



# DuPage Water Commission

600 E. Butterfield Road, Elmhurst, IL 60126-4642  
(630)834-0100 Fax: (630)834-0120

**NOTICE IS HEREBY GIVEN THAT A SPECIAL COMMITTEE OF THE WHOLE MEETING OF THE DUPAGE WATER COMMISSION WILL BE HELD AT 6:00 P.M. ON THURSDAY, FEBRUARY 20, 2020, AT ITS OFFICES LISTED BELOW. THE AGENDA FOR THE SPECIAL COMMITTEE OF THE WHOLE MEETING IS AS FOLLOWS:**

## AGENDA

**DUPAGE WATER COMMISSION  
COMMITTEE OF THE WHOLE  
THURSDAY, FEBRUARY 20, 2020  
6:00 P.M.**

**600 EAST BUTTERFIELD ROAD  
ELMHURST, IL 60126**

- I. Roll Call
- II. Tentative Draft Fiscal Year 2020-2021 Budget
- III. Other
- IV. Adjournment

Board/Agenda/Commission/COW2002.doc

All visitors must present a valid drivers license or other government-issued photo identification, sign in at the reception area and wear a visitor badge while at the DuPage Pumping Station.



**DuPage Water Commission  
Fiscal Year 2020-2021  
Tentative Draft Budget  
May 1, 2020 to April 30, 2021**

**March 1, 2020**



# DuPage Water Commission

## MEMORANDUM

TO: Charter Customers and Bond Trustees

FROM: John Spatz, General Manager

DATE: March 1, 2020

SUBJECT: FY 2020-2021 Tentative Draft Management Budget

The Board of Commissioners is currently reviewing the tentative draft management budget for the fiscal year 2020-2021. It is being sent to you as required by Section 7(L) of the Water Purchase Contract. This draft is subject to further completion of review and adoption by the Board of Commissioners. Please share this information with personnel in your organization involved in the budget process.

This budget is scheduled to be adopted after a charter customer hearing on April 16, 2020 at 6:30 PM. If you have questions regarding the budget, please feel free to call me at (630) 834-0100.

cc:

Chairman & Commissioners	County of DuPage
Argonne National Laboratory	BMO Harris
Illinois American Water	Village of Bartlett
Company	
City of Oakbrook Terrace	
Village of Winfield	

**DuPage Water Commission**  
**Tentative Draft Management Budget**  
**May 1, 2020 to April 30, 2021**  
**Executive Summary**

- With this Tentative Budget for fiscal year 2020-2021, the Commission continues to be a self-sustaining water utility, operating almost entirely on our water sales. The Commission continues to hold the line on spending while maximizing efficiencies.
- On May 13, 2019, the Village of Bartlett became a subsequent customer and started taking their water supply from the Commission. Bartlett will be the Commission's sixth largest customer with an average day demand of approximately 3.2 million gallons per day. The additional revenue the Commission will gain from Bartlett for water sales, capital cost recovery charge (buy-in) and interest should help to minimize future water rate increases for all Commission customers.
- This Tentative Budget for fiscal year 2020-2021, which goes through April of 2021, reflects no increase in the Commission's total water rate. The water rate will remain the same as last fiscal year at \$4.97 per thousand gallons. The Commission, however, anticipated a water rate increase from the City of Chicago based on the increase in the Consumer Price Index from December 2018 to 2019. Their increase is estimated to be 2.45% or \$0.10 per thousand gallons for fiscal year 2020-2021.
- The Commission has done an outstanding job at minimizing water rate increases for our customers. The Commission's total water rate back in January of 2015 was \$4.95 per thousand gallons. Since January 2015 through this proposed budget year, our total water rate has increased only 2 cents per thousand gallons.
- Looking at household affordability for drinking water, an average family of 4 in DuPage County using approximately 10,000 gallons per month, typically have seen their water bills increased by only 20 cents per month due to the Commission's water rates since January of 2015. That's less than one penny per day.
- The Commission has been able to maintain and minimize its water rates since January of 2015, even considering the following:
  - the water rate increases from our supplier, the City of Chicago, which will total \$0.27 per thousand gallons (which includes anticipated increase for this budget year);
  - the loss of approximately \$35M annual revenue with the sunseting of the sales tax in 2016;
  - a decrease in water sales of approximately 3% (even with additional water sales to Village of Bartlett) and
  - a much larger capital plan.

- Total budgeted revenues decrease by \$2.0 million versus the fiscal year 2019-2020 budget. The main drivers are as follows:
  - On May 1, 2020, the total Charter Customer's water rate will remain at \$4.97 per thousand gallons, with operations and maintenance rate being \$4.97 per thousand gallons and fixed cost equivalent remaining at \$0.00 per thousand gallons.
  - The Commission budgeted water sales revenues are expected to decrease based upon the projections and current trends.
  - The interest income is budgeted to increase in due to additional interest income related to the Village of Bartlett project and better rate of return on the Commission's current investments.
  
- Total operating expenses (excluding construction) increase by \$2.0 million versus the fiscal year 2019-2020 budget. The main drivers are as follows:
  - The total budgeted costs for water purchased from the City of Chicago increases from \$105.4 million to \$106.0 million, which is an increase in that expense by \$0.6 million. This amount is based on the expectation of purchasing slightly less water from the City compared to the last fiscal year, offset by a water rate increase from the City based upon the consumer price index from December 2018 to December 2019.
  - Personnel services are budgeted to increase related to wage and salary adjustments, overtime, pension and medical benefits.
  - Professional Services are budgeted to increase related to contractual services for corrosion protection services and additional water conservation programs.
  - Depreciation expenses are budgeted to increase from the previous fiscal year's budget due to recent completion of some capital projects.
  - All capital construction expenditures for fiscal year 2020-2021 have remained separated from operating accounts. The Commission has also included a Five-Year Capital Improvement Plan for 2020-2025.



**DuPage Water Commission  
Fiscal Year 2020-2021  
Tentative Draft Management Budget  
May 1, 2020 to April 30, 2021**

**(with detailed account line items)**

**March 1, 2020**

**BUDGET REPORT**  
**2020-2021 Budget Year**  
**01 WATER FUND**

ACCOUNT NO#	ACCOUNT NAME	UNITS	UNIT COST	ITEM ANNUAL TOTAL	ANNUAL BUDGET
01-511100	<b>O&amp;M PAYMENTS- GOVERNMENTAL</b>				<b>122,269,930.77</b>
	May 2019 - April 2020 \$4.97	97.6	24601596	122,269,930.77	
01-511200	<b>O&amp;M PAYMENTS- PRIVATE</b>				<b>3,006,637.64</b>
	May 2019 - April 2020 \$4.97	2.4	604957	3,006,637.64	
01-512100	<b>FIXED COST PAYMENTS- GOVT</b>				<b>0.00</b>
	Funded by Sales Tax			0.00	
01-512200	<b>FIXED COST PAYMENTS-PRIVATE</b>				<b>0.00</b>
	Funded by Sales Tax			0.00	
01-513100	<b>SUBSEQUENT CUSTOMER - GOVT</b>				<b>2,275,274.88</b>
	Winfield			100,408.80	
	Oakbrook Terrace			31,708.44	
	Du Page County			212,039.76	
	Bartlett			1,931,117.88	
01-513200	<b>SUBSEQUENT CUSTOMER - PRIVATE</b>				<b>509,465.28</b>
	IAWC			346,892.40	
	Argonne Labs			162,572.88	
01-514100	<b>EMERGENCY WATER SERVICE- GOVT</b>				<b>20,725.00</b>
	Annual Fee	1	8,300.00	8,300.00	
	Water Use	2500	4.97	12,425.00	
01-514200	<b>EMERGENCY WATER SERVICE</b>				<b>0.00</b>
01-520000	<b>PROPERTY TAX</b>				<b>0.00</b>
01-530000	<b>SALES TAX</b>				<b>0.00</b>
01-530010	<b>SALES TAXES - WATER REVENUE</b>				<b>0.00</b>
	All receipts until budget met			-	
01-530030	<b>WATER FUND - GENERAL</b>				<b>0.00</b>
	Remaining Receipts until FYE			-	
01-540000	<b>RENTAL INCOME</b>				<b>0.00</b>
01-581000	<b>INVESTMENT INCOME</b>				<b>700,000.00</b>
01-582000	<b>INTEREST INCOME</b>				<b>757,000.00</b>
01-590000	<b>OTHER INCOME</b>				<b>0.00</b>
01-590100	<b>SALE OF EQUIPMENT</b>				<b>0.00</b>
01-592000	<b>CONTRIBUTIONS</b>				<b>0.00</b>
<b>PAGE TOTAL</b>					<b>129,539,033.57</b>
<b>TOTAL REVENUES</b>					<b>129,539,033.57</b> <b>(Credit)</b>

**BUDGET REPORT**  
**2020-2021 Budget Year**  
**01 WATER FUND**

ACCOUNT NO#	ACCOUNT NAME	UNITS	UNIT COST	ITEM ANNUAL TOTAL	ANNUAL BUDGET
01-60-611100	<b>ADMIN SALARIES</b>				<b>1,698,400.00</b>
	Administration	1	1,673,000.00	1,673,000.00	
	Treasurer	12	1,666.67	20,000.00	
	Commissioner	9	600.00	5,400.00	
01-60-611200	<b>OPERATIONS SALARIES</b>				<b>1,955,000.00</b>
	Operations Department	1	772,500.00	772,500.00	
	Pipeline Department	1	617,000.00	617,000.00	
	Instrum/Remote Fac Dept	1	565,500.00	565,500.00	
01-60-611300	<b>SUMMER INTERNS</b>				<b>40,000.00</b>
	Interns	4	10,000.00	40,000.00	
01-60-611600	<b>ADMIN OVERTIME</b>				<b>7,400.00</b>
	less than 1% of Admin Employees	1	7,400.00	7,400.00	
01-60-611700	<b>OPERATIONS OVERTIME</b>				<b>215,050.00</b>
	11% of Oper Payroll	1	215,050.00	215,050.00	
01-60-612100	<b>PENSION</b>				<b>474,109.50</b>
	2021 IMRF Rate Estimate 7.0%			274,109.50	
	Retiree Costs			200,000.00	
01-60-612200	<b>MEDICAL/LIFE BENEFITS</b>				<b>855,104.00</b>
	Blue Cross Blue Shield	8	59,700.00	477,600.00	
	15% Increase for 2021	4	68,655.00	274,620.00	
	Metlife Dental/Vision	8	5,600.00	44,800.00	
	15% Increase for 2021	4	6,440.00	25,760.00	
	Principle Life & ADD	8	1,800.00	14,400.00	
	10% Increase for 2021	4	1,890.00	7,560.00	
	Healthiest You	12	350.00	4,200.00	
	Envision Healthcare	12	60.00	720.00	
	Employee Contribution 20%			(164,556.00)	
	Employer H.S.A Contribution	1	170,000.00	170,000.00	
01-60-612300	<b>FEDERAL PAYROLL TAXES</b>				<b>299,562.53</b>
	Social Security			242,782.70	
	Medicare			56,779.83	
01-60-612800	<b>STATE UNEMPLOYMENT</b>				<b>13,780.00</b>
	Illinois Estimated 2.65% for 2019			13,780.00	
01-60-613100	<b>TRAVEL</b>				<b>10,800.00</b>
	GM Auto Allowance	12	500.00	6,000.00	
	ISTHA Tolls	12	300.00	3,600.00	
	Parking	12	50.00	600.00	
	Non Commission Vehicles			600.00	

PAGE TOTAL

5,569,206.03



**BUDGET REPORT**  
**2020-2021 Budget Year**  
**01 WATER FUND**

ACCOUNT NO#	ACCOUNT NAME	UNITS	UNIT COST	ITEM ANNUAL TOTAL	ANNUAL BUDGET
01-60-613200	<b>TRAINING</b>				<b>55,050.00</b>
	Instrumentation Classes	8	250.00	2,000.00	
	Admin Training	10	350.00	3,500.00	
	O&M Classes	12	250.00	3,000.00	
	Infor Training	3	5,000.00	15,000.00	
	Mgr/Supv Training	5	1,000.00	5,000.00	
	Sharepoint	1	1,800.00	1,800.00	
	Electrical/GIS Training	10	650.00	6,500.00	
	Hach Lab Training	1	2,000.00	2,000.00	
	Incode Training	1	2,000.00	2,000.00	
	Operator/Pipeline Training	4	500.00	2,000.00	
	Webinars	5	250.00	1,250.00	
	NACE Training	1	2,400.00	2,400.00	
	Underground Storage Tank	2	800.00	1,600.00	
	Cyber Security Awareness	1	5,000.00	5,000.00	
	AUTOCAD	1	2,000.00	2,000.00	
01-60-613301	<b>CONFERENCES</b>				<b>48,400.00</b>
	AMWA Conference	1	3,000.00	3,000.00	
	AWWA ACE (Orlando)	3	3,000.00	9,000.00	
	Misc Conference	3	2,500.00	7,500.00	
	ILGISA Conference	2	300.00	600.00	
	ISAWWA Annual Mtg	6	1,200.00	7,200.00	
	IRTHNET User Conference	2	2,000.00	4,000.00	
	Facilities Management	1	2,000.00	2,000.00	
	National Safety Conference	2	2,500.00	5,000.00	
	ILGFOA Conference	1	1,500.00	1,500.00	
	IPSI Conference	4	1,400.00	5,600.00	
	ESRI User Conference	1	3,000.00	3,000.00	
01-60-613302	<b>TUITION REIMBURSEMENT</b>				<b>25,000.00</b>
	Tuition Reimbursement	5	5,000.00	25,000.00	
01-60-619100	<b>OTHER PERSONNEL COSTS</b>				<b>26,300.00</b>
	Annual Physicals	30	300.00	9,000.00	
	Pre-employment Physicals	3	400.00	1,200.00	
	Employment Ads	3	2,500.00	7,500.00	
	Background Checking	10	500.00	5,000.00	
	Employee Assistance	12	150.00	1,800.00	
	Security at Commission Mtg	12	150.00	1,800.00	
01-60-621000	<b>WATER CONSERVATION PROGRAM</b>				<b>101,000.00</b>
	Resources	1	100,000.00	100,000.00	
	Consulting	1	1,000.00	1,000.00	
01-60-623300	<b>INVESTMENT FEES &amp; BANK CHARGE</b>				<b>121,200.00</b>
	Investment Fees	1	120,000.00	120,000.00	
	Banking Fees	12	100.00	1,200.00	
<b>PAGE TOTAL</b>					<b>376,950.00</b>

**BUDGET REPORT**  
**2020-2021 Budget Year**  
**01 WATER FUND**

ACCOUNT NO#	ACCOUNT NAME	UNITS	UNIT COST	ITEM ANNUAL TOTAL	ANNUAL BUDGET
01-60-625100	<b>LEGAL SERVICES- GENERAL</b>				<b>90,000.00</b>
	General	1	65,000.00	65,000.00	
	Litigation	1	25,000.00	25,000.00	
01-60-625200	<b>BOND COUNSEL</b>				<b>0.00</b>
	Certificate of Debt	1	0.00	0.00	
01-60-625300	<b>LEGAL SERVICES- SPECIAL</b>				<b>50,000.00</b>
	As Required	1	50,000.00	50,000.00	
01-60-625800	<b>LEGAL NOTICES</b>				<b>37,500.00</b>
	Admin Legal Notices	1	8,500.00	8,500.00	
	Project Legal Notices	10	1,200.00	12,000.00	
	Operations Legal Notices	4	2,000.00	8,000.00	
	Treasurers Report	1	8,000.00	8,000.00	
	HR Notices	2	500.00	1,000.00	
01-60-625900	<b>OTHER LEGAL SERVICES</b>				<b>0.00</b>
01-60-626000	<b>AUDIT SERVICES</b>				<b>31,000.00</b>
	Audit FY 2020	1	31,000.00	31,000.00	
01-60-628000	<b>CONSULTING SERVICES</b>				<b>240,700.00</b>
	Network Consultants	1	40,000.00	40,000.00	
	Incode Finance Programming	1	5,000.00	5,000.00	
	Unidentified Services	1	60,000.00	60,000.00	
	Application Develop.	1	30,000.00	30,000.00	
	Electrical Supply Consult	1	5,000.00	5,000.00	
	Stand Operating Procedures	1	3,000.00	3,000.00	
	Document Management	1	5,000.00	5,000.00	
	Engineering Consult	1	70,000.00	70,000.00	
	HR Consultants	1	20,000.00	20,000.00	
	Actuarial Consultant	1	2,700.00	2,700.00	
01-60-629000	<b>CONTRACTUAL SERVICES</b>				<b>829,220.00</b>
	Accounting Service	12	6,000.00	72,000.00	
	Annual UPS Maintenance	1	7,000.00	7,000.00	
	IRTHNET Service / Storage	1	20,200.00	20,200.00	
	Custodial Service	12	2,500.00	30,000.00	
	Landscaping Services	7	5,000.00	35,000.00	
	Landscape Conversion	1	13,000.00	13,000.00	
	Window Cleaning Service	12	1,000.00	12,000.00	
	Elevator Service Contract	12	200.00	2,400.00	
	Fire Alarm Panel Service	12	1,300.00	15,600.00	
	Exterminator Service	12	200.00	2,400.00	
	Refuse Service	12	700.00	8,400.00	
	Floor Mat Service	12	600.00	7,200.00	
	Server Hardware Agreement	1	3,000.00	3,000.00	
	Temporary Personnel Services	1	30,000.00	30,000.00	

PAGE TOTAL

1,278,420.00

**BUDGET REPORT**  
**2020-2021 Budget Year**  
**01 WATER FUND**

ACCOUNT NO#	ACCOUNT NAME	UNITS	UNIT COST	ITEM ANNUAL TOTAL	ANNUAL BUDGET
01-60-629000	<b>CONTRACTUAL SERVICES (CONT.)</b>				
	Network Support/Monitoring	12	8,000.00	96,000.00	
	HVAC Service and Controls Contract	1	15,000.00	15,000.00	
	Overhead Door Service Contract	1	7,000.00	7,000.00	
	dpwc.org Web Hosting	12	60.00	720.00	
	Annual Freq Protection	1	500.00	500.00	
	HSQ Maintenance Contract	1	12,000.00	12,000.00	
	Corrosion Protection	1	150,000.00	150,000.00	
	Cloud Backup Service	1	35,000.00	35,000.00	
	Hach Maintenance	1	7,500.00	7,500.00	
	Terrazzo Floor Maintenance	1	20,000.00	20,000.00	
	Generator Service and PM	12	1,000.00	12,000.00	
	Email Threat Protection	1	4,500.00	4,500.00	
	GPS Vehicle Tracking	12	400.00	4,800.00	
	Rating Agency Annual Fees	1	4,000.00	4,000.00	
	Comprehensive IT Security	1	160,000.00	160,000.00	
	Email Archiving Service	1	30,000.00	30,000.00	
	Telephone System Maintenance (3 yr)	1	12,000.00	12,000.00	
01-60-641100	<b>GENERAL LIABILITY INSURANCE</b>				<b>56,000.00</b>
	General Liability	1	35,000.00	35,000.00	
	UST	1	5,000.00	5,000.00	
	Crime	1	4,000.00	4,000.00	
	Pollution (1/3 of Premium)	1	12,000.00	12,000.00	
01-60-641200	<b>PUBLIC OFFICIAL LIABILITY</b>				<b>23,300.00</b>
	Treasurer's Bond	1	5,300.00	5,300.00	
	General Manager's Bond	1	15,000.00	15,000.00	
	Commissioners' Bond	1	3,000.00	3,000.00	
01-60-641500	<b>WORKER'S COMPENSATION</b>				<b>115,000.00</b>
	Illinois Public Risk Fund	1	115,000.00	115,000.00	
01-60-641600	<b>EXCESS LIABILITY COVERAGE</b>				<b>35,000.00</b>
	Umbrella	1	35,000.00	35,000.00	
01-60-642100	<b>PROPERTY INSURANCE</b>				<b>386,000.00</b>
	Property	1	350,000.00	350,000.00	
	Insurance Fees	1	36,000.00	36,000.00	
01-60-642200	<b>AUTOMOBILE INSURANCE</b>				<b>20,000.00</b>
	Auto Insurance	1	20,000.00	20,000.00	
01-60-649100	<b>SELF INSURANCE PROPERTY</b>				<b>50,000.00</b>
	Above & Below Ground 1 Incident	1	50,000.00	50,000.00	
01-60-651200	<b>GENERATOR DIESEL FUEL</b>				<b>112,500.00</b>
	Diesel Fuel	25,000	4.50	112,500.00	
01-60-651300	<b>NATURAL GAS</b>				<b>33,000.00</b>
	Natural Gas Service	1	33,000.00	33,000.00	
<b>PAGE TOTAL</b>					<b>830,800.00</b>

**BUDGET REPORT**  
**2020-2021 Budget Year**  
**01 WATER FUND**

ACCOUNT NO#	ACCOUNT NAME	UNITS	UNIT COST	ITEM ANNUAL TOTAL	ANNUAL BUDGET
01-60-651401	<b>TELEPHONE, CELL &amp; TELEMTRY</b>				<b>80,680.00</b>
	MIS - IP Flex	12	700.00	8,400.00	
	POTS Lines	12	500.00	6,000.00	
	ComCast Internet	12	360.00	4,320.00	
	IP Flex Call Plan C	12	275.00	3,300.00	
	Ipad Internet Services	12	750.00	9,000.00	
	U-Verse Internet	12	200.00	2,400.00	
	AT&T Fiber Internet	12	300.00	3,600.00	
	Cellular Service	12	3,000.00	36,000.00	
	Cellular RTU Charge	12	180.00	2,160.00	
	Phones and supplies	1	3,000.00	3,000.00	
	Beacon Endpoint Annual Cellular	1	2,500.00	2,500.00	
01-60-651403	<b>RADIOS</b>				<b>15,600.00</b>
	STARCOM21	12	1,300.00	15,600.00	
01-60-651404	<b>REPAIRS &amp; EQUIPMENT</b>				<b>3,000.00</b>
	Cellular Repair	1	1,000.00	1,000.00	
	Vehicle Radio Removal/Replacement	1	800.00	800.00	
	Radio Maintenance	12	100.00	1,200.00	
01-60-652100	<b>OFFICE SUPPLIES</b>				<b>29,220.00</b>
	General Office Supplies	12	2,210.00	26,520.00	
	Print supplies	2	600.00	1,200.00	
	Check Stock	1	500.00	500.00	
	Printer & Plotter Paper	1	1,000.00	1,000.00	
01-60-652200	<b>BOOKS &amp; PUBLICATIONS</b>				<b>12,621.00</b>
	Blue Book Subscription	1	1,650.00	1,650.00	
	Training References	1	3,500.00	3,500.00	
	Standards & References	1	6,000.00	6,000.00	
	Eng News Record	1	90.00	90.00	
	Best's Key Rating Guide	1	165.00	165.00	
	Rothstein OSHA Law	1	116.00	116.00	
	GIS Books	1	100.00	100.00	
	HR & Employment References	1	1,000.00	1,000.00	
01-60-653100	<b>PRINTING- GENERAL</b>				<b>5,650.00</b>
	Large Print Jobs	1	750.00	750.00	
	Photos	1	500.00	500.00	
	Letterhead	1	800.00	800.00	
	Forms	1	200.00	200.00	
	Business Cards	4	100.00	400.00	
	Construction Plan Printing	1	1,000.00	1,000.00	
	Printing & Mounting	1	2,000.00	2,000.00	

PAGE TOTAL

146,771.00

**BUDGET REPORT**  
**2020-2021 Budget Year**  
**01 WATER FUND**

ACCOUNT NO#	ACCOUNT NAME	UNITS	UNIT COST	ITEM ANNUAL TOTAL	ANNUAL BUDGET
01-60-653200	<b>POSTAGE &amp; DELIVERY</b>				<b>6,600.00</b>
	US Postal Service	12	200.00	2,400.00	
	Overnight Service Board	12	100.00	1,200.00	
	Overnight Delivery Misc	10	300.00	3,000.00	
01-60-654000	<b>PROFESSIONAL DUES</b>				<b>24,605.00</b>
	NACE Dues (2 yrs)	4	250.00	1,000.00	
	Operators License	12	40.00	480.00	
	ISA Membership Dues	4	250.00	1,000.00	
	GFOA Dues	1	250.00	250.00	
	IL GFOA Dues	1	500.00	500.00	
	AWWA & AMWA Commission Dues	1	15,000.00	15,000.00	
	AWWA Research Fund	1	2,500.00	2,500.00	
	Mid Central Water Works	2	125.00	250.00	
	ILGISA Membership Dues	1	100.00	100.00	
	Alliance for Water Efficiency	1	3,200.00	3,200.00	
	Membership IFMA	1	325.00	325.00	
01-60-655000	<b>REPAIRS &amp; MAINT- OFFICE EQUIP</b>				<b>13,620.00</b>
	Copier Maint	12	500.00	6,000.00	
	Copier Usage	12	350.00	4,200.00	
	Postage Meter Rental	4	630.00	2,520.00	
	Postage Meter Repairs	1	900.00	900.00	
01-60-656000	<b>REPAIRS &amp; MAINT- BLDGS &amp; GRNDS</b>				<b>225,000.00</b>
	Custodial Supplies	12	800.00	9,600.00	
	Fire Alarm Monitor Service	1	1,500.00	1,500.00	
	Police & Fire Protection	1	63,000.00	63,000.00	
	City Elevator Inspection	2	500.00	1,000.00	
	Building Supplies	12	1,500.00	18,000.00	
	HVAC Systems & Modifications	1	10,000.00	10,000.00	
	Rock Salt & Icemelt	1	11,000.00	11,000.00	
	Fire Ext Recharge	1	2,000.00	2,000.00	
	Quick Response Electrical Work	1	40,000.00	40,000.00	
	Security Syst Maintenance	1	30,000.00	30,000.00	
	Forklift Truck Repair	2	1,200.00	2,400.00	
	Elevator Repairs	2	2,500.00	5,000.00	
	Underground Storage Testing	1	2,500.00	2,500.00	
	Battery Repair & Service	4	500.00	2,000.00	
	Generator Repairs	1	10,000.00	10,000.00	

PAGE TOTAL

269,825.00

**BUDGET REPORT**  
**2020-2021 Budget Year**  
**01 WATER FUND**

ACCOUNT NO#	ACCOUNT NAME	UNITS	UNIT COST	ITEM ANNUAL TOTAL	ANNUAL BUDGET
01-60-656000	<b>REPAIRS &amp; MAINT- BLDGS &amp; GRNDS (CONT.)</b>				
	Aerial Lift Service	1	2,000.00	2,000.00	
	Chillers	1	10,000.00	10,000.00	
	Crane Inspections & Repairs	1	5,000.00	5,000.00	
01-60-658000	<b>COMPUTER SOFTWARE</b>				<b>45,200.00</b>
	Network Upgrades	1	20,000.00	20,000.00	
	Misc. GIS software	1	200.00	200.00	
	Document Management System	1	20,000.00	20,000.00	
	Misc Software Programs	1	5,000.00	5,000.00	
01-60-659000	<b>COMPUTER/SOFTWARE MAINTENANCE</b>				<b>126,000.00</b>
	ESRI Software Maint	1	10,100.00	10,100.00	
	Infor 7i Software Maint	1	58,000.00	58,000.00	
	Incode Software	1	15,000.00	15,000.00	
	AUTOCAD License	1	1,100.00	1,100.00	
	Maplogic Layout Manager	1	250.00	250.00	
	Google SketchUp Pro	1	150.00	150.00	
	Google Earth Pro	1	400.00	400.00	
	Misc Hardware and Repairs	1	6,000.00	6,000.00	
	Software License Renewals	1	20,000.00	20,000.00	
	Office 365 Government	1	15,000.00	15,000.00	
01-60-659100	<b>OTHER ADMINISTRATIVE EXPENSE</b>				<b>11,100.00</b>
	Misc Meeting Expenses	1	3,000.00	3,000.00	
	Retirement Plaques	4	200.00	800.00	
	Scanning Service	1	4,000.00	4,000.00	
	HR Plus Background Checks (Contractors)	6	500.00	3,000.00	
	Notary Public Renewals	3	100.00	300.00	
01-60-661101	<b>WATER BILLING</b>				<b>106,023,439.42</b>
	Water Purchase (May-April) \$4.08		25,986,137	106,023,439.42	
01-60-661102	<b>ELECTRICITY</b>				<b>1,300,000.00</b>
	LPS Electrical Charges	1	1,300,000.00	1,300,000.00	

PAGE TOTAL

107,505,739.42

**BUDGET REPORT**  
**2020-2021 Budget Year**  
**01 WATER FUND**

ACCOUNT NO#	ACCOUNT NAME	UNITS	UNIT COST	ITEM ANNUAL TOTAL	ANNUAL BUDGET
01-60-661103	<b>OPERATIONS &amp; MAINTENANCE</b>				<b>720,000.00</b>
	LPS 50% O&M Charges	12	60,000.00	720,000.00	
01-60-661104	<b>MAJOR MAINTENANCE</b>				<b>150,000.00</b>
	Misc Projects	1	100,000.00	100,000.00	
	SCADA Upgrade	1	50,000.00	50,000.00	
01-60-661105	<b>MAJOR MAINTENANCE BILLED</b>				<b>0.00</b>
01-60-661200	<b>ELECTRIC- DuPAGE</b>				<b>0.00</b>
01-60-661201	<b>PUMP STATION</b>				<b>1,900,000.00</b>
	DPS Electrical Charges	1	1,900,000.00	1,900,000.00	
01-60-661202	<b>METER STATION, ROV, TANK SITE</b>				<b>151,000.00</b>
	COMED Accts	1	140,000.00	140,000.00	
	Naper Accts	1	11,000.00	11,000.00	
01-60-661300	<b>WATER CHEMICALS</b>				<b>49,200.00</b>
	Sodium Hypochorite	12	3,750.00	45,000.00	
	De-Chlor Chemicals	6	700.00	4,200.00	
01-60-661400	<b>WATER TESTING</b>				<b>41,000.00</b>
	Analyzers, Supplies & Equipment	1	22,000.00	22,000.00	
	IEPA Lab Testing Program	1	3,000.00	3,000.00	
	Suburban Lab (Misc)	1	6,000.00	6,000.00	
	HACH Field Analyzers & Supplies	1	10,000.00	10,000.00	
01-60-661403	<b>WATER TESTING - COR CONTROL</b>				<b>0.00</b>
01-60-662000	<b>PUMP STATION - OPERATING</b>				
01-60-662100	<b>PUMPING SERVICES</b>				<b>187,800.00</b>
	Highlift Pump Repair	1	80,000.00	80,000.00	
	Small Tools / Equipment	12	600.00	7,200.00	
	Electrical Switchgear	1	5,000.00	5,000.00	
	Valves & Actuators	12	300.00	3,600.00	
	Compressor Repair	3	1,500.00	4,500.00	
	Electrical Supplies	12	450.00	5,400.00	
	Pumps Footing/Sump	12	400.00	4,800.00	
	Oil/Lubricants	12	300.00	3,600.00	
	Chlorine Feed Sys Repair	2	2,500.00	5,000.00	
	Backflow Preventor Service	1	5,000.00	5,000.00	
	Thermoscaning Service	1	3,500.00	3,500.00	
	Spare Motors	12	200.00	2,400.00	
	Compressed gases	12	75.00	900.00	
	Waste Oil Disposal	2	250.00	500.00	
	Pump Vibration Testing	1	5,000.00	5,000.00	
	Breaker Maintenance	1	30,000.00	30,000.00	
	Relay Calibration	1	10,000.00	10,000.00	
	Mechanical Seals	1	5,000.00	5,000.00	
	Multilin Replacement	4	1,600.00	6,400.00	

PAGE TOTAL

3,199,000.00

**BUDGET REPORT**  
**2020-2021 Budget Year**  
**01 WATER FUND**

<b>ACCOUNT NO#</b>	<b>ACCOUNT NAME</b>	<b>UNITS</b>	<b>UNIT COST</b>	<b>ITEM ANNUAL TOTAL</b>	<b>ANNUAL BUDGET</b>
01-60-662300	<b>METER TESTING &amp; REPAIRS</b>				<b>33,500.00</b>
	Test Bench Repairs	1	25,000.00	25,000.00	
	Meter Parts	1	5,000.00	5,000.00	
	Annual Scale Calibration	1	3,000.00	3,000.00	
	Compound Meter Testing	1	500.00	500.00	
01-60-662400	<b>SCADA / INSTRUMENTATION</b>				<b>61,900.00</b>
	SCADA Antenna Maintenance	1	2,500.00	2,500.00	
	Backup Telemetry Repairs	1	1,000.00	1,000.00	
	Instrumentation	1	16,000.00	16,000.00	
	Repair Circuit Boards	1	3,000.00	3,000.00	
	Annual Test Equipment Cal	1	4,000.00	4,000.00	
	SCADA Radio Repairs	1	2,000.00	2,000.00	
	Scada Backhaul	12	1,100.00	13,200.00	
	Turbidimeters	3	5,000.00	15,000.00	
	Replacement of RTU Batteries	80	65.00	5,200.00	
01-60-662500	<b>EQUIPMENT RENTAL</b>				<b>11,700.00</b>
	Tools & Equipment	1	5,000.00	5,000.00	
	Manlift & Misc Tools	1	1,000.00	1,000.00	
	Traffic Lane Closure Setup	6	950.00	5,700.00	
01-60-662600	<b>UNIFORMS</b>				<b>17,000.00</b>
	Uniform Replacements	1	10,000.00	10,000.00	
	Work Boot	1	7,000.00	7,000.00	
01-60-662700	<b>SAFETY</b>				<b>104,020.00</b>
	Contract Training	1	28,920.00	28,920.00	
	Equipment/Supplies	1	11,000.00	11,000.00	
	Consultant Services	1	45,000.00	45,000.00	
	NSC Dues and Subscriptions	1	2,900.00	2,900.00	
	Professional Development	1	10,000.00	10,000.00	
	In-House Training Material	1	2,000.00	2,000.00	
	Safety & First Aid	12	350.00	4,200.00	

PAGE TOTAL

228,120.00



**BUDGET REPORT**  
**2020-2021 Budget Year**  
**01 WATER FUND**

ACCOUNT NO#	ACCOUNT NAME	UNITS	UNIT COST	ITEM ANNUAL TOTAL	ANNUAL BUDGET
01-60-663100	<b>PIPELINE REPAIRS</b>				<b>775,000.00</b>
	Major Pipe Repair	1	500,000.00	500,000.00	
	Manhole Repairs and Adjustments	1	275,000.00	275,000.00	
10-60-663200	<b>CORROSION TESTING &amp; MITIGATION</b>				<b>7,500.00</b>
	Misc COR Testing	1	7,500.00	7,500.00	
01-60-663300	<b>REMOTE FACILITIES MAINTENANCE</b>				<b>191,300.00</b>
	Fencing Repairs	1	1,000.00	1,000.00	
	Quick Response Electrical Work	1	50,000.00	50,000.00	
	Minor Facility Repairs	1	25,000.00	25,000.00	
	Repair Parts	12	3,300.00	39,600.00	
	Landscaping Maintenance /Tanksites	1	20,000.00	20,000.00	
	Tool Replacement	1	1,000.00	1,000.00	
	Hoist Inspections	1	9,000.00	9,000.00	
	CP System Maintenance	1	6,000.00	6,000.00	
	Mixing System Annual Maintenance	1	14,700.00	14,700.00	
	Quick Response Non-Electrical Work	1	25,000.00	25,000.00	
01-60-663400	<b>PLAN REVIEW- PIPELINE CONFLICT</b>				<b>80,500.00</b>
	JULIE Notification	4	19,000.00	76,000.00	
	Paint for JULIE Locating	1	3,000.00	3,000.00	
	Locating Flags	1	1,500.00	1,500.00	
01-60-663700	<b>PIPELINE SUPPLIES</b>				<b>56,000.00</b>
	Pipe and Fittings	1	10,000.00	10,000.00	
	Misc Supplies	1	30,000.00	30,000.00	
	Misc Equipment	1	16,000.00	16,000.00	
01-60-664000	<b>MACHINERY &amp; EQUIPMENT NON-CAP</b>				<b>18,850.00</b>
	Utility Vehicle Tools	1	3,900.00	3,900.00	
	Traffic Barricade Batteries	1	250.00	250.00	
	Office Upgrades / Furniture	1	10,000.00	10,000.00	
	Desks/File Cabinets	2	1,500.00	3,000.00	
	Misc Pipeline Equipment Repairs	1	1,700.00	1,700.00	
01-60-664100	<b>REPAIRS &amp; MAINT- VEHICLES</b>				<b>39,500.00</b>
	Vehicle Maintenance	12	3,000.00	36,000.00	
	Oil Changes	1	3,500.00	3,500.00	
01-60-664200	<b>FUEL- VEHICLES</b>				<b>37,200.00</b>
	Bulk Fuel Purchase	24	1550.00	37,200.00	

PAGE TOTAL

1,205,850.00

**BUDGET REPORT**  
**2020-2021 Budget Year**  
**01 WATER FUND**

ACCOUNT NO#	ACCOUNT NAME	UNITS	UNIT COST	ITEM ANNUAL TOTAL	ANNUAL BUDGET
01-60-664300	<b>LICENSES- VEHICLES</b>				<b>2,150.00</b>
	City of Elmhurst	1	2,000.00	2,000.00	
	State of IL	1	150.00	150.00	
01-60-672100	<b>BOND INTEREST- GO BONDS</b>				<b>0.00</b>
01-60-672200	<b>BOND INTEREST- REV BONDS</b>				<b>0.00</b>
	2013 Bond Int Pmts	1	-	-	
	2013 Premium Amortization	1	-	-	
01-60-672300	<b>NOTE INTEREST - DEBT CERT.</b>				<b>0.00</b>
01-60-672400	<b>CAPITAL LEASE INTEREST</b>				<b>0.00</b>
	Copier Lease Interest	1	-	-	
01-60-681000	<b>LEASES</b>				<b>1,000.00</b>
	ISTHA Pipe Crossings	1	500.00	500.00	
	ISTHA SCADA Antenna Use	1	500.00	500.00	
01-60-682000	<b>PERMITS &amp; FEES</b>				<b>14,450.00</b>
	Cook County Maywood Easemt	1	3,500.00	3,500.00	
	IEPA APC Annual Fee	1	2,500.00	2,500.00	
	LPS Title Transfer Insur.	1	1,500.00	1,500.00	
	LPS Title Transfer Insur.	17	250.00	4,250.00	
	Highway Permits	5	100.00	500.00	
	DPCH Permit Fees	1	2,200.00	2,200.00	
01-60-683000	<b>EASEMENTS</b>				<b>0.00</b>
01-60-685100	<b>COMPUTERS</b>				<b>84,500.00</b>
	Replacement Computers	20	1,400.00	28,000.00	
	Replacement Laptops	3	2,500.00	7,500.00	
	Network Hardware	1	25,000.00	25,000.00	
	Tablet Devices	10	1,500.00	15,000.00	
	Printers/Scanner	2	750.00	1,500.00	
	Server Racks	3	2,500.00	7,500.00	
01-60-685200	<b>OFFICE FURNITURE &amp; EQUIPMT</b>				<b>25,000.00</b>
	Large Multi Function Screen	1	10,000.00	10,000.00	
	Upgrade Paging System	1	15,000.00	15,000.00	
01-60-685600	<b>MACHINERY &amp; EQUIPMENT</b>				<b>105,000.00</b>
	Tank Mixer	2	30,000.00	60,000.00	
	Generator Equipment Room AC	1	15,000.00	15,000.00	
	Mini Excavator	1	30,000.00	30,000.00	
01-60-685800	<b>CAPITALIZED EQUIP PURCHASES</b>				<b>(130,000.00)</b>
01-60-686000	<b>VEHICLES</b>				<b>347,000.00</b>
	F150 Truck (Pipeline)	1	42,000.00	42,000.00	
	Ford Explorer (Pipeline)	1	35,000.00	35,000.00	
	F350 Truck (Pipeline & RF)	2	75,000.00	150,000.00	
	Ford Expedition (Admin)	1	70,000.00	70,000.00	
	Fork Lift	1	50,000.00	50,000.00	
01-60-686800	<b>CAPITALIZED VEHICLE PURCHASES</b>				<b>(347,000.00)</b>
<b>PAGE TOTAL</b>					<b>102,100.00</b>

**BUDGET REPORT**  
**2020-2021 Budget Year**  
**01 WATER FUND**

<b>ACCOUNT NO#</b>	<b>ACCOUNT NAME</b>	<b>UNITS</b>	<b>UNIT COST</b>	<b>ITEM ANNUAL TOTAL</b>	<b>ANNUAL BUDGET</b>
01-60-692000	<b>DEPRECIATION- TRANS MAINS</b> DEPRECIATION FY2019/20			5,100,000.00	<b>5,100,000.00</b>
01-60-693000	<b>DEPRECIATION- BUILDINGS</b> DEPRECIATION FY2019/20			3,150,000.00	<b>3,150,000.00</b>
01-60-694000	<b>DEPRECIATION-PUMPING EQUIPMENT</b> DEPRECIATION FY2019/20			1,820,000.00	<b>1,820,000.00</b>
01-60-695200	<b>DEPRECIATION- OFFICE FURN &amp; EQUIP</b> DEPRECIATION FY2019/20			90,000.00	<b>90,000.00</b>
01-60-696000	<b>DEPRECIATION- VEHICLES</b> DEPRECIATION FY2019/20			125,000.00	<b>125,000.00</b>

**PAGE TOTAL**

**10,285,000.00**

**BUDGET REPORT**  
**2020-2021 Budget Year**  
**01 WATER FUND - CAPITAL IMPROVEMENTS BUDGET**

ACCOUNT NO#	ACCOUNT NAME	UNITS	UNIT COST	ITEM ANNUAL TOTAL	ANNUAL BUDGET
01-60-722100	<b>ADDITION OF PUMP</b> Addition of Pump #10	1	1,500,000.00	1,500,000.00	<b>1,500,000.00</b>
01-60-722200	<b>DPS BUILDINGS REHAB &amp; MAINT</b> Admin Bldg Curtain Wall & Store Fronts	1	850,000.00	850,000.00	<b>1,650,000.00</b>
	Disinfection Facility Rehab	1	800,000.00	800,000.00	
01-60-722201	<b>DPS LAB</b> DPS Control Lab Renovation	1	200,000.00	200,000.00	<b>200,000.00</b>
01-60-722300	<b>GENERATION BUILDING REHAB &amp; MAINT</b> Humidification System	1	105,000.00	105,000.00	<b>105,000.00</b>
01-60-751000	<b>TRANSMISSION MAINS</b> Replacement of Blow-Off Stems	1	250,000.00	250,000.00	<b>8,250,000.00</b>
	Distribution System Upgrades	1	8,000,000.00	8,000,000.00	
01-60-751100	<b>90 &amp; 72 INCH SUPPLY UPGRADES</b> Supply Line Upgrades (Tollway)	1	10,000,000.00	10,000,000.00	<b>10,000,000.00</b>
01-60-751200	<b>CATHODIC PROTECTION</b> Cathodic Protection/Construction	1	500,000.00	500,000.00	<b>500,000.00</b>
01-60-761000	<b>STANDPIPE IMPROVEMENTS</b> Tank Site Rehab	1	700,000.00	700,000.00	<b>700,000.00</b>
01-60-770500	<b>WATER QUALITY INSTRUMENTATION</b> Water Quality Monitoring System	1	1,000,000.00	1,000,000.00	<b>1,000,000.00</b>
01-60-771000	<b>VALVE REHAB &amp; REPLACEMENT</b> ROV and Large Valve Repairs and Upgrade	1	500,000.00	500,000.00	<b>500,000.00</b>
01-60-771200	<b>CONDITION ASSESSMENT</b> Condition Assess & Related Projects	1	750,000.00	750,000.00	<b>750,000.00</b>
01-60-771600	<b>WALL &amp; MASONRY REHAB</b> ComEd Yard Rehab	1	780,000.00	780,000.00	<b>1,200,000.00</b>
	West Discharge Tunnel Rehab	1	420,000.00	420,000.00	
01-60-771700	<b>REPLACEMENT OF SCADA SYSTEM</b> Replacement of SCADA System	1	3,800,000.00	3,800,000.00	<b>5,050,000.00</b>
	Backhaul Radio System	1	450,000.00	450,000.00	
	Security System Upgrades	1	800,000.00	800,000.00	
01-60-771900	<b>HIGH LIFT PUMP REHAB</b> High Lift Pump Rehab	1	300,000.00	300,000.00	<b>300,000.00</b>
01-60-772100	<b>METER STATION REHAB</b> Meter Station Rehab	1	300,000.00	300,000.00	<b>300,000.00</b>
01-60-772200	<b>DWC SYSTEM UPGRADES</b> DWC System Upgrade Studies	1	300,000.00	300,000.00	<b>300,000.00</b>
01-60-798000	<b>CAPITALIZED FIXED ASSETS</b>				<b>(32,305,000.00)</b>
<b>PAGE TOTAL</b>					<b>0.00</b>
<b>TOTAL EXPENDITURES(pages 2-14):</b>					<b>130,997,781.45</b>
<b>NET REVENUES/EXPENDITURES:</b>					<b>(1,458,747.88)</b> <b>(Credit)</b>



**DuPage Water Commission  
Fiscal Year 2020-2021  
Tentative Draft Budget  
May 1, 2020 to April 30, 2021**

**March 1, 2020**



# DuPage Water Commission

## MEMORANDUM

TO: Charter Customers and Bond Trustees

FROM: John Spatz, General Manager

DATE: March 1, 2020

SUBJECT: FY 2020-2021 Tentative Draft Management Budget

The Board of Commissioners is currently reviewing the tentative draft management budget for the fiscal year 2020-2021. It is being sent to you as required by Section 7(L) of the Water Purchase Contract. This draft is subject to further completion of review and adoption by the Board of Commissioners. Please share this information with personnel in your organization involved in the budget process.

This budget is scheduled to be adopted after a charter customer hearing on April 16, 2020 at 6:30 PM. If you have questions regarding the budget, please feel free to call me at (630) 834-0100.

cc:

Chairman & Commissioners	County of DuPage
Argonne National Laboratory	BMO Harris
Illinois American Water Company	Village of Bartlett
City of Oakbrook Terrace	
Village of Winfield	

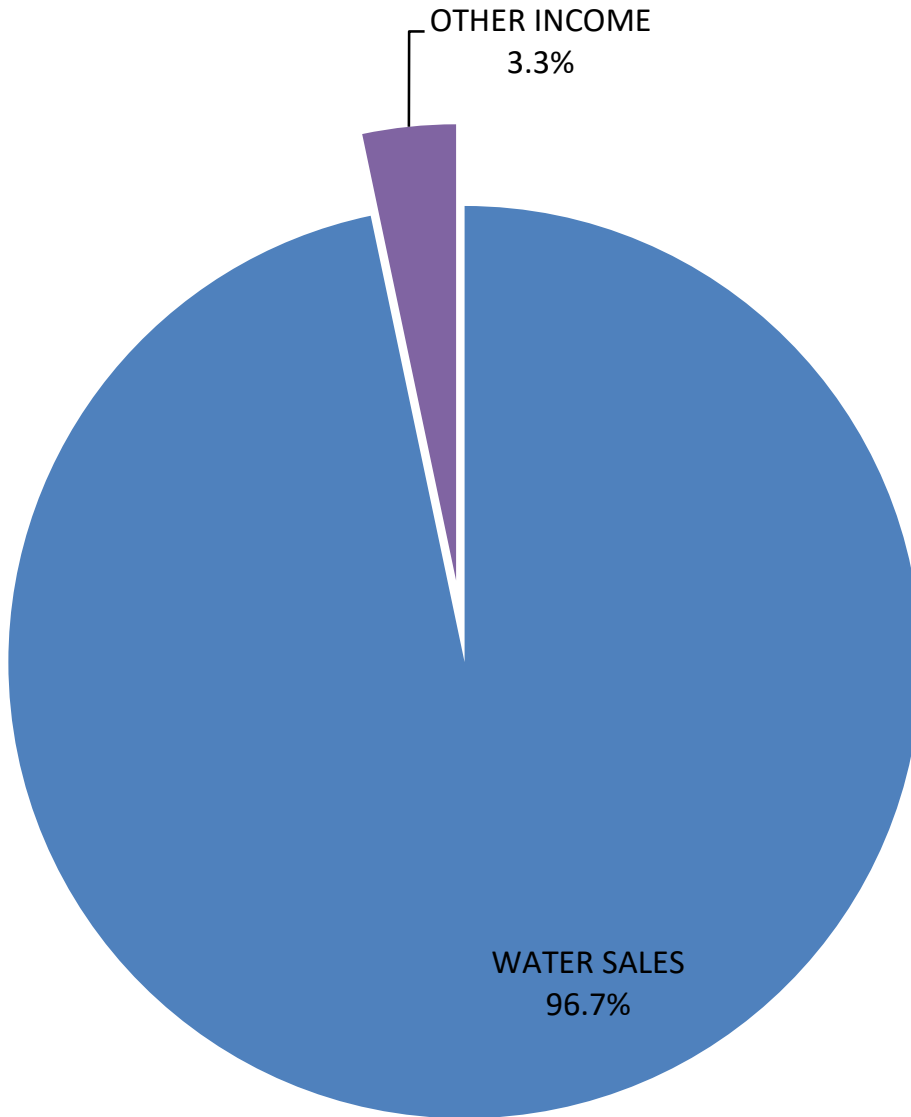
**DuPage Water Commission**  
**Tentative Draft Management Budget**  
**May 1, 2020 to April 30, 2021**  
**Executive Summary**

- With this Tentative Budget for fiscal year 2020-2021, the Commission continues to be a self-sustaining water utility, operating almost entirely on our water sales. The Commission continues to hold the line on spending while maximizing efficiencies.
- On May 13, 2019, the Village of Bartlett became a subsequent customer and started taking their water supply from the Commission. Bartlett will be the Commission's sixth largest customer with an average day demand of approximately 3.2 million gallons per day. The additional revenue the Commission will gain from Bartlett for water sales, capital cost recovery charge (buy-in) and interest should help to minimize future water rate increases for all Commission customers.
- This Tentative Budget for fiscal year 2020-2021, which goes through April of 2021, reflects no increase in the Commission's total water rate. The water rate will remain the same as last fiscal year at \$4.97 per thousand gallons. The Commission, however, anticipated a water rate increase from the City of Chicago based on the increase in the Consumer Price Index from December 2018 to 2019. Their increase is estimated to be 2.45% or \$0.10 per thousand gallons for fiscal year 2020-2021.
- The Commission has done an outstanding job at minimizing water rate increases for our customers. The Commission's total water rate back in January of 2015 was \$4.95 per thousand gallons. Since January 2015 through this proposed budget year, our total water rate has increased only 2 cents per thousand gallons.
- Looking at household affordability for drinking water, an average family of 4 in DuPage County using approximately 10,000 gallons per month, typically have seen their water bills increased by only 20 cents per month due to the Commission's water rates since January of 2015. That's less than one penny per day.
- The Commission has been able to maintain and minimize its water rates since January of 2015, even considering the following:
  - the water rate increases from our supplier, the City of Chicago, which will total \$0.27 per thousand gallons (which includes anticipated increase for this budget year);
  - the loss of approximately \$35M annual revenue with the sunseting of the sales tax in 2016;
  - a decrease in water sales of approximately 3% (even with additional water sales to Village of Bartlett) and
  - a much larger capital plan.

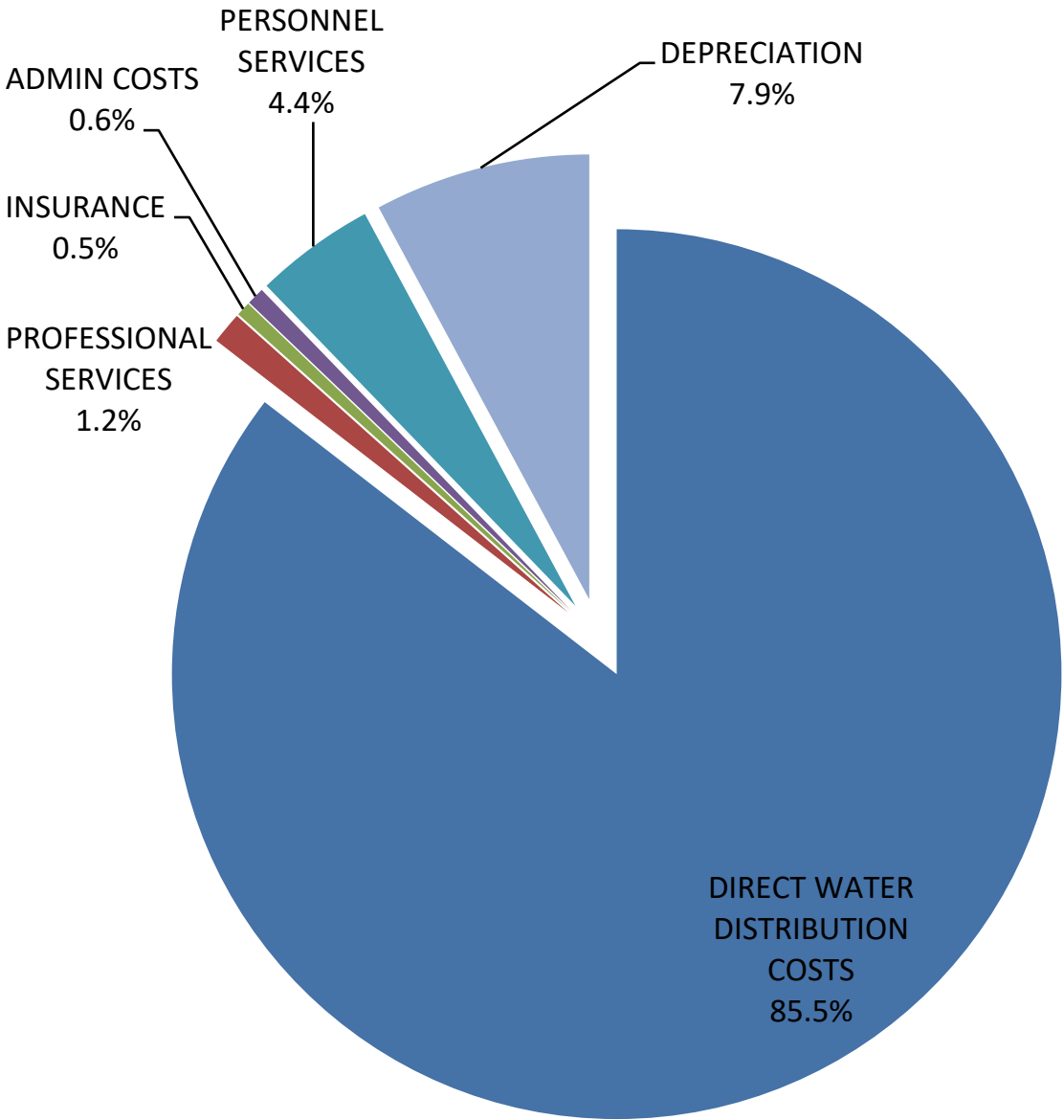
- Total budgeted revenues decrease by \$2.0 million versus the fiscal year 2019-2020 budget. The main drivers are as follows:
  - On May 1, 2020, the total Charter Customer's water rate will remain at \$4.97 per thousand gallons, with operations and maintenance rate being \$4.97 per thousand gallons and fixed cost equivalent remaining at \$0.00 per thousand gallons.
  - The Commission budgeted water sales revenues are expected to decrease based upon the projections and current trends.
  - The interest income is budgeted to increase in due to additional interest income related to the Village of Bartlett project and better rate of return on the Commission's current investments.
  
- Total operating expenses (excluding construction) increase by \$2.0 million versus the fiscal year 2019-2020 budget. The main drivers are as follows:
  - The total budgeted costs for water purchased from the City of Chicago increases from \$105.4 million to \$106.0 million, which is an increase in that expense by \$0.6 million. This amount is based on the expectation of purchasing slightly less water from the City compared to the last fiscal year, offset by a water rate increase from the City based upon the consumer price index from December 2018 to December 2019.
  - Personnel services are budgeted to increase related to wage and salary adjustments, overtime, pension and medical benefits.
  - Professional Services are budgeted to increase related to contractual services for corrosion protection services and additional water conservation programs.
  - Depreciation expenses are budgeted to increase from the previous fiscal year's budget due to recent completion of some capital projects.
  - All capital construction expenditures for fiscal year 2020-2021 have remained separated from operating accounts. The Commission has also included a Five-Year Capital Improvement Plan for 2020-2025.



**DuPage Water Commission  
2020-2021 Budget Projection  
Revenues \$129,539,034**



**DuPage Water Commission  
2020-2021 Budget Projection  
Expenses \$130,997,781**



**TOTAL REVENUES AND OPERATING EXPENSES.** The Total Charter Customer water rate on May 1, 2020 will be \$4.97 per 1,000 gallons. This water rate is the same water rate as the prior year. No increase in water rate is budgeted for fiscal year 2020-2021. The operation and maintenance component of the water rate is \$4.97 per 1,000 gallons and the fixed cost equivalent will remain at \$0.00 per 1,000 gallons. Subsequent Customer Differential revenue is mostly related to the addition of the Village of Bartlett as a subsequent customer in 2019.

As of June 1, 2016, the Commission stopped collecting sales tax.

Additional interest income is related to the interest received from the Village of Bartlett.

Contribution income is related to the connection facilities (pipeline and metering station) assets being transferred to the Commissions ledger.

Total operating expenditures in the fiscal year 2020-2021 budget are expected to increase primarily due to water rate increases, adjusted salary and wages, additional professional services, and higher depreciation costs.

**CONSTRUCTION EXPENDITURES**

Construction projects for fiscal year 2020-2021 include, replacement of the distribution system upgrades, SCADA system, building improvements, and an additional high lift pump.

DUPAGE WATER COMMISSION  
TENTATIVE DRAFT MANAGEMENT BUDGET  
MAY 1, 2020 TO APRIL 30, 2021

ACCT #	ACCOUNT TITLE	TOTAL FROM	WATER FUND FY 18-19 ACTUAL	WATER FUND FY 19-20 BUDGET	WATER FUND FY 19-20 PROJECTED	WATER FUND FY 20-21 BUDGET	% CHANGE	% CHANGE
							FY 19-20 VS PROJECTED	FY 19-20 BUDGET VS FY 20-21 BUDGET
01	500000							
	REVENUES							
01	511000	PAGE 3	126,131,182	127,639,540	125,000,000	125,276,568	-2.1%	-1.9%
01	512000	PAGE 3	0	0	0	0	N/A	N/A
01	513000	PAGE 3	853,622	2,911,090	2,784,732	2,784,740	-4.3%	-4.3%
01	514000	PAGE 3	12,943	20,625	20,000	20,725	-3.0%	0.5%
01	530010	PAGE 3	112,907	0	0	0	N/A	N/A
01	530030	PAGE 3	0	0	0	0	N/A	N/A
01	581000	PAGE 3	5,150,182	990,000	2,900,000	1,457,000	192.9%	47.2%
01	590000	PAGE 3	160,785	0	27,000	0	N/A	N/A
01	592000	PAGE 3	0	0	14,978,162	0	N/A	N/A
	TOTAL REVENUE		132,421,620	131,561,255	145,709,894	129,539,034	10.8%	-1.5%
01	60 600000							
	OPERATING EXPENDITURES							
01	60 600000	PAGE 5	0	0	0	0	N/A	N/A
01	60 610000	PAGE 5	4,452,893	5,469,847	5,151,300	5,723,956	-5.8%	4.6%
01	60 620000	PAGE 7	698,281	1,189,720	961,000	1,500,620	-19.2%	26.1%
01	60 640000	PAGE 8	1,146,563	669,300	631,600	685,300	-5.6%	2.4%
01	60 650000	PAGE 9	457,157	666,046	584,371	744,396	-12.3%	11.8%
01	60 660000	PAGE 10	108,701,554	110,999,099	107,838,716	111,958,559	-2.8%	0.9%
01	60 670000	PAGE 11	0	0	0	0	N/A	N/A
01	60 680000	PAGE 11	40,102	76,250	56,500	99,950	-25.9%	31.1%
01	60 690000	PAGE 12	8,887,520	9,884,000	9,281,000	10,285,000	-6.1%	4.1%
	TOTAL OPERATING EXPENDITURES		124,384,070	128,954,262	124,504,487	130,997,781	-3.5%	1.6%
01	60 700000	PAGE 13	0	0	0	0	N/A	N/A
	TOTAL EXPENDITURES		124,384,070	128,954,262	124,504,487	130,997,781	-3.5%	1.6%
	NET OPERATING ACCOUNTING TRANSACTIONS		8,037,550	2,606,994	21,205,407	(1,458,748)	713.4%	-156.0%

**FUND BALANCES.** The Commission reports its net assets in accordance with Generally Accepted Accounting Principles (GAAP). Net Assets is categorized into three categories as follows:

Unrestricted Net Assets  
Restricted Net Assets by Ordinance  
Net Assets Invested in Capital, Net of Related Debt

Unrestricted Net Assets is a combination of Board designated reserve funds and the net amount of all other asset and liability accounts not accounted for as Restricted Net Assets by Ordinance or Net Assets Invested in Capital Assets, Net of Related Debt. The Board designated reserve funds include an Operating Reserve fund based upon maintaining a minimum balance of 180 days of operating expenses, which should be approximately \$70.5 million in the 2020-2021 budgeted fiscal year. This fund is to be used for rate stabilization, emergencies, and unscheduled costs related to the operation of the Commission. The Capital Reserve account will accumulate and maintain a minimum amount equal to the planned amounts required in the annually approved 5 Year Capital Improvement Plan. Funds deposited in this Fund shall be used to provide a ready source of funds for repair, refurbishment or acquisition of buildings, leaseholds, furniture, fixtures, and equipment necessary for the effective operation of the Commission and its programs. Another reserve fund is a Long-Term Water Capital Reserve fund that will continue to increase by at least \$175,000 a month. This fund is exclusively for the acquisition, replacement and upgrade of the Commission's water system infrastructure, and other capital assets.

Currently there are no Restricted Net Assets required by Ordinance.

Net Assets Invested in Capital, Net of Related Debt represents the Commission's infrastructure investment net of unpaid long-term debt used for its construction. The budgeted ending balance is based upon the prior year projected ending balance plus budgeted capital spending and scheduled debt payments, less depreciation expense.

DUPAGE WATER COMMISSION  
TENTATIVE DRAFT MANAGEMENT BUDGET  
MAY 1, 2020 TO APRIL 30, 2021

ACCT #	ACCOUNT TITLE	TOTAL FROM	WATER FUND FY 18-19 ACTUAL	WATER FUND FY 19-20 BUDGET	WATER FUND FY 19-20 PROJECTED	WATER FUND FY 20-21 BUDGET	% CHANGE FY 19-20 BUDGET VS FY 19-20 PROJECTED	% CHANGE FY 19-20 BUDGET VS FY 20-21 BUDGET
	NET ASSETS BALANCE							
	NET CURRENT YEAR TRANSACTIONS	PAGE 1	8,037,550	2,606,994	21,205,407	(1,458,748)	713.4%	-156.0%
	BEGINNING NET ASSET BALANCE		509,563,281	517,600,831	517,600,831	538,806,238	0.0%	4.1%
	ENDING NET ASSET BALANCE		517,600,831	520,207,825	538,806,238	537,347,490	3.6%	3.3%
	NET ASSETS BALANCE ANALYSIS							
	UNRESTRICTED ASSETS							
	BOARD DESIGNATED:							
	HELD FOR EMERGENCY REPAIRS		0	0	0	0	N/A	N/A
	OPERATING RESERVE		66,581,413	65,791,115	67,605,112	70,529,317	2.8%	7.2%
	LONG-TERM WATER CAPITAL RESERVE		45,676,743	16,225,000	17,310,644	18,325,000	6.7%	12.9%
	CAPITAL RESERVE		17,042,753	44,739,500	46,320,920	58,255,000	3.5%	30.2%
	NON-BOARD DESIGNATED:							
01	421400 NET UNRESTRICTED/UNCOMMITTED		56,652,259	57,409,847	81,269,899	42,003,010	41.6%	-26.8%
01	421000 TOTAL UNRESTRICTED NET ASSETS		185,953,168	184,165,462	212,506,575	189,112,327	15.4%	2.7%
01	421000 UNRESTRICTED NET ASSETS		185,953,168	184,165,462	212,506,575	189,112,327	15.4%	2.7%
01	422000 RESTRICTED NET ASSETS BY ORDINANCE		0	0	0	0	N/A	N/A
01	423000 NET ASSETS INVESTED IN CAPITAL, NET OF RELATED DEBT		331,647,663	336,042,363	326,299,663	348,235,163	-2.9%	3.6%
	NET ASSETS BALANCE		517,600,831	520,207,825	538,806,238	537,347,490	3.6%	3.3%

**WATER REVENUES.** The Total Charter Customer water rate effective on May 1, 2020 is \$4.97 per 1,000 gallons, which is unchanged from the prior fiscal year. The operation and maintenance component of the water rate is \$4.97 per 1,000 gallons and the fixed cost equivalent will remain at \$0.00 per 1,000 gallons. O&M revenues for fiscal year 2020-2021 are budgeted to decrease based upon the projection of customers' water usage decreasing from the numbers budgeted in the 2019-2020 fiscal year. Water customer usage is budgeted in fiscal year 2020-2021 to match fiscal year 2019-2020 projected usage with no water rate increase.

The Subsequent Customer Charges (Capital Cost Recovery Charge) represents accrued charges budgeted for customers that were added after the charter customers. The Subsequent Customer Charges are expected to remain relatively unchanged from the prior fiscal year. Emergency Water Service charges includes actual water sold to Schaumburg, along with an annual fee.

**SALES TAXES.** No Sales tax revenues for the fiscal year 2020-2021 were budgeted due to the sun setting of the sales tax after June 1, 2016.

**INVESTMENT & INTEREST INCOME.** The average rate of return is budgeted conservatively to be 0.50% (benchmark) on all other Commission funds. The average amount invested is estimated to be \$140 million. A small amount of interest income will be collected with the Water Quality Loan payment from Carol Stream. Currently these payments are expected to continue through 2026. Interest income from the repayment of the Connection Facilities loan with Bartlett began in fiscal year 2019-2020. The Village of Bartlett is budgeted to make payments each month in fiscal year 2020-2021. These payments will continue for a total of 240 monthly payments.

**OTHER INCOME/CONTRIBUTIONS.** No other income is budgeted.

DUPAGE WATER COMMISSION  
TENTATIVE DRAFT MANAGEMENT BUDGET  
MAY 1, 2020 TO APRIL 30, 2021

ACCT #	ACCOUNT TITLE	TOTAL FROM	WATER FUND FY 18-19 ACTUAL	WATER FUND FY 19-20 BUDGET	WATER FUND FY 19-20 PROJECTED	WATER FUND FY 20-21 BUDGET	% CHANGE FY 19-20 BUDGET VS FY 19-20 PROJECTED	% CHANGE FY 19-20 BUDGET VS FY 20-21 BUDGET
01	500000							
	REVENUES							
01	510000							
	WATER REVENUES							
01	511000		126,131,182	127,639,540	125,000,000	125,276,568	-2.1%	-1.9%
01	512000		0	0	0	0	N/A	N/A
01	513000		853,622	2,911,090	2,784,732	2,784,740	-4.3%	-4.3%
01	514000		12,943	20,625	20,000	20,725	-3.0%	0.5%
01	530010		112,907	0	0	0	N/A	N/A
01	530030		0	0	0	0	N/A	N/A
01	580000							
	INVESTMENT EARNINGS							
01	581000		4,944,751	690,000	2,300,000	700,000	233.3%	
01	582000		205,430	300,000	600,000	757,000	100.0%	152.3%
01	590000		160,785	0	27,000	0	N/A	N/A
01	592000		0	0	14,978,162	0	N/A	
	TOTAL REVENUE		132,421,620	131,561,255	145,709,894	129,539,034	10.8%	-1.5%



**FIXED COST PAYMENT SCHEDULE.** As required in the Charter Customer Water Purchase Contract, the schedule of fixed cost payments for the presently served Commission Customers is shown below. The costs are allocated based on historic water use for calendar years 2018 and 2019. However, fixed cost equivalent will remain at \$0.00 per 1,000 gallons.

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DuPAGE WATER COMMISSION  
ESTIMATED CUSTOMER  
FIXED COST PAYMENT SCHEDULE  
MAY 1, 2020 TO APRIL 30, 2021

EXHIBIT 1

CUSTOMER	2018 & 2019 CALENDAR YEARS USE (1000 GAL)	2018 & 2019 CALENDAR YEARS % USAGE	REQUIRED	FOR:													
			FIXED COST PAYMENT \$0 AMOUNT TO BE RATE FUNDED \$0	05/31/20 DUE: 07/10/20	06/30/20 DUE: 08/10/20	07/31/20 DUE: 09/10/20	08/31/20 DUE: 10/10/20	09/30/20 DUE: 11/10/20	10/31/20 DUE: 12/10/20	11/30/20 DUE: 01/10/21	12/31/20 DUE: 02/10/21	01/31/21 DUE: 03/11/21	02/28/21 DUE: 04/10/21	03/31/21 DUE: 05/10/21	04/30/21 DUE: 06/10/21		
ADDISON	2,153,717	4.2126%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
BARTLETT	741,197	1.4497%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BENSENVILLE	1,096,803	2.1453%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BLOOMINGDALE	1,429,593	2.7962%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAROL STREAM	2,474,251	4.8395%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CLARENDON HILLS	464,735	0.9090%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DARIEN	1,114,672	2.1802%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DOWNERS GROVE	3,434,473	6.7177%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ELMHURST	2,867,670	5.6090%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GLEN ELLYN	1,613,059	3.1551%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GLENDALE HTS	1,689,340	3.3043%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HINSDALE	1,652,422	3.2321%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ITASCA	852,883	1.6682%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LISLE	1,566,936	3.0649%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOMBARD	2,649,042	5.1814%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NAPERVILLE	10,288,040	20.1229%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OAK BROOK	1,855,105	3.6285%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROSELLE	1,085,931	2.1240%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VILLA PARK	1,100,128	2.1518%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WESTMONT	1,591,555	3.1130%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WHEATON	3,136,027	6.1339%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WILLOWBROOK	669,731	1.3100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WOOD DALE	768,142	1.5024%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WOODRIDGE	1,808,901	3.5381%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WINFIELD	550,906	1.0775%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OAK BROOK TERRACE	173,346	0.3391%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DPC-SERWF	683,822	1.3375%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DPC-GLEN ELLYN HEIGHTS	161,569	0.3160%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DPC-HOBSON	26,870	0.0526%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DPC-STEEPLE RUN	88,038	0.1722%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DPC-NORDIC PARK (1)	37,707	0.0738%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DPC-YORK CENTER	65,798	0.1287%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IAWC-ARROWHEAD	95,507	0.1868%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IAWC-COUNTRY CLUB	51,085	0.0999%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IAWC-DP/LISLE	324,843	0.6354%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IAWC-LMBRD HGHTS	34,614	0.0677%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IAWC-VALLEY VIEW	322,246	0.6303%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IAWC-LIBERTY RIDGE WEST	155,276	0.3037%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IAWC-LIBERTY RIDGE EAST	15,787	0.0309%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ARGONNE NATIONAL LAB	234,198	0.4581%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL CUSTOMERS TOTAL	51,125,965	100.0000%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

(1) - NO ALLOCATION. WATER USAGE FOR 2017 & 2018 USED IN CALCULATION.

	FY 2020-21	FY 2019-20	FY 2018-19	FY 2017-18
ESTIMATED O & M RATE	\$4.97	\$4.97	\$4.94	\$4.88
ESTIMATED FIXED COST EQUIVALENT	\$0.00	\$0.00	\$0.00	\$0.00
ESTIMATED TOTAL RATE PER THOUSAND GALLONS	\$4.97	\$4.97	\$4.94	\$4.88

**SALARIES AND WAGES.** Commission employee wages are established and evaluated according to competitive rates paid by the Commission's customers and general labor market considerations. Salaries and wages are budgeted higher for fiscal year 2020-2021 based upon salary adjustments and to accommodate for future cost of living adjustments.

**BENEFITS AND TAXES.** The Commission participates in the Illinois Municipal Retirement Fund (IMRF) and budgeted for a contribution rate of 7% for 2020. Annually, IMRF calculates the amount of unfunded pension liability/asset for the prior calendar year and notifies the Commission after the budget has been approved. As of the December 31, 2018 actuarial valuation, the Commission's Net Pension Liability is approximately \$257,000. The Commission also budgeted an additional \$200,000 for charges related to the possibility of employees retiring.

Group health and life insurance benefits are available for all full time employees. Group health and life insurance benefits are budgeted based on actual rates for January 1, 2020, with an estimated increase for the last four months of the budget year.

**PROFESSIONAL DEVELOPMENT.** Travel, training, tuition, and professional development are budgeted for courses and seminars.

**OTHER PERSONNEL COSTS.** These expenses are for employee recruitment and annual physical examinations required for normal operating procedures and confined space entry.

DUPAGE WATER COMMISSION  
TENTATIVE DRAFT MANAGEMENT BUDGET  
MAY 1, 2020 TO APRIL 30, 2021

ACCT #	ACCOUNT TITLE	TOTAL FROM	WATER FUND FY 18-19 ACTUAL	WATER FUND FY 19-20 BUDGET	WATER FUND FY 19-20 PROJECTED	WATER FUND FY 20-21 BUDGET	% CHANGE	% CHANGE
							FY 19-20 VS FY 19-20 PROJECTED	FY 19-20 BUDGET VS FY 20-21 BUDGET
01 60 600000	OPERATING EXPENSES							
01 60 600100	REBATE/ALLOWANCE FOR BAD DEBT							
01 60 600100	ALLOWANCE FOR BAD DEBT/SETTLEMENT		0	0	0	0	N/A	N/A
	TOTAL REBATE/ALLOWANCE FOR BAD DEBT		0	0	0	0	N/A	N/A
01 60 610000	PERSONNEL SERVICES							
01 60 611000	SALARIES & WAGES							
01 60 611100	ADMINISTRATIVE-REGULAR		1,473,095	1,605,900	1,605,900	1,698,400	0.0%	5.8%
01 60 611200	OPERATIONS-REGULAR		1,526,627	1,949,300	1,949,300	1,955,000	0.0%	0.3%
01 60 611300	SUMMER INTERNS		31,178	40,000	20,000	40,000	-50.0%	0.0%
01 60 611600	ADMINISTRATIVE - OVERTIME		2,020	7,400	2,300	7,400	-68.9%	0.0%
01 60 611700	OPERATIONS - OVERTIME		274,999	214,423	230,000	215,050	7.3%	0.3%
01 60 612000	BENEFITS AND TAXES							
01 60 612100	PENSION		164,450	369,021	200,000	474,110	-45.8%	28.5%
01 60 612200	MEDICAL/LIFE BENEFITS		674,517	831,570	750,000	855,104	-9.8%	2.8%
01 60 612300	FEDERAL PAYROLL TAXES		235,616	292,002	292,000	299,563	0.0%	2.6%
01 60 612800	STATE UNEMPLOYMENT TAXES		4,415	13,780	5,000	13,780	-63.7%	0.0%
01 60 613000	PROFESSIONAL DEVELOPMENT							
01 60 613100	TRAVEL		8,202	10,800	10,800	10,800	0.0%	0.0%
01 60 613200	TRAINING		27,369	37,650	30,000	55,050	-20.3%	46.2%
01 60 613301	CONFERENCES		25,031	46,700	40,000	48,400	-14.3%	3.6%
01 60 613302	TUITION REIMBURSEMENT		0	25,000	10,000	25,000	-60.0%	0.0%
01 60 619000	OTHER PERSONNEL COSTS							
01 60 619100	OTHER PERSONNEL COSTS		5,374	26,300	6,000	26,300	-77.2%	0.0%
	TOTAL PERSONAL SERVICES		4,452,893	5,469,847	5,151,300	5,723,956	-5.8%	4.6%

**PERSONNEL TABLE.** The personnel service budget is based on the personnel structure in the table below. The total personnel budgeted for fiscal year 2020-2021 is 37. The additional position added to this year's budget would be the possibility of hiring an additional trainee position.

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**DUPAGE WATER COMMISSION  
ORGANIZATIONAL CHART  
FISCAL YEAR 2020-2021**



**WATER CONSERVATION PROGRAM.** The amount budgeted is planned to increase significantly due to additional projects that will be promoted by the Commission in the communities and schools.

**FINANCIAL SERVICES.** Investment fees and bank charges are for investment advisory services, and bank fees.

**LEGAL SERVICES.** The budgeted amount is for general counsel, which provides for the legal services from outside counsel. Special counsel, if needed, will provide legal services for non-routine matters.

**AUDIT SERVICES.** The audit service budget is for the annual audit for fiscal year ending April 30, 2020 to be conducted in fiscal year 2020-2021.

**CONSULTING SERVICES.** Major consulting costs in fiscal year 2020-2021 include engineering consultants (\$70,000), future unidentified and miscellaneous services (\$60,000), network consultant (\$40,000), and application development consultants (\$30,000).

**CONTRACTUAL SERVICES.** Major contractual services include comprehensive IT security (\$160,000), corrosion protection (\$150,000) network support and monitoring (\$96,000), accounting services (\$72,000), landscape maintenance (\$35,000), backup cloud services (\$35,000), custodial services (\$30,000), and temporary personnel services (\$30,000).

DUPAGE WATER COMMISSION  
TENTATIVE DRAFT MANAGEMENT BUDGET  
MAY 1, 2020 TO APRIL 30, 2021

ACCT #	ACCOUNT TITLE	TOTAL FROM	WATER FUND FY 18-19 ACTUAL	WATER FUND FY 19-20 BUDGET	WATER FUND FY 19-20 PROJECTED	WATER FUND FY 20-21 BUDGET	% CHANGE FY 19-20 BUDGET VS FY 19-20 PROJECTED	% CHANGE FY 19-20 BUDGET VS FY 20-21 BUDGET
01 60 620000	PROFESSIONAL SERVICES							
01 60 621000	WATER CONSERVATION PROGRAM		10,826	11,000	11,000	101,000	0.0%	818.2%
01 60 623000	FINANCIAL SERVICES							
01 60 623300	INVESTMENT FEES & BANK CHARGES		101,669	111,200	111,200	121,200	0.0%	9.0%
01 60 625000	LEGAL SERVICES							
01 60 625100	GENERAL COUNSEL		48,349	90,000	50,000	90,000	-44.4%	0.0%
01 60 625200	BOND COUNSEL		0	0	0	0	N/A	N/A
01 60 625300	SPECIAL COUNSEL		1,787	50,000	5,000	50,000	-90.0%	0.0%
01 60 625800	LEGAL NOTICES		11,001	37,500	15,000	37,500	-60.0%	0.0%
01 60 626000	AUDIT SERVICES		27,700	31,000	28,800	31,000	-7.1%	0.0%
01 60 628000	CONSULTING SERVICES		168,351	230,700	200,000	240,700	-13.3%	4.3%
01 60 629000	CONTRACTUAL SERVICES		328,598	628,320	540,000	829,220	-14.1%	32.0%
	TOTAL PROFESSIONAL SERVICES		698,281	1,189,720	961,000	1,500,620	-19.2%	26.1%



**CASUALTY INSURANCE.** This covers the Commission against operating liabilities. The budget is based on known costs of current policies for the calendar year.

**PROPERTY INSURANCE.** This covers the Commission against damage to its physical plant. The budget is based on known costs of current policies for the calendar year.

**OTHER COVERAGES.** The Commission carries deductibles on its property insurance policies. The deductible per above ground incident is \$100,000. Below ground facilities carry a \$5,000 deductible per occurrence. Because it is impossible to know if an incident will occur and no known claims are currently outstanding, \$50,000 was budgeted to primarily cover any possible deductible amounts.

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DUPAGE WATER COMMISSION  
TENTATIVE DRAFT MANAGEMENT BUDGET  
MAY 1, 2020 TO APRIL 30, 2021

ACCT #	ACCOUNT TITLE	TOTAL FROM	WATER FUND FY 18-19 ACTUAL	WATER FUND FY 19-20 BUDGET	WATER FUND FY 19-20 PROJECTED	WATER FUND FY 20-21 BUDGET	% CHANGE	% CHANGE
							FY 19-20 VS FY 19-20 PROJECTED	FY 19-20 BUDGET VS FY 20-21 BUDGET
01 60 640000	INSURANCE							
01 60 641000	CASUALTY INSURANCE							
01 60 641100	GENERAL LIABILITY		39,738	54,000	44,000	56,000	-18.5%	3.7%
01 60 641200	PUBLIC OFFICIAL'S LIABILITY		19,058	22,300	19,600	23,300	-12.1%	4.5%
01 60 641500	WORKER'S COMPENSATION		93,217	110,000	110,000	115,000	0.0%	4.5%
01 60 641600	UMBRELLA COVERAGE		28,087	35,000	31,000	35,000	-11.4%	0.0%
01 60 642000	PROPERTY INSURANCE							
01 60 642100	PROPERTY		346,961	381,000	360,000	386,000	-5.5%	1.3%
01 60 642200	AUTOMOBILE INSURANCE		14,738	17,000	17,000	20,000	0.0%	17.6%
01 60 649000	OTHER COVERAGE							
01 60 649100	SELF INSURED CLAIMS		604,764	50,000	50,000	50,000	0.0%	0.0%
	TOTAL INSURANCE		1,146,563	669,300	631,600	685,300	-5.6%	2.4%

**OCCUPANCY COSTS.** Amounts have been budgeted for natural gas service for the DuPage Pumping Station, diesel fuel for the backup generators, and communication systems charges.

**ADMINISTRATION SUPPLIES.** General supplies include office and computer supplies. Books and publications include the purchase of standard construction books used in determining rates for labor and equipment in conjunction with the Commission's quick response repair contracts.

**PRINTING AND POSTAGE.** Printing costs are for blue-line drawings used for construction in and around the Commission's pipeline. This item also includes the printing of letterhead and other business forms. Postage and delivery is for regular Commission mailings and delivery to various consultants working with the Commission.

**PROFESSIONAL DUES.** Professional dues include membership fees for various Water Associations, Alliance for Water Efficiency, Water Research Foundation, and other professional associations.

**OFFICE EQUIPMENT REPAIRS.** This item is for maintaining the Commission's office equipment and copy machines.

**REPAIRS & MAINT – BLDGS & GRN.** This item is for maintaining the Commission's buildings and grounds at the DuPage Pumping Station

**COMPUTER SOFTWARE.** This item is for all the Commission's software purchases and upgrades.

**SOFTWARE MAINTENANCE.** This item is for the Commission's non-SCADA software maintenance agreements.

**OTHER ADMINISTRATIVE EXPENSES.** This item includes funds for various meetings, security background checks and scanning services.

DUPAGE WATER COMMISSION  
TENTATIVE DRAFT MANAGEMENT BUDGET  
MAY 1, 2020 TO APRIL 30, 2021

ACCT #	ACCOUNT TITLE	TOTAL FROM	WATER FUND FY 18-19 ACTUAL	WATER FUND FY 19-20 BUDGET	WATER FUND FY 19-20 PROJECTED	WATER FUND FY 20-21 BUDGET	% CHANGE FY 19-20 BUDGET VS FY 19-20 PROJECTED	% CHANGE FY 19-20 BUDGET VS FY 20-21 BUDGET
01 60 650000	ADMINISTRATIVE COSTS							
01 60 651000	OCCUPANCY COSTS							
01 60 651200	GENERATOR DIESEL FUEL		49,458	112,500	90,000	112,500	-20.0%	0.0%
01 60 651300	NATURAL GAS		17,801	33,000	21,000	33,000	-36.4%	0.0%
01 60 651400	COMMUNICATION SYSTEMS		54,475	77,780	70,000	99,280	-10.0%	27.6%
01 60 652000	ADMINISTRATION SUPPLIES							
01 60 652100	OFFICE SUPPLIES		15,058	28,620	17,000	29,220	-40.6%	2.1%
01 60 652200	BOOKS & PUBLICATIONS		3,596	4,371	4,371	12,621	0.0%	188.7%
01 60 653000	PRINTING & POSTAGE							
01 60 653100	PRINTING - GENERAL		715	5,650	1,000	5,650	-82.3%	0.0%
01 60 653200	POSTAGE & DELIVERY		3,097	6,600	5,500	6,600	-16.7%	0.0%
01 60 654000	PROFESSIONAL DUES		16,213	24,105	18,000	24,605	-25.3%	2.1%
01 60 655000	OFFICE EQUIPMENT REPAIRS		7,088	13,620	8,000	13,620	-41.3%	0.0%
01 60 656000	REPAIRS & MAINT - BLDGS & GRN		172,510	213,000	213,000	225,000	0.0%	5.6%
01 60 658000	COMPUTER SOFTWARE		11,539	25,200	20,000	45,200	-20.6%	79.4%
01 60 659000	SOFTWARE MAINTENANCE		100,973	110,500	110,500	126,000	0.0%	14.0%
01 60 659100	OTHER ADMINISTRATIVE EXPENSE		4,634	11,100	6,000	11,100	-45.9%	0.0%
	TOTAL ADMINISTRATIVE & MAINTENANCE COSTS		457,157	666,046	584,371	744,396	-12.3%	11.8%

**WATER SUPPLY.** Water costs from the City of Chicago are budgeted on the assumption the Commission's water usage will decrease compared to amounts that were budgeted from the last fiscal year. The Commission estimates budgeted purchases to be 26.0 billion gallons of water at an average rate of \$4.08 per 1,000 gallons in fiscal year 2020-2021. The next water rate adjustment by the City of Chicago is scheduled to be on June 1, 2020, any upward adjustment is based on the lower of the rate of inflation for the 365-day period ending on the most recent January 1 of the Consumer Price Index or 5%. The Consumer Price Index for December 2019 increased approximately 2.45%; therefore, the Commission is budgeting for an increase in rates from Chicago. In addition, 80% of the electrical costs and 50% of the labor and repair costs for the Lexington Pump Station, as well as major maintenance items, are included in this line item. The budget for these expenses also includes electrical supply costs and other electrical costs for the elevated tanks and the metering stations, water quality chemicals, and testing.

**PUMP STATION OPERATIONS.** These expenses include the maintenance and repair of water pumps, reservoirs and the pump station building and purchase of spare parts. Costs of meter testing and instrumentation maintenance are included here. Major cost elements for fiscal year 2020-2021 are pump maintenance, electrical switchgear/breaker maintenance, and relay calibration.

**PIPELINE MAINTENANCE.** Repairs to the Commission's pipelines include work done under both the Quick Response contract and by the Commission staff. Major expenses in this category include estimated pipeline repairs (\$500,000) and manhole repairs and adjustments (\$275,000).

**VEHICLES.** Equipment repairs and maintenance includes the cost of gasoline, oil, and repairs to the Commission's vehicles.

DUPAGE WATER COMMISSION  
TENTATIVE DRAFT MANAGEMENT BUDGET  
MAY 1, 2020 TO APRIL 30, 2021

ACCT #	ACCOUNT TITLE	TOTAL FROM	WATER FUND FY 18-19 ACTUAL	WATER FUND FY 19-20 BUDGET	WATER FUND FY 19-20 PROJECTED	WATER FUND FY 20-21 BUDGET	% CHANGE	% CHANGE
							FY 19-20 VS FY 19-20 PROJECTED	FY 19-20 BUDGET VS FY 20-21 BUDGET
01 60 660000	DIRECT WATER DISTRIBUTION COSTS							
01 60 661000	WATER SUPPLY							
01 60 661101	WATER PURCHASES-CHICAGO		104,145,756	105,375,629	103,268,116	106,023,439	-2.0%	0.6%
01 60 661102	ELECTRIC-CHICAGO		1,182,923	1,300,000	1,200,000	1,300,000	-7.7%	0.0%
01 60 661103	MAINTENANCE-CHICAGO		392,763	720,000	500,000	720,000	-30.6%	0.0%
01 60 661104	MAJOR MAINTENANCE-CHICAGO		104,434	150,000	60,000	150,000	-60.0%	0.0%
01 60 661200	ELECTRIC - DuPAGE		1,435,268	1,900,000	1,600,000	1,900,000	-15.8%	0.0%
02 61 661202	METER STATION, ROV, TANK SITE		139,504	151,000	135,000	151,000	-10.6%	0.0%
01 60 661300	WATER CHEMICALS		305	49,200	10,000	49,200	-79.7%	0.0%
01 60 661400	WATER TESTING		24,448	33,750	25,000	41,000	-25.9%	21.5%
01 60 662000	PUMP STATION OPERATIONS							
01 60 662100	PUMPING SERVICES		54,127	187,800	150,000	187,800	-20.1%	0.0%
01 60 662300	METER TESTING & REPAIR		18,064	16,500	16,500	33,500	0.0%	103.0%
01 60 662400	SCADA/INSTRUMENTATION		39,919	67,200	67,200	61,900	0.0%	-7.9%
01 60 662500	EQUIPMENT RENTAL		0	11,700	3,000	11,700	-74.4%	0.0%
01 60 662600	UNIFORMS		11,254	17,000	17,000	17,000	0.0%	0.0%
01 60 662700	SAFETY		97,422	104,020	90,000	104,020	-13.5%	0.0%
01 60 663000	PIPELINE MAINTENANCE							
01 60 663100	PIPELINE REPAIRS		786,414	575,000	400,000	775,000	-30.4%	34.8%
01 60 663200	CORROSION TESTING & MITIGATION		0	7,500	2,500	7,500	-66.7%	0.0%
01 60 663300	METER STATIONS, ROVS, STANDPIPES		96,062	119,600	119,600	191,300	0.0%	59.9%
01 60 663400	PLAN REVIEW - PIPELINE CONFLICTS		67,275	80,500	80,000	80,500	-0.6%	0.0%
01 60 663700	PIPELINE SUPPLIES		35,665	35,000	35,000	56,000	0.0%	60.0%
01 60 664000	MACHINERY & EQUIPMENT NON-CAP		28,869	18,850	10,000	18,850	-46.9%	0.0%
01 60 664100	REPAIRS & MAINT - VEHICLES		16,690	39,500	25,000	39,500	-36.7%	0.0%
01 60 664200	FUEL- VEHICLES		22,823	37,200	23,000	37,200	-38.2%	0.0%
01 60 664300	LICENSES - VEHICLES		1,569	2,150	1,800	2,150	-16.3%	0.0%
	TOTAL DIRECT WATER DISTRIBUTION COSTS		108,701,554	110,999,099	107,838,716	111,958,559	-2.8%	0.9%

**BOND INTEREST COSTS.** Currently the Commission has no debt outstanding; therefore, no interest expenses are budgeted in fiscal year 2020-2021.

**LAND AND RIGHT-OF-WAY.** The amount budgeted for leases include Cook County and Illinois State Toll Highway Authority leases for pipeline crossings

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DUPAGE WATER COMMISSION  
TENTATIVE DRAFT MANAGEMENT BUDGET  
MAY 1, 2020 TO APRIL 30, 2021

ACCT #	ACCOUNT TITLE	TOTAL FROM	WATER FUND FY 18-19 ACTUAL	WATER FUND FY 19-20 BUDGET	WATER FUND FY 19-20 PROJECTED	WATER FUND FY 20-21 BUDGET	% CHANGE FY 19-20 BUDGET VS FY 19-20 PROJECTED	% CHANGE FY 19-20 BUDGET VS FY 20-21 BUDGET
01 60 672000	BOND INTEREST							
01 60 672200	BOND INTEREST - REV BONDS		0	0	0	0	N/A	N/A
01 60 672300	NOTE INTEREST - CERTIFICATES OF DEBT		0	0	0	0	N/A	N/A
01 60 672400	CAPITAL LEASE INTEREST		0	0	0	0	N/A	N/A
	TOTAL INTEREST EXPENSES		0	0	0	0	N/A	N/A
01 60 680000	LAND AND RIGHT-OF-WAY							
	LAND AND RIGHT-OF-WAY							
01 60 681000	LEASES		0	1,000	500	1,000	-50.0%	0.0%
01 60 682000	PERMITS & FEES		5,380	14,450	6,000	14,450	-58.5%	0.0%
	TOTAL LAND AND RIGHT-OF-WAY		5,380	15,450	6,500	15,450	-57.9%	0.0%



**EQUIPMENT PURCHASES.** Equipment purchases in the fiscal year 2020-2021 include Tank Mixers (\$60,000) and Mini Excavator (\$30,000). The purpose of budgeting in this manner is to allow control over the purchase of equipment, as well as to plan for depreciation to conform to accounting principles in the annual audit report. The capitalized equipment budget item is for year-end audit compliance.

**VEHICLE PURCHASES.** The Commission is expecting to purchase three trucks, two SUVs, and a fork lift in fiscal year 2020-2021. The trucks will replace vehicles that are due for replacement based on policy. The capitalized equipment budget item is for year-end audit compliance.

**WATER MAIN, BUILDING, AND PUMPING EQUIPMENT DEPRECIATION.** The Commission recognizes depreciation on its water mains, buildings, and pumping equipment. Buildings are being depreciated over a 40-year period. Pipelines are estimated to last 80 years. Pumping equipment has a 30-year life.

**EQUIPMENT DEPRECIATION.** Equipment is being depreciated over a period of 3 – 25 years.

**VEHICLE DEPRECIATION.** Vehicles are being depreciated over 5 years.

DUPAGE WATER COMMISSION  
TENTATIVE DRAFT MANAGEMENT BUDGET  
MAY 1, 2020 TO APRIL 30, 2021

ACCT #	ACCOUNT TITLE	TOTAL FROM	WATER FUND FY 18-19 ACTUAL	WATER FUND FY 19-20 BUDGET	WATER FUND FY 19-20 PROJECTED	WATER FUND FY 20-21 BUDGET	% CHANGE	% CHANGE
							FY 19-20 VS FY 19-20 PROJECTED	FY 19-20 VS FY 20-21 BUDGET
01 60 690000	CAPITAL EQUIPMENT/DEPRECIATION							
	EQUIPMENT PURCHASES							
01 60 685100	COMPUTER		34,722	60,800	50,000	84,500	-17.8%	39.0%
01 60 685200	OFFICE FURNITURE & EQUIPMENT		0	0	0	25,000	N/A	N/A
01 60 685600	MACHINERY & EQUIPMENT		49,000	35,000	35,000	105,000	0.0%	200.0%
01 60 685800	CAPITALIZED EQUIPMENT PURCHASES		(49,000)	(35,000)	(35,000)	(130,000)	0.0%	271.4%
	VEHICLE PURCHASES							
01 60 686000	VEHICLES		91,375	35,000	15,000	347,000	-57.1%	891.4%
01 60 686800	CAPITALIZED VEHICLES PURCHASES		(91,375)	(35,000)	(15,000)	(347,000)	-57.1%	891.4%
01 60 692000	DEPRECIATION - WATER MAINS		4,572,187	4,950,000	4,700,000	5,100,000	-5.1%	3.0%
01 60 693000	DEPRECIATION - BUILDINGS		2,664,937	3,000,000	2,840,000	3,150,000	-5.3%	5.0%
01 60 694000	DEPRECIATION - PUMPING EQUIPMENT		1,544,015	1,744,000	1,620,000	1,820,000	-7.1%	4.4%
01 60 695200	DEPRECIATION - OFFICE FURNITURE		76,403	90,000	77,000	90,000	-14.4%	0.0%
01 60 696000	DEPRECIATION - VEHICLE		29,978	100,000	44,000	125,000	-56.0%	25.0%
	TOTAL CAPITAL EQUIPMENT/DEPRECIATION		8,922,242	9,944,800	9,331,000	10,369,500	-6.2%	4.3%
	TOTAL OPERATING EXPENSES		124,384,070	128,954,262	124,504,487	130,997,781	-3.5%	1.6%

**CONSTRUCTION EXPENDITURES.** The capital projects budgeted for fiscal year 2020-2021.

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DUPAGE WATER COMMISSION  
TENTATIVE DRAFT MANAGEMENT BUDGET  
MAY 1, 2020 TO APRIL 30, 2021

ACCT #	ACCOUNT TITLE	TOTAL FROM	WATER FUND FY 18-19 ACTUAL	WATER FUND FY 19-20 BUDGET	WATER FUND FY 19-20 PROJECTED	WATER FUND FY 20-21 BUDGET	% CHANGE	% CHANGE
							FY 19-20 VS FY 19-20 PROJECTED	FY 19-20 VS FY 20-21 BUDGET
01 60 700000	CONSTRUCTION EXPENDITURES							
01 60 711000	METERING STATIONS		0	300,000	0	0	-100.0%	-100.0%
01 60 711500	BARTLETT CONNECTION FACILITIES		14,828,751	1,000,000	713,000	0	-28.7%	-100.0%
01 60 722100	ADDITION OF PUMP		10,136	250,000	100,000	1,500,000	-60.0%	500.0%
01 60 722200	DPS BUILDINGS REHAB & MAINTENANCE		4,409	1,817,000	500,000	1,650,000	-72.5%	-9.2%
01 60 722201	DPS LAB		0	0	0	200,000	N/A	N/A
01 60 722300	GENERATION BUILDING REHAB & MAINTENANCE		3,644	105,000	30,000	105,000	-71.4%	0.0%
01 60 741000	REMOTE FACILITIES REHAB & MAINTENANCE		120,774	150,000	140,000	0	-6.7%	-100.0%
01 60 751000	TRANSMISSION MAINS		0	1,250,000	210,000	8,250,000	-83.2%	560.0%
01 60 751100	90 & 72 INCH SUPPLY UPGRADES		0	0	0	10,000,000	N/A	N/A
01 60 751200	CATHODIC PROTECTION		0	0	0	500,000	N/A	N/A
01 60 761000	STANDPIPE IMPROVEMENTS		56,732	787,500	700,000	700,000	-11.1%	-11.1%
01 60 770401	RADIO SYSTEM REPLACEMENT		104,981	0	0	0	N/A	N/A
01 60 770500	WATER QUALITY INSTRUMENTATION		0	0	0	1,000,000	N/A	N/A
01 60 770700	STANDPIPE PAINTING		2,955	0	0	0	N/A	N/A
01 60 771000	VALVE REHAB & REPLACEMENT		(6,344)	150,000	180,000	500,000	20.0%	233.3%
01 60 771100	METER REPLACEMENT		34,286	0	0	0	N/A	N/A
01 60 771200	CONDITION ASSESSMENT		349,940	750,000	200,000	750,000	-73.3%	0.0%
01 60 771600	VAR BLDG - WALL & MASONRY REHAB		0	1,200,000	100,000	1,200,000	-91.7%	0.0%
01 60 771700	REPLACEMENT OF SCADA SYSTEM		7,103	5,750,000	800,000	5,050,000	-86.1%	-12.2%
01 60 771900	HIGHLIFT PUMP REHAB		1,010,507	250,000	275,000	300,000	10.0%	20.0%
01 60 772000	SECURITY SYSTEM UPGRADES		187,506	180,000	25,000	0	-86.1%	-100.0%
01 60 772100	METER STATION REHAB		155,925	400,000	10,000	300,000	-97.5%	-25.0%
01 60 772200	DWC SYSTEM UPGRADES		0	0	0	300,000	N/A	N/A
01 60 798000	CAPITALIZED FIXED ASSETS		(16,871,305)	(14,339,500)	(3,983,000)	(32,305,000)	-72.2%	125.3%
TOTAL CONSTRUCTION EXPENDITURES			0	0	0	0	N/A	N/A

DUPAGE WATER COMMISSION  
 2020 – 2025  
 FIVE YEAR CAPITAL IMPROVEMENT PLAN



DUPAGE WATER COMMISSION  
 2020 - 2025  
 FIVE YEAR CAPITAL IMPROVEMENT  
 PLAN  
 February 19, 2020



**DUPAGE WATER COMMISSION**  
**2020 – 2025**  
**FIVE YEAR CAPITAL IMPROVEMENT PLAN**



## **DuPage Water Commission**

### **MEMORANDUM**

**TO:** John Spatz  
General Manager

**FROM:** Alan Stark  
Coordinating Engineer

**DATE:** February 19, 2020

**SUBJECT:** Capital Improvement Plan

In accordance with Commission policy, the Capital Improvement Plan is reviewed and evaluated by staff relating to each new budget cycle. A draft of the updated plan is then submitted to the Commission for its consideration. This annual document is based on the Commission's anticipated needs for normal operations, emergency operations and improvements to the system.

The plan is divided into two sections – DuPage Pump Station Improvements and Distribution & Storage System Improvements. A summary shows the capital outlay which will be funded through a five-year capital improvement budget with fiscal year breakouts. Each fiscal year's proposed expenditures are included in the financial projection of Commission revenues and expenditures through fiscal year 2024-2025.

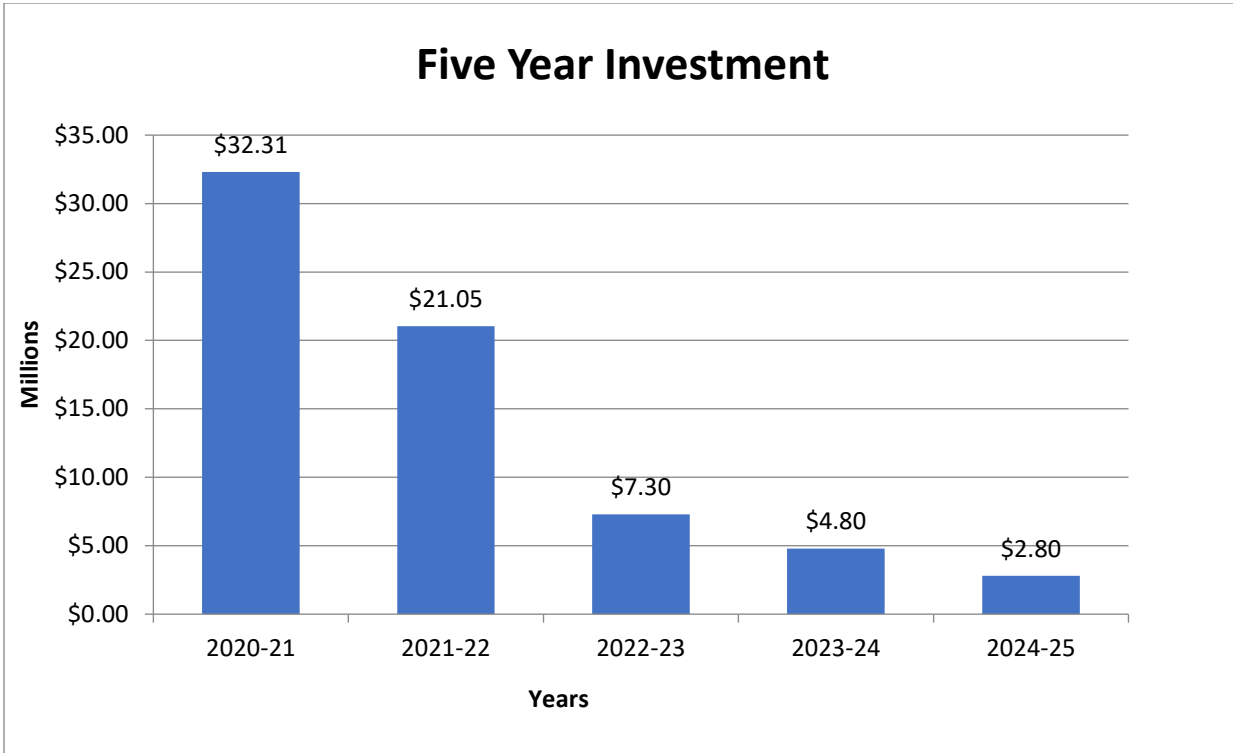
The Commission staff proposes to spend approximately \$68.2 million on 23 projects during the planning period from FY 2020-2021 through FY 2024-2025. The project to upgrade the 90- & 72-inch supply lines at \$10M is budgeted as a safeguard in case Illinois State Toll Highway Authority (ISTHA) requires changes. Currently, the Commission is in discussions with ISTHA engineers. The following chart shows the projected annual expenditures over the next five years.

**DUPAGE WATER COMMISSION  
2020 – 2025  
FIVE YEAR CAPITAL IMPROVEMENT PLAN**

**Yearly Capital Costs**

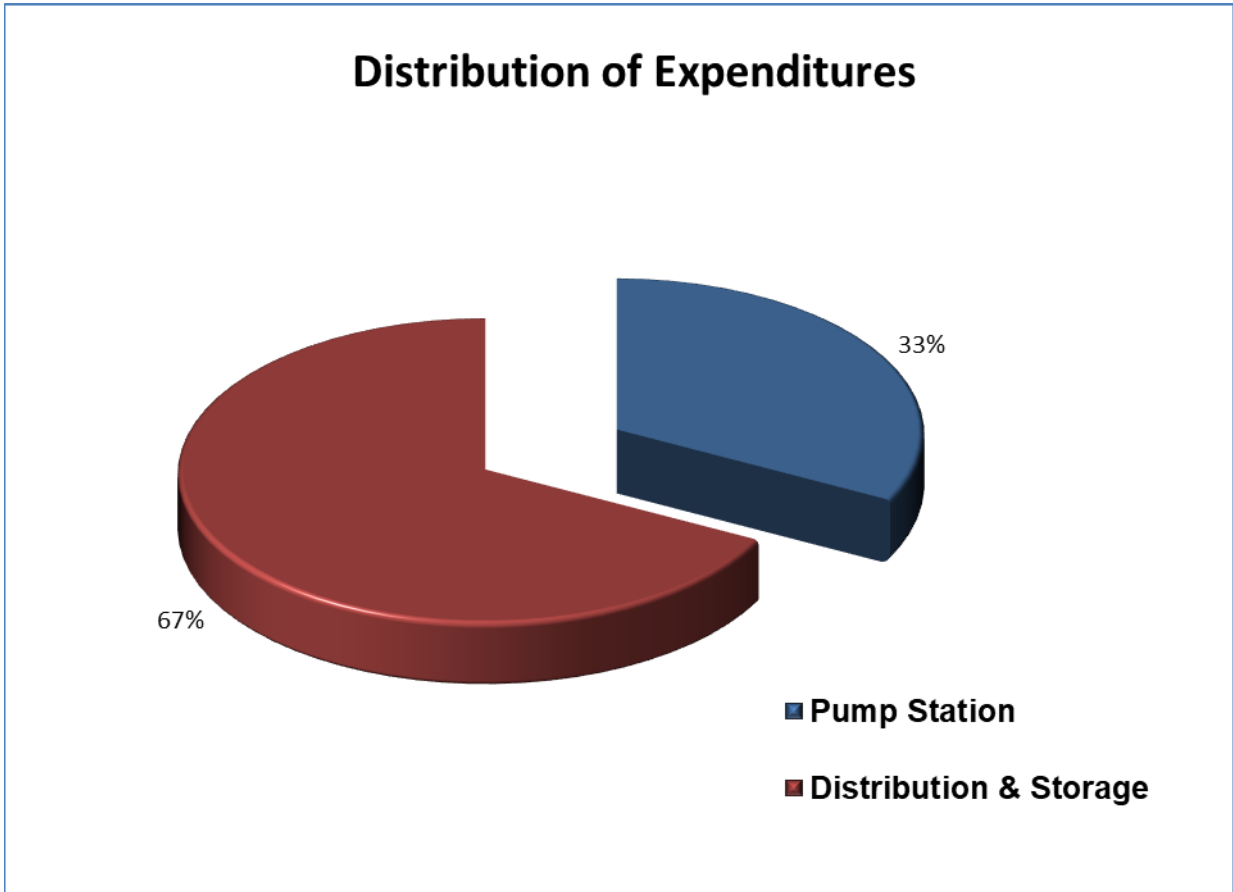
Projects	2020-21	2021-22	2022-23	2023-24	2024-25
<b>DuPage Pump Station</b>					
Addition of Pump # 10	\$1,500,000				
Replacement of SCADA System	\$3,800,000	\$3,000,000			
Back-Haul Radio	\$450,000				
Security System Upgrades	\$800,000		\$2,000,000	\$2,000,000	
DWC System Upgrade Studies	\$300,000				
High lift Pump Rehabilitation	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000
Admin Bldg./Pump Station Building Rehab	\$1,650,000				
DPPS Generator Bldg. Facility Improvements	\$105,000	\$1,500,000	\$1,500,000		
Control Laboratory Renovation	\$200,000				
ComEd Yard Rehab	\$780,000				
West Discharge Tunnel Rehab	\$420,000				
Replacement of Roof-Mounted Exhaust Fans		\$300,000			
Replacement of Wall-Mounted Supply Fans		\$300,000			
Replacement of Chillers		\$150,000			
<b>Distribution System</b>					
Condition Assessment	\$750,000	\$500,000	\$500,000	\$500,000	\$500,000
Replacement of Blow-Off Stems	\$250,000				
ROV and Large Valve Repair and Upgrades	\$500,000	\$500,000			
Cathodic Protection Construction	\$500,000	\$500,000	\$1,000,000	\$1,000,000	\$1,000,000
Distribution System Upgrades	\$8,000,000	\$14,000,000	\$2,000,000	\$1,000,000	\$1,000,000
Tanksite Improvements	\$700,000				
Water Quality Monitoring System	\$1,000,000				
90 & 72 inch Supply Line Upgrades (Tollway)	\$10,000,000				
Meter Station Rehab	\$300,000				
<b>Totals</b>	<b>\$32,305,000</b>	<b>\$21,050,000</b>	<b>\$7,300,000</b>	<b>\$4,800,000</b>	<b>\$2,800,000</b>

**DUPAGE WATER COMMISSION  
2020 – 2025  
FIVE YEAR CAPITAL IMPROVEMENT PLAN**





DUPAGE WATER COMMISSION  
2020 – 2025  
FIVE YEAR CAPITAL IMPROVEMENT PLAN



**DUPAGE WATER COMMISSION  
2020 – 2025  
FIVE YEAR CAPITAL IMPROVEMENT PLAN**

**DUPAGE PUMP STATION IMPROVEMENTS**



**DUPAGE WATER COMMISSION  
2020 – 2025  
FIVE YEAR CAPITAL IMPROVEMENT PLAN**

**PROJECT:** Pump #10

**LOCATION:** DuPage Pumping Station

**DESCRIPTION:** Install 30 MGD split case centrifugal pump, 1750 H.P. motor, and associated piping in space reserved for future pump.

**PURPOSE:** To increase total pumping capacity from 185 MGD to 215 MGD to satisfy future demand requirements and increase firm rated pumping capacity to 185 MGD.

**BENEFIT:** To keep up with current rising water demand, new customers, and maintain current ability to remove pumps from service without reducing pumping capacity.

**ESTIMATED COST: (CURRENT YEAR DOLLARS)**

**COST:** \$1,500,000

**TIMING:** Fiscal year 2019-2021 – Engineering & Installation

**DUPAGE WATER COMMISSION  
2020 – 2025  
FIVE YEAR CAPITAL IMPROVEMENT PLAN**

**PROJECT:** Replacement of SCADA System

**LOCATION:** DuPage Pumping Station

**DESCRIPTION:** Replace the Commission Current Supervisory Control and Data Acquisition (SCADA) system.

**PURPOSE:** The current SCADA system has been in place since 1991 with two major hardware and software upgrades over the years. The system is a sole source proprietary system from a manufacturer in California. The only source of support is in California.

**BENEFIT:** The Commission would like to replace the SCADA system with an open source system where there are multiple local vendors available for support.

**ESTIMATED COST: (CURRENT YEAR DOLLARS)**

**COST:** \$6,800,000

**TIMING:** Fiscal year 2019-2022 – Engineering/installation/implementation

**DUPAGE WATER COMMISSION  
2020 – 2025  
FIVE YEAR CAPITAL IMPROVEMENT PLAN**

**PROJECT:** Radio Back Haul System (To be Completed in Conjunction with Replacement of SCADA System)

**LOCATION:** DuPage Pumping Station / Remote Sites

**DESCRIPTION:** Replace existing back haul system with a microwave radio system or dedicated fiber optic lines that will transmit SCADA field data between the Commission's master radio and the Commission headquarters. This project will be completed in conjunction with the SCADA system replacement and security system upgrades.

**PURPOSE:** Eliminate cost of support AT&T lines and eliminates the dependency on other agencies thereby increasing the reliability of the Commission communication system.

**BENEFIT:** The microwave radio system or dedicated fiber optic lines would impose communication up-time and reduce long term maintenance and support costs from AT&T.

**ESTIMATED COST: (CURRENT YEAR DOLLARS)**

**COST:** \$450,000

**TIMING:** Fiscal year 2020-2021 – Engineering & Installation

**DUPAGE WATER COMMISSION  
2020 – 2025  
FIVE YEAR CAPITAL IMPROVEMENT PLAN**

**PROJECT:** Security System Upgrades

**LOCATION:** DuPage Pumping Station / Remote Sites

**DESCRIPTION:** Upgrade and augment existing surveillance cameras, fencing, intrusion detection, and security communication systems at the Commission Pumping Station and remote facilities. Also, to fund any security concerns brought up by the Risk and Resiliency Assessment the Commission is currently completing.

**PURPOSE:** Update and improve the Commission's ability to monitor and protect its assets from vandalism or security threats.

**BENEFIT:** Provide the Commission with the most current, reliable, cost efficient, and up-to-date security system. Securing the Commission assets is essential to providing clean and safe water to the resident of DuPage County.

**ESTIMATED COST: (CURRENT YEAR DOLLARS)**

**COST:** \$4,800,000

**TIMING:** Fiscal years 2020-2024 – Engineering & Installation

**DUPAGE WATER COMMISSION  
2020 – 2025  
FIVE YEAR CAPITAL IMPROVEMENT PLAN**

**PROJECT:**      **DWC System Upgrade Studies**

**LOCATION:**     DuPage Water Commission

**DESCRIPTION:** Various small studies performed by approved engineering firms to address future system needs.

**PURPOSE:**     Maintain the Commission ability to potential operating issues.

**BENEFIT:**      Provide the Commission with continuity of service using most current, reliable and cost-effective means to ensure system integrity.

**ESTIMATED COST: (CURRENT YEAR DOLLARS)**

**COST:**          \$300,000

**TIMING:**        Fiscal years 2020-2021 – Engineering

**DUPAGE WATER COMMISSION  
2020 – 2025  
FIVE YEAR CAPITAL IMPROVEMENT PLAN**

**PROJECT:** High Lift Pump Rehabilitation

**LOCATION:** DuPage Pumping Station

**DESCRIPTION:** Develop and issue repair contract for: removing each vertical main pump (Pumps No. 1, 2, and 3) shipping the pumps to an offsite specialty facility for repair and reconditioning of the pumps.

**PURPOSE:** There is excessive leakage from mechanical seals on the three (3) vertical main pumps, particularly pumps No. 1 & 2. Attempts to resolve the seal leakage issue through field service have not been successful over the long term.

**BENEFIT:** Repairing the pumps will help to extend their useful life while eliminating safety and housecleaning issues caused by the water leakage.

**ESTIMATED COST: (CURRENT YEAR DOLLARS)**

**COST:** \$300,000 per year (\$1,500,000)

**TIMING:** Fiscal years 2020-2025 – Work Completion



**DUPAGE WATER COMMISSION  
2020 – 2025  
FIVE YEAR CAPITAL IMPROVEMENT PLAN**

**PROJECT:** Admin Bldg./Pump Station Building Rehab

**LOCATION:** DuPage Pumping Station

**DESCRIPTION:** The project includes the Replacement of the Window/Curtainwall System and the replacement of various doors on the campus and perform various ancillary work related to the curtainwall system.

**PURPOSE:** The Administration Building / Pump Station is nearing 30 years old. Areas of the building have deteriorated due to the normal effects of age and use. To replace the curtainwall system and various ancillary equipment.

**BENEFIT:** Improve energy efficiency by sealing up the failing window/curtainwall system and providing Low-E glass. Rehabilitation of these issues will return building to near original condition and increase life expectancies.

**ESTIMATED COST: (CURRENT YEAR DOLLARS)**

**COST:** \$1,650,000

**TIMING:** Fiscal years 2020-2021 – Engineering & Installation

**DUPAGE WATER COMMISSION  
2020 – 2025  
FIVE YEAR CAPITAL IMPROVEMENT PLAN**

**PROJECT:**           **DPPS Generator Bldg. Facility Improvements**

**LOCATION:**           DuPage Generator Building

**DESCRIPTION:**    Modify the Emergency Generator System from four (4) stationary units and one (1) portable unit to five (5) stationary units; provide superstructure enclosure for the 5<sup>th</sup> stationary generator, add mechanical, electrical and process elements for the 5<sup>th</sup> stationary generator; replace the generation system fuel management system; upgrade the generator control system; improve HVAC elements within the facility; and provide rooftop access.

**PURPOSE:**         Modifications to provide all stationary generator units increase environmental safety, employee safety and improve maintenance which is severely hampered by the portable enclosure; provide improved fuel system controls to improve environmental safety and ease of operation; update the discontinued PLCs and upgrade the PLC based program and operator interface; improve HVAC conditioned spaces for equipment operation and employee comfort; replace ladder access with stairway access to roof tops.

**BENEFIT:**         Increase safety and reduce risk, by housing fifth generator inside with better containment and updated controls. Increase the lifespan of electronic equipment by improving the environments to which they are installed and operate; reduce the risk of employee and contractor slips and falls by eliminating ladders in lieu of fixed stairs.

**ESTIMATED COST: (CURRENT YEAR DOLLARS)**

**COST:**             \$3,105,000.00

**TIMING:**           Fiscal years 2020-2023 – Engineering & Installation

**DUPAGE WATER COMMISSION  
2020 – 2025  
FIVE YEAR CAPITAL IMPROVEMENT PLAN**

**PROJECT:** Control Laboratory Renovation

**LOCATION:** DuPage Pumping Station

**DESCRIPTION:** This project will rehabilitate current laboratory and update laboratory equipment.

**PURPOSE:** Improve laboratory analysis capabilities.

**BENEFIT:** Gives us the ability to perform required EPA analysis as well as expand our capability to analyze a broader range of water quality parameters.

**ESTIMATED COST: (CURRENT YEAR DOLLARS)**

**COST:** \$200,000

**TIMING:** Fiscal year 2020-2021 – Work Completion

**DUPAGE WATER COMMISSION  
2020 – 2025  
FIVE YEAR CAPITAL IMPROVEMENT PLAN**

**PROJECT:** ComEd Yard Rehabilitation (To be Completed in Conjunction with Admin Bldg./Pump Station Building Rehab)

**LOCATION:** DuPage Pumping Station

**DESCRIPTION:** This project will include rehabilitation and or replacement of portions of the ComEd Yard security and blast walls.

**PURPOSE:** During the condition assessment several signs of deterioration were identified. Work will include:

- Masonry tuckpointing and restoration
- Replacement of wall seals
- Painting of corroded metallic surfaces
- Repair of cracked or deteriorated concrete areas
- Sealing of water leakage at cracks

**BENEFIT:** Rehabilitation or replacement of issues will return ComEd Yard to near original condition and increase life expectancies.

**ESTIMATED COST: (CURRENT YEAR DOLLARS)**

**COST:** \$780,000

**TIMING:** Fiscal year 2019-2021 – Work Completion

**DUPAGE WATER COMMISSION  
2020 – 2025  
FIVE YEAR CAPITAL IMPROVEMENT PLAN**

**PROJECT:** West Discharge Tunnel Rehabilitation (To be Completed in Conjunction with Admin Bldg./Pump Station Building Rehab)

**LOCATION:** DuPage Pumping Station

**DESCRIPTION:** This project will include possible excavation of area surrounding the west discharge pipe and identify areas of water infiltration and damaged concrete wall and or seals.

**PURPOSE:** During the condition assessment several signs of deterioration were identified. Work will include:

- Sealing of water leakage at wall penetration
- Masonry tuckpointing and restoration
- Replacement of link-seals as needed
- Painting of corroded metallic surfaces
- Repair of cracked or deteriorated concrete areas

**BENEFIT:** Eliminate water infiltration into pump station around west discharge piping and prevent damage to pipe and surrounding concrete.

**ESTIMATED COST: (CURRENT YEAR DOLLARS)**

**COST:** \$420,000

**TIMING:** Fiscal year 2019-2021 – Work Completion

**DUPAGE WATER COMMISSION  
2020 – 2025  
FIVE YEAR CAPITAL IMPROVEMENT PLAN**

**PROJECT:** Replacement of Roof Mounted Exhaust Fans

**LOCATION:** DuPage Pumping Station

**DESCRIPTION:** This project will replace the roof mounted exhaust fans that have exceeded their useful life as called out in the Commission's condition assessment.

**PURPOSE:** This project will replace existing roof mounted exhaust fans with new high efficiency fans.

**BENEFIT:** Replacement of these fans will increase the efficiency of air movement throughout the buildings and decrease energy cost.

**ESTIMATED COST: (CURRENT YEAR DOLLARS)**

**COST:** \$300,000

**TIMING:** Fiscal year 2021-2022 – Work Completion

**DUPAGE WATER COMMISSION  
2020 – 2025  
FIVE YEAR CAPITAL IMPROVEMENT PLAN**

**PROJECT:** Replacement of Wall Mounted Supply Fans

**LOCATION:** DuPage Pumping Station

**DESCRIPTION:** This project will replace the wall mounted supply fans that have exceeded their useful life as called out in the Commission's condition assessment.

**PURPOSE:** This project will replace existing wall mounted supply fans with new high efficiency fans.

**BENEFIT:** Replacement of these fans will increase the efficiency of air movement throughout the buildings and decrease energy cost.

**ESTIMATED COST: (CURRENT YEAR DOLLARS)**

**COST:** \$300,000

**TIMING:** Fiscal year 2021-2022 – Work Completion

**DUPAGE WATER COMMISSION  
2020 – 2025  
FIVE YEAR CAPITAL IMPROVEMENT PLAN**

**PROJECT:** Replacement of Chillers

**LOCATION:** DuPage Pumping Station

**DESCRIPTION:** This project will replace the roof mounted chillers that have exceeded their useful life as called out in the Commission's condition assessment.

**PURPOSE:** This project will replace existing chillers with new higher efficiency units.

**BENEFIT:** Replacement of these chillers will increase the efficiency of conditioning of the environment throughout the buildings and decrease energy cost.

**ESTIMATED COST: (CURRENT YEAR DOLLARS)**

**COST:** \$150,000

**TIMING:** Fiscal year 2021-2022 – Work Completion



**DUPAGE WATER COMMISSION  
2020 – 2025  
FIVE YEAR CAPITAL IMPROVEMENT PLAN**

**DISTRIBUTION & STORAGE IMPROVEMENTS**



**DUPAGE WATER COMMISSION  
2020 – 2025  
FIVE YEAR CAPITAL IMPROVEMENT PLAN**

**PROJECT:**      **Condition Assessment Remediation**

**LOCATION:**      Various Locations within Cook and DuPage Counties

**DESCRIPTION:** Address any deficiencies identified in the Condition Assessment Report.

**PURPOSE:**      Deficiencies identified to primary, backup, or ancillary equipment would be rectified to prevent any system failures.

**BENEFIT:**      Remediation of problems, possible structural defects, or equipment inadequacies in the Commission assets. This remediation will help avoid any concerns that could affect the Commission's ability to deliver water either short or long term.

**ESTIMATED COST: (CURRENT YEAR DOLLARS)**

**ENGINEERING:**      \$2,750,000

**TIMING:**      Fiscal years 2020-2025 – Engineering

**DUPAGE WATER COMMISSION  
2020 – 2025  
FIVE YEAR CAPITAL IMPROVEMENT PLAN**

**PROJECT:** Replacement of Blow-off Valves Stems

**LOCATION:** Various Locations within Cook and DuPage Counties

**DESCRIPTION:** Replacement of blow-off valve stem risers that have corroded over the years. The original hollow core risers will be replaced with solid core Aluminum riser that have a much longer life span.

**PURPOSE:** As the current valve stems continue to age and corrode, they are starting to break when operated. These failures increase the time and costs to facilitate pipeline repairs and routine maintenance. As a result, it may extend the length of pipeline isolations which interrupts the supply to Commission customers.

**BENEFIT:** Eliminate the possible inability to operate the Commission's transmission line valves when needed.

**ESTIMATED COST: (CURRENT YEAR DOLLARS)**

**COST:** \$250,000

**TIMING:** Fiscal years 2019-2021 – Engineering & Construction

**DUPAGE WATER COMMISSION  
2020 – 2025  
FIVE YEAR CAPITAL IMPROVEMENT PLAN**

**PROJECT:** ROV and Large Valve Repair and Upgrades

**LOCATION:** Various Locations within Cook and DuPage Counties

**DESCRIPTION:** Replace existing large diameter butterfly valves.

**PURPOSE:** As the current valves continue to age, they are starting to fail when operated. These failures increase the time and costs to facilitate pipeline repairs and routine maintenance. As a result, it may extend the length of pipeline isolations which interrupts the supply to Commission customers.

**BENEFIT:** Eliminate the need to utilize multiple valves during transmission line shutdowns and reduce interrupts in service to our customers.

**ESTIMATED COST: (CURRENT YEAR DOLLARS)**

**COST:** \$1,000,000

**TIMING:** Fiscal years 2020-2022 – Engineering & Construction

**DUPAGE WATER COMMISSION  
2020 – 2025  
FIVE YEAR CAPITAL IMPROVEMENT PLAN**

**PROJECT:**      **Cathodic Protection Construction**

**LOCATION:**      Various Locations within Cook and DuPage Counties

**DESCRIPTION:** Design and construction of corrosion mitigation measures for steel water mains.

**PURPOSE:**      Mitigating the influences of corrosion, and/or stray electrical current, on the Commission's steel water mains.

**BENEFIT:**      Extend the life of the water mains which will increase the time between replacement and decrease the amount of water lost due to leakage.

**ESTIMATED COST: (CURRENT YEAR DOLLARS)**

**COST:**            \$4,000,000

**TIMING:**          Fiscal years 2020-2025 – Engineering & Construction

**DUPAGE WATER COMMISSION  
2020 – 2025  
FIVE YEAR CAPITAL IMPROVEMENT PLAN**

**PROJECT:**       **Distribution System Upgrades**

**LOCATION:**       Various Locations within Cook and DuPage Counties

**DESCRIPTION:** Enhancements to the Commission distribution system which will provide redundancy and allow for maintenance of valves, pipes, and other structures in the distribution system as well as renovate ROV vaults through the system.

**PURPOSE:**       As water demands have changed through the years it has become necessary to increase the Commission ability to move water around the system. These enhancements will allow for redundant flow paths and a reduction in hydraulic stresses caused by partial system shutdowns. They will also help reduce the extent and duration of pipeline isolations which may alter normal flow patterns to our customers.

**BENEFIT:**       Eliminate current hydraulic bottlenecks and increase the Commission ability to re-route flow pattern during repairs or shutdowns while insuring a reliable delivery system for our customers.

**ESTIMATED COST: (CURRENT YEAR DOLLARS)**

**COST:**           \$26,000,000

**TIMING:**         Fiscal years 2020-2025 – Engineering & Construction

**DUPAGE WATER COMMISSION  
2020 – 2025  
FIVE YEAR CAPITAL IMPROVEMENT PLAN**

**PROJECT:** Tank Site Improvements

**LOCATION:** Tank Sites 1 through 4

**DESCRIPTION:** Asphalt Rehabilitation, Concrete Vault Rehabilitation, Drainage Improvements, Fencing Improvements and Electrical Improvements.

**PURPOSE:** Remove and replace failing driveways and concrete structures; install safety upgrades to vault hatch structures to maintain OSHA compliance; re-establish grade lines to improve site drainage and add storm sewers; replace aged chain-link fences and gates; install underground electrical conduits for future security upgrades; relocate existing electrical services and metering elements outside of the secure perimeter.

**BENEFIT:** The re-establishment of solid driving surfaces and installing storm sewers promotes positive drainage eliminates ongoing erosion at the sites. Fencing upgrades and electrical installations are necessary to harden the security at the sites now and for future planned security system upgrades.

**ESTIMATED COST: (CURRENT YEAR DOLLARS)**

**COST:** \$700,000

**TIMING:** Fiscal years 2019-2021 – Engineering & Construction

**DUPAGE WATER COMMISSION  
2020 – 2025  
FIVE YEAR CAPITAL IMPROVEMENT PLAN**

**PROJECT:** Water Quality Monitoring System

**LOCATION:** Various Locations within DuPage Commission

**DESCRIPTION:** Multi-parameter online water quality analysis with integrated algorithm alarm system.

**PURPOSE:** To continuously analyze water quality parameters at various locations throughout the Commission's distribution system as well trigger automatic sampling that DWC staff could use for their water quality investigations.

**BENEFIT:** To ensure the highest water quality throughout the DWC system.

**ESTIMATED COST: (CURRENT YEAR DOLLARS)**

**COST:** \$1,000,000

**TIMING:** Fiscal years 2020-2021 – Engineering & Construction



**DUPAGE WATER COMMISSION  
2020 – 2025  
FIVE YEAR CAPITAL IMPROVEMENT PLAN**

**PROJECT:** 90- & 72-Inch Supply Line Upgrades (Tollway)

**LOCATION:** East of DuPage Pump Station under tollway

**DESCRIPTION:** Relocation of the 90- & 72-inch water supply.

**PURPOSE:** Potential pipeline work needed for the upcoming tollway expansion to protect the incoming 90- & 72-inch water supply.

**BENEFIT:** To ensure continuous water supply to DWC.

**ESTIMATED COST: (CURRENT YEAR DOLLARS)**

**COST:** \$10,000,000 (If needed)

**TIMING:** Fiscal years 2020-2021 – Engineering & Construction

**DUPAGE WATER COMMISSION  
2020 – 2025  
FIVE YEAR CAPITAL IMPROVEMENT PLAN**

**PROJECT:** Meter Station Rehab (To be Completed in Conjunction with Tank Site Improvements)

**LOCATION:** Various locations within DuPage Water Commission

**DESCRIPTION:** Rehabilitation of Meter Station 26B and other Meter Stations as needed.

**PURPOSE:** For structural and utility improvements and upgrades as needed.

**BENEFIT:** To ensure station integrity and operations.

**ESTIMATED COST: (CURRENT YEAR DOLLARS)**

**COST:** \$300,000

**TIMING:** Fiscal years 2020-2021 – Engineering & Construction