPMISSING	\$422.49
HYDRANTDAMAGED	\$1,312.06
HYDRANTFROZEN	\$639.14
HYDRANTHIT	\$6,459.56
HYDRANTMISSPORT	\$956.56
HYDRANTOPEN	\$918.71
LEAKATHYDRANT	\$3,015.64
LEAKINCWALK	\$5,082.52
LEAKINMETER	\$3,866.27
LEAKINPARKWAY	\$3,596.28
LEAKINSTREET	\$6,578.90
LEAKINVALVEBASIN	\$3,573.37
NOISEONSERVICE	\$4,074.30
NOWATER	\$3,493.22
OUTOFSERVICEHYDRANT	\$4,870.98
PRIVATE DRAIN REPAIR	\$5,981.13
PULLEDSERVICE	\$3,119.54
RAISELOWERMETERTOGRA	\$3,400.76
RAISELOWERMETERVAULT	\$3,360.42
REPAIRCATCHBASINGUTT	\$3,113.81
REPAIRCATCHBASINOUTL	\$4,577.82
REPAIRINALLEY	\$4,391.30
REPAIRMAINSEWER	\$6,247.41
REPAIRMANHOLE	\$5,493.80
REPAIRREPLACEVALVE	\$4,014.41
REPAIRVALVE	\$1,294.88
REPLACEVALVE	\$6,932.55
RESTOREPARKWAY	\$1,254.66
RESTORESTREET	\$308.83
RESTOREVALVEBASIN	\$4,604.22
SERVICETERMINATED	\$5,538.74
STEAMERREQ	\$319.58
THAWRIGREQ	\$10,094.64

VALVEREPAIR	\$4,499.72
VALVEREPLACEMENT	\$15,982.53
WATERMISC	\$6,674.39
WATER DEPARTMENT INVESTIGATIONS	\$130.13

* These costs change on a daily basis based of productivity



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Date: November 14, 2019

Re: Request for Information from Annual Appropriation Committee Hearing

ID#: 88-10 Average Cost of Government

The information below is in response to a question posed at our department's hearing on October 29, 2019 to present the proposed 2020 budget.

Alderman Lopez is putting together a spreadsheet regarding the average cost of government and requested the average cost of requests for handling the various matters for DWM investigations and completions such as repairs and restores.

The itemized list of average costs for such investigations and completions is attached hereto.

Please let me know if you have any further questions.



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From: Jan 1, 2019 To: Nov 1, 2019



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CC: Tiffany Sostrin
Mayor's Office of Intergovernmental Affairs

Date: October 30, 2019

Re: Request for Information from Annual Appropriation Committee Hearing

ID#: 88-11 Budget

The information below is in response to a question posed by Alderman Villegas at the Department's hearing on October 29, 2019 to present the proposed 2020 budget.

Alderman Villegas requested an explanation of the relationship between the DWM 2020 budget and the lead service line replacement strategies.

The City has hired the engineering firm of CDM Smith to assist DWM in developing recommendations, timing, sequencing, and funding opportunities for a potential service line replacement program. We are currently awaiting the results of this report.

As always, please let me know if you have any further questions.



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Date: October 30, 2019

Re: Request for Information from Annual Appropriation Committee Hearing

ID#: 88-12 CDBG Grant

The information below is in response to a question posed by Alderman Villegas at the Department's hearing on October 29, 2019 to present the proposed 2020 budget.

Alderman Villegas requested an explanation of the purpose of the \$5 Million CDBG grant going to the Commissioner's office.

This CDBG funding has been identified for possible repair or replacement of water service lines in low to moderate income neighborhoods.

As always, please let me know if you have any further questions.



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Date: October 30, 2019

Re: Request for Information from Annual Appropriation Committee Hearing

ID#: 88-13 Status of MeterSave Program and Registration for Program

The information below is in response to a question posed at our department's hearing on October 29, 2019 to present the proposed 2020 budget.

Alderman Tunney requested the following regarding the MeterSave Program, including information regarding if residents will need to re-register once the program is reinstated.

DWM's MeterSave program was paused at the end of June 2019. We do not have a tentative date of reinstatement at this time.

Anyone who is currently registered for the MeterSave program will not be required to re-register once the program resumes, and installations will continue where we left off.

As always, please let me know if you have any further questions.



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Re: Request for Information from Annual Appropriation Committee Hearing

ID#: 88-14 Average Estimate for Non-Metered Billing

The information below is in response to a question posed at our department's hearing on October 29, 2019 to present the proposed 2020 budget.

Alderman Tunney requested the average estimate of non-metered billing for single-family, two-flat and three-flat properties without any commercial units.

The Department of Water Management defers to the Department of Finance on the issue of water billing estimates.

As always, please let me know if you have any further questions.



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Re: Request for Information from Annual Appropriation Committee Hearing

ID#: 88-15 Water Quality – Lead Testing

The information below is in response to a question posed at our department's hearing on October 29, 2019 to present the proposed 2020 budget.

Alderman Tunney requested information regarding the average time it takes residents to receive their water quality lead test kits, what percent of returned kits are tested citywide and in the 44th ward and the status of lead test kit results that were issued to customers signing up for the SmartMeter post meter installation.

Currently the time to mail lead testing kits is an average of 27 days due to the high demand from postcards and robo-emails. Before the outreach was done in June 2019, the time for mailing kits was an average of four days.

Looking at the entire program from 2016 to current, the average percent of returned kits is 27.8 percent. In the 44th ward, the average percent is 33.5 percent.

DWM believes that this refers to the Water Quality Study (field research) that included lead testing before and after water meter installation. Seasonal testing over time has continued at the homes that were part of the study, but due to the lack of new water meter installations, there has been no new participants in the study. Participants have been notified of their results and those results are posted on chicagowaterquality.org.

As always, please let me know if you have any further questions.



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ID#: 88-16 Sewer Lining Projects

The information below is in response to a question posed at our department's hearing on October 29, 2019 to present the proposed 2020 budget.

Alderman Tunney requested information regarding who oversees the sewer lining projects and contractors.

DWM utilizes Contact Chief Engineer of Sewers, Brendan Schreiber, brendan.schreiber@cityofchicago.org.

As always, please let me know if you have any further questions.



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ID#: 88-17 DWM Relationship with IEPA

The information below is in response to a question posed at our department's hearing on October 29, 2019 to present the proposed 2020 budget.

Alderman Cardenas asked what DWM's engagement and communication with IEPA looks like since IEPA records and reports Combined Sewer Overflow events.

Per IEPA requirements, the public must be notified when sewer outfall events occur. Through collaboration with the Metropolitan Water Reclamation District of Greater Chicago ("MWRD"), MWRD maintains a notification program that documents all discharge occurrence on their website and allows for email/text notifications. This program includes all monitored outfalls owned by the City. MWRD submits quarterly discharge monitoring reports to IEPA on behalf of the City. For three specific outfalls, the City of Chicago is required to submit additional water quality information via IEPA's NetDMR website.

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Date: October 30, 2019

Re: Request for Information from Annual Appropriation Committee Hearing

ID#: 88-18 DWM Educating Public on Water Consumption

The information below is in response to a question posed at the Department's hearing October 29, 2019 to present the proposed 2020 budget.

Alderman Cardenas asked what investments DWM is making to educate the public on water quality consumption habits.

DWM's website on water conservation and management educates the public on conserving water through suggested time-controlled lawn watering, conservation and use of rainwater for lawn and garden watering, utilization of low water level features when running the dishwasher, and the suggested repair of dripping faucets and leaky toilets -- a leaky toilet wastes more than 50 gallons of water per day.

The Department of Water Management's website on water conservation and management may be accessed at:

https://www.chicago.gov/city/en/depts/water/supp_info/conservation.html

Additionally, DWM has several facets to the public outreach on water usage and flushing. First, recent DWM research is showing that water usage within a household is a significant factor in lead levels. The best practice for optimizing corrosion control within homes is to flush for 5 minutes after the water has been stagnant for 6 hours or more. This replenishes the phosphate coating within lead pipes.

Further, recent research has shown a more intensive 30 minutes flush should be performed after construction on water pipes. To that end, DWM has updated the Flushing Flyers distributed to residents after construction to encourage this new 30 min. flushing. While water conservation is important, a balance must be struck between water conservation and water quality. Flushing does not have to be done at the kitchen faucet. It can be achieved through such activities as showering, doing dishes, or flushing the toilet.

Second, when a customer's lead testing kit shows elevated lead levels, a free follow up investigation is offered to help determine mitigation strategies. One of the often-recommended strategies is regular flushing. This information is mailed to the customer and is also communicated in a phone conversation with a Sanitary Engineer.

Third, a section of DWM's website www.chicagowaterquality.org has been dedicated to flushing and has the intensive 30 min. flushing Flyer posted in both English and Spanish. Postcards and emails were sent to over 200,000 customers in recent months that advised customers to go to the flushing section of www.chicagowaterquality.org for further instructions on flushing.

Lastly, the Department of Water Management is a partner with the United States Environmental Protection Agency's WaterSense program and a founding member of the Alliance for Water Efficiency to keep aware of the best practices for water conservation and the promotion of water efficiencies nationwide.

As always please let me know if you have any further questions.



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Re: Request for Information from Annual Appropriation Committee Hearing

ID#: 88-19 Drinking Water - Lead

The information below is in response to a question posed at our department's hearing on October 29, 2019 to present the proposed 2020 budget.

Alderman Cardenas asked for information regarding the number of personnel that deal with monitoring the lead pipe issue, as well as confirmation that all lead public water mains have been replaced. The Alderman also requested information on lead testing at all municipal and sister agency buildings, the status of the MeterSave program, the results of the CDM study, and time to administer lead tests.

DWM Water Quality Surveillance Section (WQSS, ~11 people) oversees lead programs along with subject matter experts and consultants for research. Chicago is running one of the largest lead research programs in the country. Dr. Andrea Putz, Deputy Commissioner over the Bureau of Water Supply, oversees the WQSS and attended the Budget Hearing.

Water mains are not composed of lead. Lead is found in service lines connecting water mains to homes.

DWM is unaware of lead testing at the Cultural Center, City Hall, or at Chicago Public Libraries. However, it should be noted that lead service lines are 2 inches in diameter or smaller, and larger buildings are generally served by larger diameter service lines. The Chicago Park District has performed their own annual lead testing of their drinking fountains.

The MeterSave Program is currently paused pending a solution, not discontinued. MeterSave is still accepting registrations for the time when the program is continued, as the splash page on www.metersave.org states. Advertising on CTA trains and buses date back to before the program pause.

The Lead Service Line plan from CDM Smith is not yet final. The current administration is being given a chance to review the report before publication.

The current average time once DWM receives a kit from a customer is 4-6 weeks. The breakdown is as follows:

1. Ship a lead kit to a resident: 27 days (given current high demand from postcards, was an average of 4 days before postcards were sent out).
2. Receive a lead kit from a resident: depends on how long customer takes to fill out kit
3. Kit Intake, Review, and Shipment to 3rd party lab: less than 7 days
4. Receive results from lab: 21 to 28 days
5. Print and mail letter: 5 days

Limitations include the availability of bottles for lead testing kits that are provided by the laboratory (they are in high demand nation-wide), DWM capacity to process returned kits, and 3rd party laboratory capacity.

Public outreach on both lead testing kits and filters has been extensive including letters, postcards, emails to over 200,000 customers and in-person booths at over 35 aldermanic and community events within at least 16 different wards.

As always, please let me know if you have any further questions.



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Re: Request for Information from Annual Appropriation Committee Hearing

ID#: 88-20 Drinking Water - Affordability

The information below is in response to a question posed at our department's hearing on October 29, 2019 to present the proposed 2020 budget.

Alderman Cardenas asked for responses to questions involving the new Utility Billing Relief Program.

The Department of Finance is the point City department managing the new Utility Billing Relief Program. The Department of Water Management will coordinate and offer assistance to the Department of Finance and its efforts to successfully launch this new program. Questions regarding the details of the new program should be directed to the Department of Finance.

As always, please let me know if you have any further questions.



DEPARTMENT OF WATER MANAGEMENT
CITY OF CHICAGO

MEMORANDUM

To: The Honorable Pat Dowell
Chairman, Committee on the Budget and Government Operations

From: Randy Conner
Commissioner
Department of Water Management

CC: Tiffany Sostrin
Mayor's Office of Intergovernmental Affairs

Date: October 30, 2019

Re: Request for Information from Annual Appropriation Committee Hearing

ID#: 88-21 Wastewater Treatment Plants - Energy

The information below is in response to a question posed at our department's hearing on October 29, 2019 to present the proposed 2020 budget.

Alderman Cardenas asked for information regarding how much energy is required to run the WWTPs (Wastewater Treatment Plants) in Chicago.

The Metropolitan Water Reclamation District of Greater Chicago owns and operates the WWTPs that serve the City of Chicago.

As always, please let me know if you have any further questions.



DEPARTMENT OF WATER MANAGEMENT
CITY OF CHICAGO

MEMORANDUM

To: The Honorable Pat Dowell
Chairman, Committee on the Budget and Government Operations

From: Randy Conner
Commissioner
Department of Water Management

CC: Tiffany Sostrin
Mayor's Office of Intergovernmental Affairs

Date: October 30, 2019

Re: Request for Information from Annual Appropriation Committee Hearing

ID#: 88-22 Sewer System

The information below is in response to a question posed at our department's hearing on October 29, 2019 to present the proposed 2020 budget.

Alderman Cardenas asked for information regarding how many Combined Sewer Outflows occur in Chicago monthly and annually, what investments are planned to address sewer overflows and fund/implement green stormwater infrastructure, and when CSO's occur, where exactly do the contaminants go?

The City of Chicago owns 184 outfalls. The Metropolitan Water Reclamation District of Greater Chicago ("MWRDGC") monitors 73 of the 184 per IEPA's requirements. For these monitored locations, DWM has data from 2010 through 2017 which yield an average annual occurrence of 680 overflows per year and approximately 57 overflows per month. These outfalls are located city-wide.

What investments are planned to address sewer overflows and fund/implement green stormwater infrastructure?

- Prevent debris from entering the system – ADA lids, street sweeping, cover catch basins during capital construction projects, grease traps in restaurants, illegal dumping investigations.

- Decrease stormwater flow into the system – Rainblockers in catch basins, green infrastructure installations, downspout disconnection, regulated developments.
- Maximize storage in system – upsize pipes through sewer main improvement program, sewer cleaning through 311 calls, Blitz program, and sewer lining.
- Green Infrastructure: From 2014 through 2019, DWM completed 23 projects for a total of \$11,783,000. These include 4 porous asphalt street restoration in conjunction with new sewer projects, 1 Park District parking lot transformation project, 14 green schoolyards in conjunction with CPS and MWRDGC, and 4 streetscape/roadway improvement/neighborhood greenway projects with CDOT.

The City's sewer system is designed to convey sewage and stormwater to MWRDGC's interceptors, which then transports the combined product to MWRDGC's wastewater treatment facilities. When storm events occur and the existing system cannot handle the added load from the rain, excess flows backup to MWRDGC's Tunnel and Reservoir Plan ("TARP") system. During larger storm events when TARP cannot handle these additional loads, the combined sewage may discharge to rivers in Chicago to relieve pressure on the sewer system. Depending on where the impact of the storm was greatest in the City, a discharge can occur wherever a CSO outfall is located.

As always, please let me know if you have any further questions.



DEPARTMENT OF WATER MANAGEMENT
CITY OF CHICAGO

MEMORANDUM

To: The Honorable Pat Dowell
Chairman, Committee on the Budget and Government Operations

From: Randy Conner
Commissioner
Department of Water Management

CC: Tiffany Sostrin
Mayor's Office of Intergovernmental Affairs

Date: October 30, 2019

Re: Request for Information from Annual Appropriation Committee Hearing

ID#: 88-23 Waterways

The information below is in response to a question posed at our department's hearing on October 29, 2019 to present the proposed 2020 budget.

Alderman Cardenas asked for information regarding why water does not eventually cycle back to Lake Michigan, what is being done to address heavy materials in the City's rivers, zoning around waterways shifting away from industrial corridors and if there is a change in the types of contaminants filtered out of drinking water in the last 40 years.

Beginning in 1855, Chicago's sewers were constructed to drain to the Chicago River which drained into Lake Michigan. Toward the end of the 19th century as the population of Chicago grew, the need to protect the water quality of Lake Michigan Chicago resulted in the Sanitary District of Chicago constructing the Chicago Sanitary and Ship Canal. This man-made canal allowed for the Chicago River to flow into the Des Plaines River and ultimately draining into the Mississippi River Basin. This reversal of the Chicago River was before the time of waste water treatment plants and a necessary engineering accomplishment to protect Lake Michigan's water quality and drinking water supply for the City of Chicago.

In 2011 DWM updated sewer standards to require the use of ADA catch basin lids for all new or repaired catch basins. These lids are designed to keep larger debris from entering our sewer system that during heavy rain events can enter the rivers. In addition, DWM performs sewer cleaning through 311 calls, blitz programs, and sewer lining.

Whether industrial or other use, stakeholders need to be good stewards of the waterways.

There is no change in the types of contaminants filtered out of drinking water over the last 40 years. This is largely because the water quality of Lake Michigan is relatively stable, with the main fluctuating variable over time being turbidity (a measure of cloudiness). Turbidity has changed over the years as various invasive mussels (zebra mussel in the late 90's, quagga mussel now) change the ecosystem of algae in the lake.

It should be noted, however, that there have been significant changes in EPA water regulations and detection of contaminants. DWM is always staying current on proactive monitoring for any new contaminants (chromium 6, endocrine disrupting compounds, etc) as you can see from the water quality reports on our website. These compounds have always been in Lake Michigan, but our ability to detect them has grown over time.

Please let me know if you have any further questions.



DEPARTMENT OF WATER MANAGEMENT
CITY OF CHICAGO

MEMORANDUM

To: The Honorable Pat Dowell
Chairman, Committee on the Budget and Government Operations

From: Randy Conner
Commissioner
Department of Water Management

CC: Tiffany Sostrin
Mayor's Office of Intergovernmental Affairs

Date: October 30, 2019

Re: Request for Information from Annual Appropriation Committee Hearing

ID#: 88-24 Volume of Water Supplied to Chicago and Suburbs

The information below is in response to a question posed at our department's hearing on October 29, 2019 to present the proposed 2020 budget.

Alderman Ervin asked for the volume of water being supplied to the City of Chicago and suburbs.

The respective volumes supplied are as follows:

For the period October 1, 2018 to September 30, 2019:

Total Usage, Billion Gallons

City = 151
Suburbs = 92
Total = 243

Average Daily Usage, Million Gallons

City = 415
Suburbs = 252
Total = 667

As always, please let me know if you have any further questions.



DEPARTMENT OF WATER MANAGEMENT
CITY OF CHICAGO

MEMORANDUM

To: The Honorable Pat Dowell
Chairman, Committee on the Budget and Government Operations

From: Randy Conner
Commissioner
Department of Water Management

CC: Tiffany Sostrin
Mayor's Office of Intergovernmental Affairs

Date: October 30, 2019

Re: Request for Information from Annual Appropriation Committee Hearing

ID#: 88-25 Parkway Restoration

The information below is in response to a question posed at our department's hearing on October 29, 2019 to present the proposed 2020 budget.

Alderman Martin asked for an explanation as to why parkway restoration takes so long.

Pursuant to contracts terms, the contractor has 30 days to complete. Typically for a parkway restoration the contractor has been taking 25 to 30 days to restore depending on the weather.

As always, please let me know if you have any further questions.



DEPARTMENT OF WATER MANAGEMENT
CITY OF CHICAGO

MEMORANDUM

To: The Honorable Pat Dowell
Chairman, Committee on the Budget and Government Operations

From: Randy Conner
Commissioner
Department of Water Management

CC: The Honorable Pat Dowell, Chairman
Committee on the Budget and Government Operations

Date: December 4, 2019

Re: Request for Information – 2020 Budget

ID: 88-26 Requests

The information below is in response to questions submitted by Alderman Reilly regarding the Department's hearing on October 29, 2019 to present the proposed 2020 budget.

Alderman Reilly requested the Department of Water Management provide the following:

- Changes in headcount projected for 2020
There are no changes to the headcount projected for 2020.
- Number of funded vacancies and breakdown for 2020
Please see attached vacancy report – Exhibit A.
- Number of vacancies being cut – what positions (job titles) are being eliminated
Please see attached summary of eliminated vacancies – Exhibit B.
- Description of outsourced services projected for 2020
None

- List of savings and cost-efficiencies due to zero-based budgeting
Please see attached summary of DWM's efficiencies due to zero-based budgeting – Exhibit C.

Please let me know if you have any further questions.

EXHIBIT A

**Number of funded vacancies and breakdown for 2020
(See attached)**

CURRENT 2020 RECOMMENDED VACANCIES

10/17/2019

DEPARTMENT: DEPARTMENT OF WATER MANAGEMENT

DEPT	FUND	DIV	SECT	SUB-SECTION	SCH	GRADE	TITLE CODE	TITLE DESCRIPTION	#	SALARY	SALARY TYPE
088	0200	2005	3003	0	BX	15	0802	Executive Administrative Assistant II	1	58,968.00	Annual
088	0200	2005	3005	0	3	0	1430	Policy Analyst	1	75,408.00	Annual
088	0200	2005	3005	0	G	9	5535	Water Research Specialist	1	90,276.00	Annual
088	0200	2005	3010	0	3	0	0705	Director of Public Affairs	1	114,528.00	Annual
088	0200	2005	3010	0	BX	16	3076	Coordinator of Community Services	2	64,704.00	Annual
088	0200	2005	3015	0	3	0	1645	Associate Staff Attorney	1	60,000.00	Annual
088	0200	2005	3075	0	3	0	0289	Safety Administrator	1	97,392.00	Annual
088	0200	2005	3075	0	B	12	0303	Administrative Assistant III	2	51,732.00	Annual
088	0200	2010	3065	0	BX	16	1304	Supervisor of Personnel Services	1	64,704.00	Annual
088	0200	2010	3072	0	G	6	0103	Accountant III	1	67,524.00	Annual
088	0200	2010	3072	0	G	7	0104	Accountant IV	1	74,568.00	Annual
088	0200	2015	3105	0	3	0	5632	Coordinating Engineer II	1	115,656.00	Annual
088	0200	2015	3110	0	3	0	5630	Coordinating Engineer I	1	112,248.00	Annual
088	0200	2015	3116	4001	2	2235	2235	Assistant Chief Plumbing Inspector	1	9,929.02	Monthly
088	0200	2015	3116	4001	2	2237	2237	Chief Plumbing Inspector	1	11,240.40	Monthly
088	0200	2015	3116	4001	2	2231	2231	Plumbing Inspector	2	9,188.50	Monthly
088	0200	2015	3121	4003	3	0	5615	Civil Engineer V	3	90,276.00	Annual
088	0200	2015	3121	4003	G	6	5612	Civil Engineer II	1	67,524.00	Annual
088	0200	2020	3203	0	3	0	0310	Project Manager	2	99,624.00	Annual
088	0200	2020	3205	0	3	0	5648	Water Quality Manager	1	120,348.00	Annual

CURRENT 2020 RECOMMENDED VACANCIES

10/17/2019

DEPARTMENT: DEPARTMENT OF WATER MANAGEMENT

DEPT	FUND	DIV	SECT	SUB-SECTION	SCH	GRADE	TITLE CODE	TITLE DESCRIPTION	#	SALARY	SALARY TYPE
088	0200	2020	3205	0	3	0	5647	Director of Water Quality Surveillance	2	116,820.00	Annual
088	0200	2020	3205	0	B	9	2317	Water Quality Inspector	1	39,180.00	Annual
088	0200	2020	3205	0	G	8	5644	Sanitary Engineer IV	1	82,236.00	Annual
088	0200	2020	3205	0	G	5	3177	Microbiologist II	2	61,320.00	Annual
088	0200	2020	3205	0	G	5	5532	Water Chemist II	3	61,320.00	Annual
088	0200	2020	3205	0	G	6	5642	Sanitary Engineer II	13	67,524.00	Annual
088	0200	2020	3210	0	2	4223	Custodial Worker	1	15.05	Hourly	
088	0200	2020	3210	0	2	7357	Marine Pilot	1	54.05	Hourly	
088	0200	2020	3210	0	2	7398	Deck Hand	1	37.69	Hourly	
088	0200	2020	3210	0	2	7743	Operating Engineer - Group A	1	51.85	Hourly	
088	0200	2020	3210	0	2	4774	Steamfitter	2	49.60	Hourly	
088	0200	2020	3210	0	2	5035	Electrical Mechanic	2	49.35	Hourly	
088	0200	2020	3210	0	2	6674	Machinist	2	48.93	Hourly	
088	0200	2020	3210	0	2	7741	Operating Engineer - Group C	3	49.26	Hourly	
088	0200	2020	3210	0	2	7747	Chief Operating Engineer	3	129,418.00	Annual	
088	0200	2020	3210	0	2	7775	Stationary Fireman	7	35.70	Hourly	
088	0200	2020	3210	0	3	0	6055	Mechanical Engineer V	1	108,960.00	Annual
088	0200	2020	3210	0	G	6	6052	Mechanical Engineer II	2	67,524.00	Annual
088	0200	2020	3215	0	2	4225	Foreman of Custodial Workers	1	18.85	Hourly	
088	0200	2020	3215	0	2	4301	Carpenter	1	48.55	Hourly	

CURRENT 2020 RECOMMENDED VACANCIES

10/17/2019

DEPARTMENT: DEPARTMENT OF WATER MANAGEMENT

DEPT	FUND	DIV	SECT	SUB-SECTION	SCH	GRADE	TITLE CODE	TITLE DESCRIPTION	#	SALARY	SALARY TYPE
088	0200	2020	3215	0	2	4303	4303	Foreman of Carpenters	1	51.05	Hourly
088	0200	2020	3215	0	2	4634	4634	Painter	1	47.30	Hourly
088	0200	2020	3215	0	2	4754	4754	Plumber	1	51.00	Hourly
088	0200	2020	3215	0	2	4774	4774	Steamfitter	1	49.60	Hourly
088	0200	2020	3215	0	2	7741	7741	Operating Engineer - Group C	1	49.26	Hourly
088	0200	2020	3215	0	2	7743	7743	Operating Engineer - Group A	1	51.85	Hourly
088	0200	2020	3215	0	2	7745	7745	Assistant Chief Operating Engineer	1	57.04	Hourly
088	0200	2020	3215	0	2	7775	7775	Stationary Fireman	1	35.70	Hourly
088	0200	2020	3215	0	2	9532	9532	Stores Laborer	1	43.72	Hourly
088	0200	2020	3215	0	2	9592	9592	Foreman of Station Laborers	1	4,617.52	Monthly
088	0200	2020	3215	0	2	5035	5035	Electrical Mechanic	2	49.35	Hourly
088	0200	2020	3215	0	2	6674	6674	Machinist	2	48.93	Hourly
088	0200	2020	3215	0	2	9593	9593	Station Laborer	6	3,884.02	Monthly
088	0200	2020	3215	0	3	0	5517	Chief Filtration Engineer	1	122,772.00	Annual
088	0200	2020	3215	0	B	13	0308	Staff Assistant	1	56,748.00	Annual
088	0200	2020	3215	0	G	7	5518	Filtration Engineer III	3	74,568.00	Annual
088	0200	2020	3215	0	G	6	5528	Filtration Engineer II	4	67,524.00	Annual
088	0200	2020	3215	0	G	5	5532	Water Chemist II	5	61,320.00	Annual
088	0200	2020	3215	0	G	8	5519	Filtration Engineer IV	6	82,236.00	Annual
088	0200	2025	3249	4005	1	0	9679	Deputy Commissioner	1	132,972.00	Annual

CURRENT 2020 RECOMMENDED VACANCIES

10/17/2019

DEPARTMENT: DEPARTMENT OF WATER MANAGEMENT

DEPT	FUND	DIV	SECT	SUB-SECTION	SCH	GRADE	TITLE CODE	TITLE DESCRIPTION	#	SALARY	SALARY TYPE
088	0200	2025	3249	4005	3	0	5985	General Superintendent of Water Management	1	120,348.00	Annual
088	0200	2025	3249	4005	B	10	0302	Administrative Assistant II	1	42,960.00	Annual
088	0200	2025	3257	4009	2	7101	7101	Emergency Crew Dispatcher	1	43.72	Hourly
088	0200	2025	3259	0	B	13	6143	Engineering Technician IV	1	56,748.00	Annual
088	0200	2025	3261	4011	2	4405	4405	Foreman of Bricklayers	1	51.57	Hourly
088	0200	2025	3261	4011	2	8301	8301	Caulker	1	51.00	Hourly
088	0200	2025	3261	4011	2	4401	4401	Bricklayer	2	46.88	Hourly
088	0200	2025	3261	4011	2	7101	7101	Emergency Crew Dispatcher	2	43.72	Hourly
088	0200	2025	3261	4011	2	7183	7183	Motor Truck Driver	2	37.45	Hourly
088	0200	2025	3261	4011	2	4754	4754	Plumber	3	51.00	Hourly
088	0200	2025	3261	4011	2	8352	8352	Assistant District Superintendent	3	9,724.00	Monthly
088	0200	2025	3261	4011	2	8394	8394	Foreman of Water Pipe Construction	3	54.05	Hourly
088	0200	2025	3261	4011	2	7633	7633	Hoisting Engineer	5	51.10	Hourly
088	0200	2025	3261	4011	2	9411	9411	Construction Laborer	9	43.72	Hourly
088	0200	2025	3263	0	2	4754	4754	Plumber	1	51.00	Hourly
088	0200	2025	3263	0	2	8352	8352	Assistant District Superintendent	1	9,724.00	Monthly
088	0200	2025	3263	0	2	9411	9411	Construction Laborer	3	43.72	Hourly
088	0200	2035	3345	0	B	10	0419	Customer Account Representative	1	42,960.00	Annual
088	0200	2035	3345	0	J	13	1061	Water Rate Taker	1	58,488.00	Annual
088	0200	2035	3345	0	J	15	1063	Supervisor of Water Rate Takers	1	70,440.00	Annual

CURRENT 2020 RECOMMENDED VACANCIES

10/17/2019

DEPARTMENT: DEPARTMENT OF WATER MANAGEMENT

DEPT	FUND	DIV	SECT	SUB-SECTION	SCH	GRADE	TITLE CODE	TITLE DESCRIPTION	#	SALARY	SALARY TYPE
088	0200	2035	3345	0	J	13	1062	Water Meter Assessor	2	58,488.00	Annual
088	0200	2035	3350	0	2	2231	2231	Plumbing Inspector	1	9,188.50	Monthly
088	0200	2035	3350	0	2	6676	6676	Foreman of Machinists	1	51.43	Hourly
088	0200	2035	3350	0	2	4754	4754	Plumber	3	51.00	Hourly
088	0200	2035	3350	0	2	6672	6672	Water Meter Machinist	4	44.22	Hourly
088	0200	2035	3350	0	U	10	0417	District Clerk	2	44,280.00	Annual
088	0314	2015	3121	4004	3	0	5615	Civil Engineer V	1	90,276.00	Annual
088	0314	2015	3121	4004	3	0	5630	Coordinating Engineer I	1	112,248.00	Annual
088	0314	2015	3121	4004	3	0	5632	Coordinating Engineer II	1	115,656.00	Annual
088	0314	2015	3121	4004	3	0	5675	Assistant Chief Engineer of Sewers	1	120,348.00	Annual
088	0314	2015	3121	4004	G	7	5613	Civil Engineer III	2	74,568.00	Annual
088	0314	2015	3121	4004	G	6	5612	Civil Engineer II	4	67,524.00	Annual
088	0314	2025	3261	4012	2	4405	4405	Foreman of Bricklayers	1	51.57	Hourly
088	0314	2025	3261	4012	2	8246	8246	Foreman of Construction Laborers	1	44.82	Hourly
088	0314	2025	3261	4012	2	8352	8352	Assistant District Superintendent	1	9,724.00	Monthly
088	0314	2025	3261	4012	2	4406	4406	General Foreman of Bricklayers	2	53.91	Hourly
088	0314	2025	3261	4012	2	7183	7183	Motor Truck Driver	2	37.45	Hourly
088	0314	2025	3261	4012	2	8345	8345	Foreman of Sewer Cleaning	2	54.05	Hourly
088	0314	2025	3261	4012	2	9408	9408	Laborer as Estimator	2	43.72	Hourly
088	0314	2025	3261	4012	2	4403	4403	Sewer Bricklayer	3	46.88	Hourly

CURRENT 2020 RECOMMENDED VACANCIES

10/17/2019

DEPARTMENT: DEPARTMENT OF WATER MANAGEMENT

DEPT	FUND	DIV	SECT	SUB-SECTION	SCH	GRADE	TITLE CODE	TITLE DESCRIPTION	#	SALARY	SALARY TYPE
088	0314	2025	3261	4012	2	7633	7633	Hoisting Engineer	3	51.10	Hourly
088	0314	2025	3261	4012	2	9584	9584	Construction Laborer Sub-Foreman	5	44.52	Hourly
088	0314	2025	3261	4012	2	9411	9411	Construction Laborer	8	43.72	Hourly
088	0314	2025	3261	4012	J	17	8373	District Superintendent of Water Distribution	2	84,792.00	Annual
088	0314	2025	3261	4012	U	13	6304	Safety Specialist-Water Management	1	58,488.00	Annual
088	0314	2025	3359	0	B	13	6143	Engineering Technician IV	1	56,748.00	Annual
088	0314	2025	3363	0	G	8	5614	Civil Engineer IV	1	82,236.00	Annual
088	0314	2025	3364	4364	2	8316	8316	Chief Mason Inspector	1	9,458.80	Monthly
088	0314	2025	3364	4364	2	8315	8315	Mason Inspector	2	8,938.80	Monthly
088	0314	2025	3364	4364	2	2143	2143	House Drain Inspector	3	9,188.50	Monthly

TOTAL VACANCIES 224

EXHIBIT B

**Number of vacancies being cut – what positions (job titles) are being eliminated
(See attached)**

FUND	Org	SECTION / SUB-SECTION	TITLE	SCHD	BARG. UNIT	BASE RATE	VACANCY COUNT #
							REDUCED
0200-WATER FUND	2005	3015-COST RECOVERY	6145- ENGINEERING TECHNICIAN VI	B	1	68,352.00	1
0200-WATER FUND	2010	3065-PERSONNEL/PAYROLL/LABOR	0450-CLERK IV (TIMEKEEPER)	B	1	47,160.00	1
0200-WATER FUND	2010	3072-FINANCE	0104- ACCOUNTANT IV	G	1	74,568.00	1
0200-WATER FUND	2010	3072-FINANCE	0189-ACCOUNTING TECHNICIAN I	B	1	42,960.00	1
0200-WATER FUND	2010	3072-FINANCE	0190-ACCOUNTING TECH II	B	1	47,160.00	1
0200-WATER FUND	2010	3072-FINANCE	0302-ADMINISTRATIVE ASST II	B	1	42,960.00	1
0200-WATER FUND	2010	3072-FINANCE	0431- CLERK IV	B	1	42,960.00	1
0200-WATER FUND	2020	3205-WATER QUALITY	0308-STAFF ASSISTANT	B	1	56,748.00	1
0200-WATER FUND	2020	3205-WATER QUALITY	5642-SANITARY ENGINEER II	G	1	67,524.00	4
0200-WATER FUND	2020	3210-WATER PUMPING	0308-STAFF ASSISTANT	B	1	56,748.00	1
0200-WATER FUND	2020	3210-WATER PUMPING	5035- ELECTRICAL MECHANIC	2	1	102,648.00	1
0200-WATER FUND	2020	3210-WATER PUMPING	6674- MACHINIST	2	1	101,774.40	2
0200-WATER FUND	2020	3215-WATER TREATMENT	1850- SUPV OF INVENTORY CONTROL	B	1	47,160.00	1
0200-WATER FUND	2025	3259-EVALUATIONS	6145-ENGINEERING TECHN VI	B	1	68,352.00	1
0200-WATER FUND	2035	3345-METER SERVICES	0664- DATA ENTRY OPERATOR	B	1	35,688.00	1
0314-SEWER FUND	2025	3359-EVALUATIONS	6142- ENGINEERING TECH III	B	1	47,160.00	1
0314-SEWER FUND	2025	3359-EVALUATIONS	6145- ENGINEERING TECH VI	B	1	68,352.00	1
0314-SEWER FUND	2025	4010-SEWER COMMUNICATIONS	0303-ADMINISTRATIVE ASST III	B	1	51,732.00	1
0314-SEWER FUND	2025	4010-SEWER COMMUNICATIONS	0664-DATA ENTRY OPERATOR	B	1	35,688.00	1
0314-SEWER FUND	2025	3359-EVALUATIONS	5614-CIVIL ENGINEER IV	G	4	82,236.00	1
0200-WATER FUND	2025	4011-WATER SYSTEM INSTALLATION AND	7184-POOL MOTOR TRUCK DRIVER	2	8	77,896.00	6
0200-WATER FUND	2035	3345-METER SERVICES	1061-WATER RATE TAKER	J	16	58,488.00	4
0200-WATER FUND	2025	4011-WATER SYSTEM INSTALLATION AND	4754- PLUMBER	2	16	106,080.00	1
0200-WATER FUND	2025	4011-WATER SYSTEM INSTALLATION AND	8373-D/SUPT WATER DISTRIBUTN	J	16	84,792.00	2
0314-SEWER FUND	2025	4012-SEWER SYSTEM INSTALLATION AND	8343- A/FRM OF SEWER CLEANING	2	16	107,640.00	4
0200-WATER FUND	2020	3215-WATER TREATMENT	7775- STATIONARY FIREMAN	2	23	72,612.80	1
0200-WATER FUND	2035	3350-WATER METER INSTALLATION	6672-WATER METER MACHINIST	2	36	91,977.60	5
0200-WATER FUND	2020	3215-WATER TREATMENT	4636-FOREMAN OF PAINTERS	2	39	110,676.80	1
0200-WATER FUND	2020	3215-WATER TREATMENT	4634-PAINTER	2	39	98,384.00	1
0200-WATER FUND	2025	4011-WATER SYSTEM INSTALLATION AND	7633- HOISTING ENGINEER	2	42	106,288.00	1
0314-SEWER FUND	2025	4012-SEWER SYSTEM INSTALLATION AND	7633-HOISTING ENGINEER	2	42	106,288.00	2
0314-SEWER FUND	2025	4012-SEWER SYSTEM INSTALLATION AND	7635- FRM HOISTING ENGINEER	2	42	110,448.00	1
0200-WATER FUND	2020	3215-WATER TREATMENT	4223- CUSTODIAL WORKER	2	45	31,304.00	1
0314-SEWER FUND	2025	4012-SEWER SYSTEM INSTALLATION AND	4403-SEWER BRICKLAYER	2	49	97,510.40	2
0200-WATER FUND	2005	3075-SAFETY	6328- WATCHMAN	2	53	48,630.40	1
0200-WATER FUND	2010	3065-PERSONNEL/PAYROLL/LABOR	0170- CHIEF TIMEKEEPER	U	53	64,224.00	1
0200-WATER FUND	2025	3263-SYSTEMS INSTALLATIONS	9411-CONSTRUCTION LABORER	2	53	90,937.60	3
0200-WATER FUND	2035	3350-WATER METER INSTALLATION	9411-CONSTRUCTION LABORER	2	53	90,937.60	5
0200-WATER FUND	2025	4007-WATER EQUIPMENT COORDINATION	1860-FOREMAN OF PIPE YARDS	2	53	93,225.60	2

0200-WATER FUND	2025	4011-WATER SYSTEM INSTALLATION AND	7101- EMERGENCY CREW DISPATCHER	2	53	90,937.60	3
0200-WATER FUND	2025	4011-WATER SYSTEM INSTALLATION AND	9411-CONSTRUCTION LABORER	2	53	90,937.60	11
0314-SEWER FUND	2025	4008- SEWER EQUIPMENT COORD	8320- MATERIALS DISPATCHER	2	53	82,236.00	1
0314-SEWER FUND	2025	4006- AGENCY MANAGEMENT	9532- STORES LABORER	2	53	82,236.00	1
0314-SEWER FUND	2025	4010-SEWER COMMUNICATIONS	7101- EMERGENCY CREW DISPATCHER	2	53	82,236.00	1
0314-SEWER FUND	2025	4012-SEWER SYSTEM INSTALLATION AND	9584-CONSTRUCTN LABR SUB-FRNM	2	53	92,601.60	21
0314-SEWER FUND	2025	4012-SEWER SYSTEM INSTALLATION AND	8246-FRM CONSTRUCTN LABORERS	2	53	93,225.60	1
0314-SEWER FUND	2025	4012-SEWER SYSTEM INSTALLATION AND	9411-CONSTRUCTION LABORER	2	53	82,236.00	11
0200-WATER FUND	2025	4012-SEWER SYSTEM INSTALLATION AND	0417-DISTRICT CLERK	U	53	44,280.00	1
							119
							3,577,197.60

Non-Union

0200-WATER FUND	2005	3010-PUBLIC RELATIONS	9813- MGG DPTY COMMISSIONER	EX	00	145,500.00	1
0200-WATER FUND	2020	3215-WATER TREATMENT	5517- CHIEF FILTRATION ENGINEER	SR	00	116,820.00	1
0200-WATER FUND	2035	3345-METER SERVICES	0397- METER SERVICES ANALYST	BX	00	70,272.00	1
0314-SEWER FUND	2025	4006- AGENCY MANAGEMENT	1812- MGR OF WAREHOUSE OPS	BX	00	70,272.00	1
0314-SEWER FUND	2025	4012-SEWER SYSTEM INSTALLATION AND	0311-PROJECTS ADMINISTRATOR	BX	09	76,932.00	1
0200-WATER FUND	2010	3060-PURCHASING	1580- SUPERVISOR OF CONTRACTS	SR	10	90,141.00	1
0200-WATER FUND	2010	3065-PERSONNEL/PAYROLL/LABOR	1327- SUPV OF PERSONNEL ADMIN	BX	10	70,272.00	1
0200-WATER FUND	2010	3060-PURCHASING	1522-PR PURCHASE CONTRACT AD	BX	10	53,736.00	1
0200-WATER FUND	2010	3065-PERSONNEL/PAYROLL/LABOR	0304-ASST TO COMMISSIONER	BX	10	70,272.00	1
0200-WATER FUND	2010	3065-PERSONNEL/PAYROLL/LABOR	0134-FINANCIAL ANALYST	BX	10	58,968.00	1
							10
							823,185.00

Grand Total Cuts

129

EXHIBIT C

**List of savings and cost-efficiencies due to zero-based budgeting
(See attached)**

2020 DWM Zero Budget Based Policy

DWM took the Mayor's zero budget-based policy very seriously, however, because DWM is an enterprise fund, it has always required the divisions to justify their expenditures. The challenge for any infrastructure department is budgeting for the unexpected and keeping costs down while meeting the department's core mission, which in this case is providing water to Chicago residents and 125 suburban communities; as well as transmitting waste water from homes and businesses along with storm water runoff from streets to Water Reclamation system.

As you are aware DWM has been providing free pitchers, filters and lead testing kits while keeping operating costs down.

2020 Department of Water Management List of Cost savings and Cost – Efficiencies due to zero-based budgeting:

Eliminated 82 Vacant positions

2020 Budget Cost Efficiencies – Department of Finance

Establishment of Quarterly Budget Control meeting throughout the year with a focus on divisional spending and vendor payments. The goal is monitoring expenses and vendor invoice payments throughout the year that will result in greater accountability of divisional budgets and timely payments to vendors.

2020 Budget Cost Cutting Efficiencies - Safety Division

- DWM hired 5 new Safety Specialists in 2019 for whom a core function is to ensure employee safety on the job. As a result and given that DWM performs a tremendous amount of excavations, injuries associated with excavations is a major focus. We are increasing job site inspections to ensure safety practices are in place and continuously training crews on proper safety and construction practices. DWM hopes to see a reduction in injuries/Duty Disability claims as a result.
- A review of the Safety division's inventory was completed, and a new system established for greater quality control.
- Safety is working with the districts and pipe yards to identify what construction materials (trench boxes, shoring, etc.) are in stock, its condition, and what needs to be ordered. Preliminary findings indicate that there may be surplus materials that could result in less need to purchase new materials.