



AGENDA – Board of Commissioners

Thursday, June 15, 2023 6:30 P.M.

- I. Call to Order and Pledge of Allegiance
Pledge of Allegiance & Flag Presentation by Troop 20 – Wheaton, IL

- II. Roll Call

- III. Public Comments (limited to 3 minutes per person)

- IV. Oath of Office

Mr. Nicholas J. Cuzzone – Municipal Representative – District 2

- V. Approval of Minutes

(Concurrence of a Majority of those Commissioners Present, provided there is a quorum—minimum 4)

RECOMMENDED MOTION: To approve the Minutes of the May 18, 2023 Regular Meeting of the DuPage Water Commission (Voice Vote)

- VI. Treasurer’s Report

(Concurrence of a Majority of those Commissioners present, provided there is a quorum—minimum 4)

RECOMMENDED MOTION: To accept the May 2023 Treasurer's Report (Voice Vote).

- VII. Committee Reports

- A. Finance Committee

1. Report of 6/15/23 Finance Committee
2. Resolution No. R-29-23: A Resolution to approve Task Order #2 under a Master Services Agreement with Raftelis, Inc., for Financial Advisory Services for the Alternative Source Water Project in the not to exceed amount of \$50,000.00.

(Affirmative Majority of the Appointed Commissioners, containing the votes of at least 1/3 of the County Appointed Commissioners and 40% of the Municipal Appointed Commissioners—3 County + 3 Muni+1=7)

3. Actions on other items listed on the 6/15/23 Finance Committee Agenda.

B. Administration Committee

1. Report of 6/15/23 Administration Committee
2. Resolution No. R-23-23: A Resolution to authorize the purchase of two (2) 2023-2024 Ford Explorer Sport Utility Vehicles from Roesch Ford of Bensenville Illinois in the estimated amount of \$83,520.00.

(Concurrence of a Majority of those Commissioners Present, provided there is a quorum—minimum 4)

3. Resolution No. R-27-23: A Resolution approving the Intergovernmental Escrow Agreement with WaterLink communities of Montgomery, Oswego and Yorkville.

(Affirmative Majority of the Appointed Commissioners, containing the votes of at least 1/3 of the County Appointed Commissioners and 40% of the Municipal Appointed Commissioners—3 County + 3 Muni+1=7)

RECOMMENDED MOTION: To adopt item numbers 2 and 3 under the Administration Committee Report section of the agenda in a single group pursuant to the Omnibus Vote procedures. (Roll Call)

4. Actions on Other Items Listed on 6/15/23 Administration Committee Agenda

C. Engineering & Construction Committee

1. Report of 6/15/23 Engineering & Construction Committee
2. Resolution No. R-24-23: A Resolution Approving a Second Amendment to Task Order No. 6 for design, resident engineering, and commissioning of new cathodic protection system for the inner belt transmission main under a Master Contract with DeLasCasas CP, LLC, at a not to exceed cost of \$62,500.00.

(Affirmative Majority of the Appointed Commissioners, containing the votes of at least 1/3 of the County Appointed Commissioners and 40% of the Municipal Appointed Commissioners—3 County + 3 Muni+1=7)

3. Resolution No. R-25-23: A Resolution Approving First Amendments to Task Order Nos. 06 and 07 under a Master Contract with Northern Inspection Services, LLC Task Order No. 06 - Estimated Not-To-Exceed \$26,720.00 and Task Order No. 07 - Estimated not to exceed \$45,800.00

(Affirmative Majority of the Appointed Commissioners, containing the votes of at least 1/3 of the County Appointed Commissioners and 40% of the Municipal Appointed Commissioners—3 County + 3 Muni+1=7)

4. Resolution No. R-26-23: A Resolution Approving and Ratifying Certain Change Orders for a Contract for the Construction of DPPS Emergency Generation System Modifications. Contract PSD-10/22, Change Order No. 02 – Increase of Contract Price by \$53,700.11.

(Affirmative Majority of the Appointed Commissioners, containing the votes of at least 1/3 of the County Appointed Commissioners and 40% of the Municipal Appointed Commissioners—3 County + 3 Muni+1=7)

5. Resolution R-28-23: A Resolution approving an Engineering Contract for WaterLink Pipeline Extension (LAN and Associates – Phase I Services – \$4,263,649.00) initial authorization not to exceed \$600,000.00.

(Affirmative Majority of the Appointed Commissioners, containing the votes of at least 1/3 of the County Appointed Commissioners and 40% of the Municipal Appointed Commissioners—3 County + 3 Muni+1=7)

6. Resolution No. R-30-23 A Resolution to Approve Certain Revised Work Authorization Orders Under Quick Response Contract QR-12/21, WAO No. 016R1 – Benchmark Construction – Additional Cost of \$299,803.19

(Affirmative Majority of the Appointed Commissioners, containing the votes of at least 1/3 of the County Appointed Commissioners and 40% of the Municipal Appointed Commissioners—3 County + 3 Muni+1=7)

7. Resolution R-31-23: A Resolution to Approve Certain Work Authorization Orders Under Quick Response Contract QR-12/21, WAO No. 020 – Rossi Contractors – Estimated Cost of \$105,610.00.

(Affirmative Majority of the Appointed Commissioners, containing the votes of at least 1/3 of the County Appointed Commissioners and 40% of the Municipal Appointed Commissioners—3 County + 3 Muni+1=7)

RECOMMENDED MOTION: To adopt item numbers 2 through 7 under the Engineering & Construction Report section of the agenda in a single group pursuant to the Omnibus Vote procedures. (Roll Call)

8. Actions on Other Items Listed on 6/15/23 Engineering & Construction Committee Agenda

VIII. Accounts Payable

A. May 2023

1. Approval of Accounts Payable invoices received

RECOMMENDED MOTION: To approve the Accounts Payable in the amount of \$11,132,691.17 (May 2023), subject to submission of all contractually required documentation, for invoices that have been received (Roll Call). (Affirmative Majority of the Appointed Commissioners, containing the votes of at least 1/3 of the County Appointed Commissioners and 40% of the Municipal Appointed Commissioners—3 County + 3 Muni+1=7)

2. Approval of Accounts Payable estimated invoices

RECOMMENDED MOTION: To approve the Accounts Payable in the amount of \$2,610,875.00 (May 2023), subject to submission of all contractually required documentation, for invoices that have not yet been received but have been estimated (Roll Call). (Affirmative Majority of the Appointed Commissioners, containing the votes of at least 1/3 of the County Appointed Commissioners and 40% of the Municipal Appointed Commissioners—3 County + 3 Muni+1=7)

IX. Chairman's Report

X. Old Business

- A. Source Water Project update / coordination with partner agencies

XI. New Business

XII. Executive Session

(Concurrence of a Majority of those Commissioners Present, provided there is a quorum—minimum 4)

RECOMMENDED MOTION: To go into Executive Session to discuss security procedures pursuant to 5 ILCS 120/2(c)(8), to discuss matters related to personnel pursuant to 5 ILCS 120/2(c)(1) and (2), to discuss acquisition of real estate pursuant to 5 ILCS 120/2(c)(5), to discuss pending, probable, or imminent litigation pursuant to 5 ILCS 120/2(c)(11), and/or to discuss minutes of closed meetings pursuant to 5 ILCS 120/2(c)(21) (Roll Call).

RECOMMENDED MOTION: To come out of Executive Session (Voice Vote).

XIII. Adjournment

(Concurrence of a Majority of those Commissioners Present, provided there is a quorum—minimum 4)

Minutes of a Meeting
of the

BOARD OF COMMISSIONERS

DuPage Water Commission
600 E. Butterfield Road, Elmhurst, Illinois

May 18, 2023

- I. The meeting was called to order by Chairman Zay at 6:34 PM

Troop 35 from Wheaton presented the flag and led the Pledge of Allegiance.

II. Roll Call

Commissioners in attendance: D. Bouckaert, J. Broda, J. Fennell, D. Novotny, J. Pruyn, K. Rush, D. Russo, F. Saverino, P. Suess, D. Van Vooren, J. Zay.

Commissioners absent: J. Healy

Also in attendance: P. May, C. Bostick, C. Peterson, M. Weed, D. Panaszek, D. Cuvalo, D. Mundall, Z. Evans, J. Haney

III. Public Comments

No public comment was offered.

IV. Plaque Presentation

Chairman Zay asked Commissioner Joe Broda to join him. He presented Commissioner Broda a plaque in recognition of his many years of service to the Commission. Commissioner Broda thanked the Board for the opportunity to serve and shared memories from the inception of the Commission. Commissioner Gans was also recognized for his service to the Commission, although he was not in attendance.

V. Water Ambassador Presentation

The Commission was presented with the Water Ambassador Certificate by representatives from the Illinois Section American Water Works Association, Mr. Ralph Gross, Mr. Jonathan Meyer and Ms. Tracy Leach.

VI. Approval of Minutes

Commissioner Russo moved to approve the minutes of the April 20, 2023 Regular Meeting of the DuPage Water Commission, seconded by Commissioner Broda, unanimously approved by a voice vote.

Ayes: D. Bouckaert, J. Broda, J. Fennell, D. Novotny, J. Pruyn, K. Rush, D. Russo, F. Saverino, P. Suess, D. Van Vooren, J. Zay

Nay: None

Absent: J. Healy

VII. Treasurer's Report

Treasurer Fates presented the April 2023 Treasurer's Reports consisting of 13 pages with pages 1 and 2 containing a brief summary of the report.

April 2023

Treasurer Fates noted \$227.7 million of cash and investments on page 4, relatively unchanged from the previous month. Treasurer Fates also pointed out the schedule of investments on pages 5 through 11 totaling \$195.4 million and the market yield on the total portfolio showed 2.55% which is up slightly from the prior month. On page 12, the statement of cash flows showed an increase in cash and investments by about \$10.9 million and operating activities increased by approximately \$14.9 million. Also noted on page 13, the monthly cash/operating report showed that the Commission has met all recommended reserve balances.

Commissioner Pruyn moved to accept the April 2023 Treasurer's Report, seconded by Commissioner Broda, unanimously approved by a voice vote.

Ayes: D. Bouckaert, J. Broda, J. Fennell, D. Novotny, J. Pruyn, K. Rush, D. Russo, F. Saverino, P. Suess, D. Van Vooren, J. Zay

Nay: None

Absent: J. Healy

VIII. Committee Reports

A. Finance Committee

Commissioner Suess gave an update on the Finance Committee meeting.

Item 2: Request for Board Action: Purchase Cyber Insurance (total premium of approximately \$60,000.00 as proposed by Arthur J Gallagher Risk Management)

Item 3: Request for Board Action: Authorizing the Transfer of Funds from the General Account to the Operating Reserve and Long-Term Water Capital Reserve Account

Commissioner Van Vooren questioned how long the Commission had carried cyber security insurance. Financial Administrator Peterson confirmed that this was the second year of coverage, expiring November 2024. Commissioner Van Vooren went on to ask if the premiums had increased from last year. Financial Administrator Peterson indicated the premiums had increased from the previous year but were a budgeted item and the term of the contract is longer to coincide with other insurance coverage terms and allow for beneficial bundling of coverage in the future. Commissioner Suess confirmed the level of coverage remains the same.

Commissioner Suess referenced the PFM report given to the Commissioners, noting yields and economic factors. Commissioner Van Vooren indicated that he would like staff to consider alternate and/or additional benchmarks. Financial Administrator Peterson will consult with PFM and report back.

Commissioner Seuss made a motion to adopt item numbers 2 and 3 under the Finance Committee section of the Agenda pursuant to the Omnibus Vote Procedures, seconded by Commissioner Russo, unanimously approved by a Roll Call vote.

Ayes: D. Bouckaert, J. Broda, J. Fennell, D. Novotny, J. Pruyne, K. Rush, D. Russo, F. Saverino, P. Suess, D. Van Vooren, J. Zay

Nay: None

Absent: J. Healy

B. Administration Committee

Commissioner Broda gave a brief update on the Administration Committee meeting.

Item 1: Resolution No. R-21-23: A Resolution adopting Personnel Policies for Compensatory Time, Parental Leave, and Tuition Reimbursement, as amended in committee removing the Compensatory Time Policy from the resolution.

Item 2: Resolution R-22-23: A Resolution Authorizing a short-term extension of the IUOE 399 Collective Bargaining Agreement.

Commissioner Broda made a motion adopt item numbers 1 and 2 under the Administration Committee section of the Agenda pursuant to the Omnibus Vote Procedures, seconded by Commissioner Rush, unanimously approved by a Roll Call vote.

Ayes: D. Bouckaert, J. Broda, J. Fennell, D. Novotny, J. Pruyne, K. Rush, D. Russo, F. Saverino, P. Suess, D. Van Vooren, J. Zay

Nay: None

Absent: J. Healy

C. Engineering & Construction Committee

Commissioner Fennell gave a brief update on the Engineering Committee meeting. Commissioner Fennell went on to report that he took part in the interviews of three shortlisted engineering firms for the design services on the WaterLink communities and was pleased that the Commission received several excellent proposals. General Manager May indicated that this was a big step in the project with the next activity being approval of the Intergovernmental Agreement with the communities, which is tentatively scheduled for the June meeting.

Item 1: Resolution No. R-19-23: A Resolution to Authorize the Purchase and Installation of Two (2) Custom Fabric Storage Structures, at a not-to-exceed cost of \$70,000.00.

Item 2: Resolution No. R-20-23: A Resolution Approving and Ratifying Certain Task Orders under a Master Contract with Donohue and Associates for Design Services for ROV10A and MS19B Improvements, Task Order NO. 01, at an estimated cost of \$75,000.00.

Commissioner Fennell moved to approve Items 1-2 under the Engineering & Construction Committee Report section of the agenda in a single group pursuant to the Omnibus Vote Procedures. Seconded by Commissioner Pruyne, unanimously approved by a roll call vote.

Ayes: D. Bouckaert, J. Broda, J. Fennell, D. Novotny, J. Pruyne, K. Rush, D. Russo, F. Saverino, P. Suess, D. Van Vooren, J. Zay

Nay: None

Absent: J. Healy

IX. Accounts Payable

A. April 2023

Item 1: To approve the Accounts Payable in the amount of \$9,073,005.63 (April 2023), subject to submission of all contractually required documentation, for invoices that have been received.

Item 2: To approve the Accounts Payable in the amount of \$3,504,875.00 (April 2023), subject to submission of all contractually required documentation, for invoices that have not yet been received but have been estimated.

Chairman Zay asked for a motion to combine and approve the accounts payable disbursements and the estimated accounts payable for March 2023, Commissioner Russo moved, seconded by Commissioner Broda and unanimously approved by a roll call vote.

Ayes: D. Bouckaert, J. Broda, J. Fennell, D. Novotny, J. Pruyn, K. Rush, D. Russo, F. Saverino, P. Suess, D. Van Vooren, J. Zay

Nay: None

Absent: J. Healy

X. Chairman's Report

Chairman Zay thanked Troop 35 for joining us. He went on to offer his well wishes to Commissioner Broda on his next chapter and invited everyone to stay for cake after the meeting.

General Manager evaluations were due to Danna by May 8, 2023. He asked all Commissioners who have not yet completed them to do so at their earliest convenience.

Contract negotiations with the City of Chicago are ongoing, albeit, slowly. General Manager May expanded on that by noting that the Commission is moving forward concurrently with both avenues, City of Chicago contract negotiations and the Source Water Project.

XI. Old Business

- A. Source Water Project Update - General Manager May Indicated that the Commission continues to pursue advancement of the source water project, and noted that the next steps are to engage potential partners including other regional water wholesalers and municipalities, and to assemble a financial strategy for the project. With the Board's concurrence, Mr. May will solicit a proposal for the financial advisory services to be considered at the next meeting. Chairman Zay asked for a show of hands to continue with advancement of the project an solicitation of a proposal for financial services. The Board unanimously concurred to proceed with the next steps. Commissioner Suess requested that a second proposal also be solicited; General Manager May noted that he will proceed accordingly.
- B. WaterLink (Montgomery, Oswego, Yorkville) Update – General Manager May verified that the communities have approved Intergovernmental Agreements funding escrow.

XII. New Business

No new business was offered.

XIII. Executive Session

There was no Executive Session.

XIV. Adjournment

Commissioner Broda made a motion to adjourn, seconded by Commissioner Russo, unanimously approved by a voice vote. All aye, motion carried.

Meeting adjourned at 7:09 PM.



DuPage Water
Commission

30 YEARS OF SERVICE
Pure. Essential. Stewardship.

MEMORANDUM

To: Board of Commissioners

From: Paul D. May, P.E., General Manager

Date: 6/6/2023

Subject: **Welcome To Commissioner Nick Cuzzone, Municipal Representative for District 2**

At the June 15, 2023 DWC Board Meeting, Commissioner Nick Cuzzone will be seated as the successor to Commissioner Joseph Broda as the Municipal Representative for District 2. Mr. Cuzzone was selected by mayors of the municipalities within District 2 and will serve a 6-year term as the District 2 representative. Mr. Cuzzone is the current Mayor and a former Trustee for Villa Park, and has significant relevant experience and expertise relevant to infrastructure and construction. In particular, Mr. Cuzzone received a degree in Chemical Engineering and is a licensed Professional Engineer. Please join me in welcoming Mayor Cuzzone to the board – I have attached a bio for your information.



AGENDA – Commissioner Nick Cuzzone welcome meeting

Tuesday, June 6, 2023

1. Welcome!
2. Introduction of management staff
3. Tour of facility (40 mins)
4. **On-boarding meeting**
 - a. Organizational Structure
 - b. Technology / Commission e-mail
 - c. Governance Structure
 - d. By-laws
 - e. Budget
 - f. Commission Finances
5. **Strategic Objectives:**
 - a. Chicago Water Purchase Contract (*expires 3/19/2024*)
 - b. DWC Customer Contract (*expires 2/24/2024*)
 - c. Chicago Cost-of-Service Model
 - d. Source Water Study / Considerations
 - e. Montgomery / Oswego / Yorkville (WaterLink) system expansion
 - f. Human Resources study / recommendations
 - g. Union negotiations (*expires 4/30/2023*)

Contact any time:

Paul D. May, P.E.

General Manager

Office phone: **(630) 834-0100**

Mobile phone: [REDACTED]

e-mail: may@dpwc.org



June 7, 2023

Commissioner Nick Cuzzone
District 2 DWC Municipal Representative

RE: Welcome to the DuPage Water Commission

Dear Commissioner Cuzzone,

It is our pleasure to welcome you to the DuPage Water Commission as the municipal representative for District 2.

This year, DWC is celebrating our 30th year of providing safe, reliable, and affordable drinking water to the 1,000,000 consumers in DuPage County. It is our objective to ensure that the DuPage Water Commission remains a faithful steward of water resources for our service area and an effective collaborator with customer communities, and that we maintain a sound financial position in accordance with best management practices. We are pleased to welcome you to our commission to join us in the pursuit of continuing to serve our communities as the premier water agency in Illinois. Your term commenced at the May 18th Board of Commissioners meeting (the first meeting following your appointment), and will continue for a term of 6 years.

We are looking forward to meeting with you and providing a tour of our facilities, at which time will provide additional detail regarding strategic goals and objectives as to review governance and operating procedures, and answer any questions that you might have. We will also be providing at that time an assembly of supporting documents for your records, which will include the following:

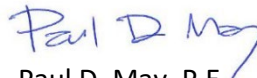
- Meeting schedule
- Commissioner contact list
- Staff contact list
- Communiques from the last 6 months
- General Managers reports from the last three meetings
- By-laws
- FY 2022-23 budget
- FY 2021-22 audit
- Water Commission Act of 1985
- Customer Contract
- Chicago Contract
- Water 1-2-3 document
- A flash drive with all of the above

Your first Board Meeting will take place on June 15th at 6:30 pm, and will be preceded by the Finance Committee at 5:45, the Engineering Committee meeting at 6:00, and the Administration Committee meeting at 6:15. You will be initially assigned to the Administration Committee as the successor for Joe Broda, former District 2 Municipal representative. Please feel welcome to attend the Administration Committee on June 15th as well. In the meantime, do not hesitate to contact me should you have any questions or desire any additional information.

Sincerely,



James F. Zay
Chairman of the Board



Paul D. May, P.E.
General Manager

CE: *DWC Board of Commissioners*
File

Nicholas J. Cuzzone, P.E.

Areas of Expertise

- Phase I Environmental Property Assessments
- Phase II Subsurface Soil and Groundwater
- Investigations Phase III Contaminated Site Remediation
- Underground Storage Tank (UST) Assessments, Removals and Closures
- Contaminant Characterization and Delineation – Remedial Options Evaluation
- Design and Installation of Soil and Water Remediation Systems
- Air Permitting
- Asbestos Inspection and Assessment

Professional Registrations & Certifications

- Professional Engineer, Illinois License
- #: 062-050060 40-Hour OSHA 29CFR1910.120 HAZWOPER
- Licensed Asbestos Inspector, State of Illinois Department of Health License #: 100-08291

Education

- B.S., Chemical Engineering, University of Illinois, Chicago, Illinois

Professional Experience

EPS Environmental Services, Inc

July 1997-Present

Senior Project Engineer & Managing Partner

Performs or directly supervises Phase I Environmental Assessments and Phase II Subsurface Soil and Groundwater Investigations. Manages and oversees Leaking Underground Storage Tank (LUST) sites, UST assessments and removals, and Illinois Environmental Protection Agency (IEPA) Site Remediation Program (SRP) projects.

Premier Environmental, Ltd.

1992-July 1997

President

Performed Phase I and Phase II Assessments, UST assessments and removals, and site remediation. Also conducted air permitting, sanitary district reporting and other environmental consulting.

Quality Analytical Labs

1989-1992

Inorganic Lab Manager

Ensured current developments in environmental field were integrated into laboratory procedures. Provided technical support, consulting, and engineering services. Responsible for scheduling all field work and analyses. Staffed and trained personnel.

Magnetic Inspection Laboratories

1988-1989

Chemical Services Manager

Managed passivation and etching department and maintained process baths. Designed and maintained wastewater treatment system. Facilitated and supervised compliance with state and federal environmental protection agencies, and with OSHA and Right-to-Know laws. Maintained sanitary district requirements and compliance.

C.J. Saporito Plating

1984-1988

Technical Director

Performed quality, pollution and laboratory control. Maintained EPA, OSHA and sanitary district requirements and compliance.



MEMORANDUM

To: Chairman and Commissioners
From: Bill Fates, Treasurer
Date: 6/6/2023
Subject: TREASURER'S REPORT – May 31, 2023

I am pleased to report that I have reviewed and approved all journal entries and bank reconciliations for the month of May. I have also reviewed the monthly financial statements and budget status reports and found them to be in order.

Summary of Cash & Investments (Page 4)

1. Cash and investments totaled \$225.6 million on May 31st, a decrease of \$2.2 compared to the previous month.
2. The balance in the BMO Harris checking account was \$28.9 million on May 31st, a decrease of \$3.4 million compared to the \$32.3 million reported last month.
3. The BMO Harris money market accounts had \$2.7 million at month-end, relatively unchanged from the prior month.
4. During the month of May, the IIIT money market accounts increased by \$0.8 million from the prior month.
5. In May, corporate notes and asset backed/collateralized mortgage obligations increased by \$5.9 million and \$3.4 million, respectively. U.S. Treasury and U.S. Agency investments decreased by \$8.0 million and \$1.0 million, respectively.
6. The current holdings of cash and investments are in compliance with the approved investment policy.
7. For the one month ended May 31, 2023, the Commission's cash and investments decreased a total of \$2.2 million.
 - The Operating & Maintenance Account decreased by \$2.4 million for an ending balance of \$29.9 million.
 - The General Account decreased by approximately \$3.5 million for an ending balance of \$23.8 million.

- The Operating Reserve Account increased by approximately \$1.6 million for a balance of \$75.7 million.
- The Capital Reserve Fund increased by approximately \$53,000 for a balance of \$66.4 million.
- The Long-Term Capital Reserve Account increased by approximately \$2.1 million for a balance of \$27.0 million.

Summary of the Changes in Cash and Investments by Account

Account	Balance 4/30/2023	Balance 05/31/2023	Increase (Decrease)
Operations & Maintenance	\$35,062,282	\$32,628,497	\$(2,433,785)
General Account	27,337,988	23,837,271	(3,500,717)
Operating Reserve	74,109,825	75,681,023	1,571,198
Capital Reserve	66,393,788	66,447,349	53,561
Long-Term Cap. Reserve	24,832,174	26,977,316	2,145,142
Total Cash & Investments	\$227,736,057	\$225,571,456	\$(2,164,601)

Schedule of Investments (Pages 5-11)

1. The average yield to maturity on the Commission’s investments was 2.76%, up from the prior month average yield to maturity of 2.55%.
2. The portfolio ended the month of May 2023 with \$6.7 million of unrealized losses, compared to \$6.0 million in unrealized losses at April 30, 2023.
3. The amortized cost of our investments was \$195.7 million at May 31st.

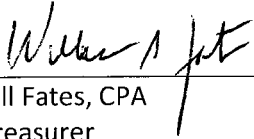
Statement of Cash Flows (Page 12)

1. The statement of cash flows shows a breakdown of the \$2.2 million decrease in cash and investments for the fiscal year.
2. Operating activities decreased cash by approximately \$2.4 million as of the end of May 2023.
3. The decrease in Loans Receivable increased cash by approximately \$36,000.
4. Capital Assets purchased were \$69,000.
5. Cash flow from investment activity generated approximately \$286,000 of income.

Reserve Analysis (Page 13)

1. The Operating Reserve account was \$75.7 million which is approximately 180 days, this amount meets the minimum balance per the reserve policy.
2. The Operating and Maintenance Account was \$32.6 million which is a balance currently sufficient to cover an estimated 78 days of normal operation and maintenance costs.
3. The reserve analysis report shows the Commission has met all recommended reserve balances on May 31st.

Respectfully submitted,


Bill Fates, CPA
Treasurer

DU PAGE WATER COMMISSION
 TREASURER'S REPORT
 SUMMARY OF CASH AND INVESTMENTS
 5/31/2023

FUNDS CONSIST OF:	5/31/2023	4/30/2023	INCR. - (DECR.)
PETTY CASH	1,300.00	1,300.00	0.00
CASH AT HARRIS BANK	29,879,164.07	32,318,284.06	(2,439,119.99)
TOTAL CASH	29,880,464.07	32,319,584.06	(2,439,119.99)
IIIT MONEY MARKET FUNDS	8,749,227.01	7,957,027.94	792,199.07
BMO HARRIS MONEY MARKET FUNDS	2,748,032.97	2,742,697.86	5,335.11
U. S. TREASURY INVESTMENTS	100,557,338.66	108,559,648.96	(8,002,310.30)
U. S. AGENCY INVESTMENTS	29,241,342.12	30,245,516.74	(1,004,174.62)
MUNICIPAL BONDS	9,623,542.82	10,429,669.17	(806,126.35)
COMMERCIAL PAPER	1,983,085.28	1,974,190.00	8,895.28
ASSET BACKED SEC/COLLATERALIZED MORTGAGE OBLIG	28,665,375.08	25,294,533.30	3,370,841.78
CERTIFICATES OF DEPOSIT	0.00	0.00	0.00
CORPORATE NOTES	14,123,048.45	8,213,189.21	5,909,859.24
TOTAL INVESTMENTS	195,690,992.39	195,416,473.18	274,519.21
TOTAL CASH AND INVESTMENTS	225,571,456.46	227,736,057.24	(2,164,600.78)
	5/31/2023	4/30/2023	% CHANGE
IIIT MONEY MARKET FUNDS	4.6%	4.1%	10.0%
BMO HARRIS MONEY MARKET FUNDS	1.4%	1.4%	0.2%
U. S. TREASURY INVESTMENTS	51.4%	55.6%	-7.4%
U. S. AGENCY INVESTMENTS	14.9%	15.5%	-3.3%
MUNICIPAL BONDS	4.9%	5.3%	-7.7%
COMMERCIAL PAPER	1.0%	1.0%	0.5%
ASSET BACKED SEC/COLLATERALIZED MORTGAGE OBLIG	14.6%	12.9%	13.3%
CERTIFICATES OF DEPOSIT	0.0%	0.0%	N/A
CORPORATE NOTES	7.2%	4.2%	72.0%
TOTAL INVESTMENTS	100.0%	100.0%	0.1%

Note 1 - Investments are carried at amortized cost.

DU PAGE WATER COMMISSION
 INVESTMENTS
 (Unaudited)
 May 31, 2023

FUND SOURCE	COUPON RATE	PURCHASE DATE	MATURITY DATE		YIELD TO MATURITY (COST)	PAR VALUE	PURCHASE PRICE	AMORTIZED DISCOUNT (PREMIUM)	AMORTIZED COST	ACCRUED INTEREST 05/31/23
Water Fund Oper. & Maint. Acct. (01-121103)										
BMO Harris - Money Market	2.300%	05/31/23	06/01/23	1	2.300%	\$ 2,748,032.97	\$ 2,748,032.97	0.00	\$ 2,748,032.97	-
Water Fund General Account (01-121700)										
IIIT - Money Market	5.102%	05/31/23	06/01/23	1	5.102%	6,267,021.45	6,267,021.45	0.00	6,267,021.45	-
US Treasury Notes	1.375%	11/28/22	09/30/23	122	4.730%	1,000,000.00	972,773.44	16,460.50	989,233.94	2,329.23
US Treasury Notes	0.125%	11/28/22	10/15/23	137	4.770%	1,000,000.00	960,507.81	22,760.30	983,268.11	160.52
US Treasury Notes	0.250%	11/28/22	11/15/23	168	4.800%	1,000,000.00	957,656.25	22,254.53	979,910.78	115.49
US Treasury Notes	0.125%	02/06/23	12/15/23	198	4.930%	2,000,000.00	1,920,859.38	29,009.74	1,949,869.12	1,153.85
US Treasury Notes	0.125%	02/06/23	01/15/24	229	4.910%	2,000,000.00	1,913,515.63	28,828.12	1,942,343.75	946.13
US Treasury Notes	0.125%	03/22/23	02/15/24	260	4.670%	4,000,000.00	3,841,093.75	34,188.92	3,875,282.67	1,464.09
US Treasury Notes	0.250%	03/22/23	03/15/24	289	4.610%	4,000,000.00	3,834,531.25	32,725.02	3,867,256.27	2,119.57
Fed Home Ln Discount Notes	0.000%	12/01/22	06/01/23	1	4.730%	1,000,000.00	976,643.33	23,356.67	1,000,000.00	-
Credit Agricole CIB NY	0.000%	12/02/22	07/17/23	47	5.140%	1,000,000.00	968,598.33	25,038.34	993,636.67	-
MUFG Bank LTD NY	0.000%	11/30/22	08/11/23	72	5.560%	1,000,000.00	962,252.78	27,195.83	989,448.61	-
		Weighted Avg Maturity	152		4.886%	\$ 24,267,021.45	\$ 23,575,453.40	261,817.97	\$ 23,837,271.37	\$ 8,288.88
Water Fund Operating Reserve (01-121800)										
IIIT - Money Market	5.102%	05/31/23	06/01/23	1	5.102%	974,672.53	974,672.53	0.00	974,672.53	-
US Treasury Notes	2.000%	05/28/19	04/30/24	335	2.100%	455,000.00	452,796.10	1,794.73	454,590.83	791.30
US Treasury Notes	1.500%	05/06/21	11/30/24	549	0.450%	1,000,000.00	1,036,992.19	(21,398.56)	1,015,593.63	40.98
US Treasury Notes	1.750%	01/02/20	12/31/24	580	1.650%	500,000.00	502,363.28	(1,611.86)	500,751.42	3,674.03
US Treasury Notes	4.250%	03/03/23	12/31/24	580	4.990%	1,100,000.00	1,085,949.22	1,890.24	1,087,839.46	19,629.83
US Treasury Notes	1.375%	02/03/20	01/31/25	611	1.370%	1,000,000.00	1,000,078.13	(51.97)	1,000,026.16	4,595.99
US Treasury Notes	2.000%	05/06/21	02/15/25	626	0.490%	1,000,000.00	1,056,406.25	(30,804.28)	1,025,601.97	5,856.35
US Treasury Notes	1.125%	03/02/20	02/28/25	639	0.830%	1,000,000.00	1,014,335.94	(9,316.00)	1,005,019.94	2,843.07
US Treasury Notes	0.250%	06/29/21	09/30/25	853	0.760%	1,000,000.00	978,867.19	9,539.02	988,406.21	423.50
US Treasury Notes	0.250%	11/03/20	10/31/25	884	0.390%	500,000.00	496,523.44	1,791.71	498,315.15	108.70
US Treasury Notes	0.375%	12/08/20	11/30/25	914	0.380%	925,000.00	924,819.34	89.83	924,909.17	9.48
US Treasury Notes	0.375%	01/05/21	12/31/25	945	0.370%	1,500,000.00	1,500,410.16	(197.30)	1,500,212.86	2,361.88
US Treasury Notes	0.375%	03/01/21	01/31/26	976	0.690%	1,000,000.00	984,765.63	6,959.43	991,725.06	1,253.45
US Treasury Notes	1.625%	03/01/21	02/15/26	991	0.690%	1,000,000.00	1,045,585.94	(20,652.19)	1,024,933.75	4,758.29
US Treasury Notes	0.500%	09/03/21	02/28/26	1,004	0.720%	1,000,000.00	990,507.81	3,665.59	994,173.40	1,263.59
US Treasury Notes	0.750%	06/02/21	03/31/26	1,035	0.760%	750,000.00	749,707.03	120.95	749,827.98	952.87
US Treasury Notes	0.750%	06/02/21	04/30/26	1,065	0.770%	750,000.00	749,121.09	356.77	749,477.86	489.13
US Treasury Notes	1.625%	11/05/21	05/15/26	1,080	1.050%	680,000.00	697,265.63	(5,988.62)	691,277.01	510.46
US Treasury Notes	0.750%	08/02/21	05/31/26	1,096	0.630%	500,000.00	502,753.91	(1,041.51)	501,712.40	10.25
US Treasury Notes	0.875%	10/26/21	06/30/26	1,126	1.150%	1,000,000.00	987,304.69	4,328.45	991,633.14	3,674.03
US Treasury Notes	0.625%	11/02/21	07/31/26	1,157	1.120%	750,000.00	732,744.14	5,732.02	738,476.16	1,566.82
US Treasury Notes	0.750%	01/05/22	08/31/26	1,188	1.350%	750,000.00	729,902.34	6,056.50	735,958.84	1,421.54
US Treasury Notes	0.875%	12/02/21	09/30/26	1,218	1.210%	1,000,000.00	984,414.06	4,802.49	989,216.55	1,482.24
US Treasury Notes	1.250%	02/14/22	11/30/26	1,279	1.920%	1,500,000.00	1,453,886.72	12,437.41	1,466,324.13	51.23
US Treasury Notes	1.250%	02/14/22	12/30/26	1,309	1.930%	1,500,000.00	1,453,007.81	12,453.85	1,465,461.66	7,872.93
US Treasury Notes	2.750%	05/04/22	04/30/27	1,430	2.960%	1,000,000.00	990,312.50	2,089.57	992,402.07	2,391.30
US Treasury Notes	2.375%	07/06/22	05/15/27	1,445	2.910%	750,000.00	731,923.83	3,362.53	735,286.36	822.86
US Treasury Notes	2.625%	06/03/22	05/31/27	1,461	2.940%	500,000.00	492,812.50	1,431.19	494,243.69	35.86
US Treasury Notes	2.625%	06/03/22	05/31/27	1,461	2.920%	1,000,000.00	986,289.06	2,730.15	989,019.21	71.72
US Treasury Notes	3.250%	08/05/22	06/30/27	1,491	2.780%	1,000,000.00	1,021,250.00	(3,561.45)	1,017,688.55	13,646.41
US Treasury Notes	2.750%	08/05/22	07/31/27	1,522	2.770%	1,000,000.00	998,867.19	186.62	999,053.81	9,191.99
US Treasury Notes	3.875%	01/06/23	12/31/27	1,675	3.940%	580,000.00	578,187.50	145.40	578,332.90	9,437.02
US Treasury Notes	3.500%	02/02/23	01/31/28	1,706	3.640%	650,000.00	645,962.89	263.39	646,226.28	7,604.28
US Treasury Notes	4.000%	03/03/23	02/29/28	1,735	4.240%	200,000.00	197,882.81	104.47	197,987.28	2,021.74
US Treasury Notes	3.500%	05/02/23	04/30/28	1,796	3.600%	1,500,000.00	1,493,320.31	109.80	1,493,430.11	4,565.22

DU PAGE WATER COMMISSION
INVESTMENTS
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FUND SOURCE	COUPON RATE	PURCHASE DATE	MATURITY DATE		YIELD TO MATURITY (COST)	PAR VALUE	PURCHASE PRICE	AMORTIZED DISCOUNT (PREMIUM)	AMORTIZED COST	ACCRUED INTEREST 05/31/23
Water Fund Operating Reserve (01-121800) Continued...										
Asian Development Bank Corp Notes	0.375%	06/02/21	06/11/24	377	0.400%	1,405,000.00	1,404,157.00	554.32	1,404,711.32	2,488.02
Inter-American Devel Bk Notes	0.500%	09/23/21	09/23/24	481	0.520%	710,000.00	709,474.60	295.30	709,769.90	670.56
Univ of CO Txbi Rev Bonds	2.569%	10/22/19	06/01/23	1	1.950%	280,000.00	286,036.80	(6,036.80)	280,000.00	3,596.60
Long Beach CCD, CA Txbi GO Bonds	1.743%	10/09/19	08/01/23	62	1.740%	280,000.00	280,000.00	0.00	280,000.00	1,626.80
OR ST Dept of Trans Txbi Rev Bonds	1.946%	11/07/19	11/15/23	168	1.950%	300,000.00	300,000.00	0.00	300,000.00	259.47
Houston, TX Txbi GO Bonds	1.950%	08/23/19	03/01/24	275	1.950%	765,000.00	765,000.00	0.00	765,000.00	3,729.38
New York St Urban Dev Corp SAL Bonds	2.020%	10/24/19	03/15/24	289	2.020%	680,000.00	680,000.00	0.00	680,000.00	2,899.82
TX ST Trans Comm Txbi GO Bonds	4.000%	12/11/19	04/01/24	306	1.990%	410,000.00	443,812.70	(27,256.52)	416,556.18	2,733.33
WI St Txbi GO Bonds	1.775%	02/11/20	05/01/24	336	1.780%	200,000.00	200,000.00	0.00	200,000.00	295.83
WI St Txbi GO Bonds	1.857%	10/02/19	05/01/24	336	1.860%	275,000.00	275,000.00	0.00	275,000.00	425.56
Connecticut St A Txbi Municipal Bonds	1.998%	06/11/20	07/01/24	397	2.000%	120,000.00	120,000.00	0.00	120,000.00	999.00
NYC, NY Txbi GO Bonds	1.790%	10/04/19	10/01/24	489	1.790%	675,000.00	675,000.00	0.00	675,000.00	2,013.75
NY ST Urban Dev Corp Bonds	1.115%	06/18/20	03/15/25	654	1.120%	395,000.00	395,000.00	0.00	395,000.00	929.79
FL ST Board of Admin Txbi Rev	1.258%	09/16/20	07/01/25	762	1.110%	100,000.00	100,707.00	(399.38)	100,307.62	524.17
FL ST Board of Admin Txbi Rev	1.258%	09/16/20	07/01/25	762	1.260%	410,000.00	410,000.00	0.00	410,000.00	2,149.08
Los Angeles CCD, CA Txbi GO Bonds	0.773%	11/10/20	08/01/25	793	0.770%	275,000.00	275,000.00	0.00	275,000.00	708.58
MN St Txbi GO Bonds	0.630%	08/25/20	08/01/25	793	0.630%	740,000.00	740,000.00	0.00	740,000.00	1,554.00
New York St Dorm Auth Municipal Bonds	2.888%	03/25/22	03/15/27	1,384	2.890%	185,000.00	185,000.00	0.00	185,000.00	1,127.92
FN AL2092	3.000%	03/06/18	07/01/27	1,492	2.980%	99,809.43	99,934.19	(69.97)	99,864.22	249.52
FN AP4718	2.500%	07/20/18	08/01/27	1,523	2.750%	99,055.16	97,089.51	1,057.42	98,146.93	206.36
Fannie Mae Pool	3.500%	04/05/18	02/01/28	1,707	3.230%	145,359.30	148,675.32	(1,739.78)	146,935.54	423.96
Fannie Mae Pool	3.500%	04/05/18	03/01/28	1,736	3.230%	27,865.80	28,501.49	(330.85)	28,170.64	81.28
FR ZT1267	2.500%	08/21/19	05/01/28	1,797	2.320%	111,628.25	113,180.58	(673.95)	112,506.63	232.56
FN CA1940	4.000%	07/11/18	06/01/28	1,828	3.640%	115,979.57	119,422.69	(1,701.54)	117,721.15	386.60
FNMA Pool #AU1266	3.000%	10/31/17	07/01/28	1,858	2.720%	146,585.37	150,318.73	(1,953.88)	148,364.85	366.46
FG J32374	2.500%	02/17/22	11/01/28	1,981	2.220%	242,275.29	246,515.11	(811.95)	245,703.16	504.74
Fannie Mae Pool	4.000%	03/18/19	03/01/29	2,101	3.630%	60,294.57	62,150.52	(784.03)	61,366.49	200.98
FNMA Pool #AS4197	3.500%	07/16/15	01/01/30	2,407	3.000%	63,338.02	67,059.11	(2,026.42)	65,032.69	184.74
FHLMC Pool #U49048	3.000%	03/17/16	08/01/30	2,619	2.630%	126,815.31	132,383.29	(2,791.41)	129,591.88	317.04
FNMA Pool #AL7738	3.500%	02/17/16	11/01/30	2,711	2.960%	123,160.10	131,146.27	(3,956.66)	127,189.61	359.22
FR ZS7331	3.000%	02/13/20	12/01/30	2,741	2.600%	227,396.22	235,994.67	(2,617.30)	233,377.37	568.49
FN FM1082	3.000%	08/19/19	09/01/31	3,015	2.720%	157,524.22	162,077.67	(1,430.08)	160,647.59	393.81
FG G16720	3.500%	01/25/19	11/01/31	3,076	3.340%	128,992.88	131,068.85	(705.80)	130,363.05	376.23
FG G16635	3.000%	04/18/19	02/01/32	3,168	2.930%	215,757.83	217,468.73	(549.89)	216,918.84	539.39
FN FS2986	4.000%	10/21/22	10/01/32	3,411	4.370%	388,325.57	376,797.15	707.63	377,504.78	1,294.42
Fannie Mae Pool	3.500%	02/13/18	01/01/33	3,503	3.300%	142,486.91	145,781.89	(1,171.49)	144,610.40	415.59
Freddie Mac Pool	4.000%	06/07/18	02/01/33	3,534	3.730%	46,178.47	47,571.04	(472.27)	47,098.77	153.93
FN CA1455	4.000%	12/20/18	03/01/33	3,562	3.760%	171,805.86	176,275.49	(1,399.35)	174,876.14	572.69
FN BM5830	3.500%	06/05/19	04/01/34	3,958	3.180%	189,615.70	196,726.28	(1,901.07)	194,825.21	553.05
FN FM0047	3.000%	06/17/21	12/01/34	4,202	2.450%	213,719.15	227,243.56	(1,964.69)	225,278.87	534.30
FN FM2694	3.000%	06/05/19	03/01/35	4,292	2.570%	232,463.87	244,958.80	(2,664.39)	242,294.41	581.16
FR SB0759	4.500%	10/18/22	03/01/35	4,292	4.630%	252,282.90	249,129.36	157.78	249,287.14	946.06
FR SB0364	3.500%	06/21/21	06/01/35	4,384	2.830%	201,189.42	216,781.63	(2,163.12)	214,618.51	586.80
FR SB0666	4.000%	05/13/22	06/01/35	4,384	3.750%	416,269.50	427,196.59	(871.78)	426,324.81	1,387.57
FN FM3701	2.500%	07/27/20	07/01/35	4,414	2.040%	201,302.95	213,098.03	(2,244.31)	210,853.72	419.38
FR SB0361	3.000%	03/20/23	07/01/35	4,414	3.530%	357,955.44	339,218.71	304.90	339,523.61	894.89
FN FM5714	4.000%	03/19/21	11/01/35	4,537	3.230%	173,444.01	188,945.57	(2,319.13)	186,626.44	578.15
FHR 5050 XL	1.000%	02/11/22	07/01/36	4,780	1.180%	255,610.70	249,539.93	548.84	250,088.77	213.01

DU PAGE WATER COMMISSION
INVESTMENTS
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FUND SOURCE	COUPON RATE	PURCHASE DATE	MATURITY DATE	YIELD TO MATURITY (COST)	PAR VALUE	PURCHASE PRICE	AMORTIZED DISCOUNT (PREMIUM)	AMORTIZED COST	ACCRUED INTEREST 05/31/23
Water Fund Operating Reserve (01-121800) Continued...									
FHMS K724 A2	3.062%	02/02/21	11/01/23	154 0.580%	280,674.05	299,630.51	(16,061.91)	283,568.60	716.19
FHLMC Multifamily Structured Pool	2.951%	12/15/17	02/01/24	246 2.600%	38,878.00	39,654.20	(691.00)	38,963.20	95.61
Fannie Mae ACES	3.346%	12/13/19	03/01/24	275 2.140%	153,045.98	160,483.03	(6,109.52)	154,373.51	426.74
FHLMC Multifamily Structured Pool	3.064%	05/31/22	08/01/24	428 3.000%	701,397.77	702,329.31	(429.94)	701,899.37	1,790.90
FHMS K047 A1	2.827%	06/18/19	12/01/24	550 2.490%	123,703.82	125,829.98	(1,539.60)	124,290.38	291.43
FHMS K043 A2	3.062%	03/19/20	12/01/24	550 1.950%	190,000.00	199,410.94	(6,393.06)	193,017.88	484.82
FHMS K046 A2	3.205%	08/08/22	03/01/25	640 3.510%	710,000.00	704,702.73	1,680.86	706,383.59	1,896.29
FHMS K047 A2	3.329%	05/24/22	05/01/25	701 3.100%	710,000.00	714,548.44	(1,581.14)	712,967.30	1,969.66
FHMS K736 A1	1.895%	09/04/19	06/01/25	732 1.800%	69,912.80	70,262.36	(226.95)	70,035.41	110.40
FHLMC Multifamily Structured Pool	3.139%	04/11/19	06/01/25	732 2.780%	439,592.41	448,383.82	(5,917.30)	442,466.52	1,149.90
FHLMC Series K049 A2	3.010%	09/06/22	07/01/25	762 3.770%	565,000.00	553,545.51	2,983.29	556,528.80	1,417.21
FHMS K054 A2	2.745%	04/14/23	01/01/26	946 4.370%	420,000.00	402,609.38	840.63	403,450.01	960.75
FHMS KJ31 A1	0.569%	10/20/20	05/01/26	1,066 0.570%	30,838.61	30,837.99	0.29	30,838.28	14.62
FHMS K737 A1	2.116%	01/22/20	06/01/26	1,097 2.030%	437,634.94	439,820.49	(1,150.39)	438,670.10	771.70
FHMS K058 A2	2.653%	04/12/23	08/01/26	1,158 4.020%	740,000.00	708,839.06	1,290.84	710,129.90	1,636.02
FHMS K061 A2	3.347%	05/24/23	11/01/26	1,250 4.310%	515,000.00	499,147.66	100.89	499,248.55	1,436.42
FHMS K063 A2	3.430%	05/24/23	01/01/27	1,311 4.340%	735,000.00	712,749.02	135.06	712,884.08	2,100.88
FHMS KJ40 A1	3.400%	07/14/22	06/01/28	1,828 3.400%	326,762.34	326,758.39	0.59	326,758.98	925.83
FHMS K750 A1	3.000%	11/03/22	11/01/28	1,981 4.260%	626,315.91	584,692.85	3,991.25	588,684.10	1,565.79
FHMS KJ45 A1	4.455%	05/25/23	11/01/28	1,981 4.460%	710,000.00	709,998.58	0.01	709,998.59	527.18
FHMS KJ43 A1	4.377%	12/15/22	12/01/28	2,011 4.380%	683,697.15	683,685.52	0.90	683,686.42	2,493.79
FHMS KJ44 A1	4.558%	02/23/23	01/25/29	2,066 4.560%	344,188.57	344,177.91	0.49	344,178.40	1,307.34
FHMS KJ42 A1	3.902%	09/15/22	07/01/29	2,223 3.900%	426,932.73	426,916.49	1.70	426,918.19	1,388.24
FHR 4096 PA	1.375%	02/21/20	08/01/27	1,523 1.490%	204,473.05	202,811.70	729.33	203,541.03	234.29
FNR 2012-107 GA	1.500%	12/03/19	09/01/27	1,554 1.690%	88,263.67	87,043.15	549.80	87,592.95	110.33
FHS 287 150	1.500%	12/21/17	10/01/27	1,584 1.840%	106,185.94	103,000.36	1,771.06	104,771.42	132.73
FNR 2012-145 EA	1.250%	02/07/20	01/01/28	1,676 1.440%	109,357.13	107,806.48	648.80	108,455.28	113.91
FNR 2013-39 MP	1.750%	12/09/19	05/01/28	1,797 1.860%	233,417.73	231,448.27	814.66	232,262.93	340.40
FNR 2013-19 GE	2.500%	10/25/19	03/01/33	3,562 2.400%	149,776.38	151,414.54	(440.56)	150,973.98	312.03
Freddie Mac	3.000%	05/03/19	04/01/34	3,958 2.960%	270,795.98	272,128.81	(363.70)	271,765.11	676.99
FHR 3745 NP	4.000%	09/12/19	06/01/39	5,845 3.740%	25,053.08	25,948.52	(168.34)	25,780.18	83.51
FNR 2013-75 PC	2.500%	04/15/20	04/01/43	7,245 2.200%	190,843.09	201,160.54	(1,399.71)	199,760.83	397.59
FNR 2015-33 P	2.500%	02/14/20	06/01/45	8,037 2.400%	160,342.55	163,399.08	(396.26)	163,002.82	334.05
FNR 2016-19 AH	3.000%	07/08/20	04/01/46	8,341 2.580%	98,088.47	105,916.39	(877.55)	105,038.84	245.22
FHR 5000 LB	1.250%	08/07/20	07/01/46	8,432 1.160%	228,206.84	232,699.67	(486.16)	232,213.51	237.72
FNR 2016-79 HA	2.000%	06/05/20	11/01/46	8,555 1.830%	152,585.90	158,164.85	(628.50)	157,536.35	254.31
Freddie Mac Notes	0.250%	10/02/20	12/01/23	184 0.280%	510,000.00	509,495.10	419.14	509,914.24	626.88
Fannie Mae Notes	2.500%	02/07/19	02/05/24	250 2.580%	930,000.00	926,540.40	2,987.06	929,527.46	7,491.67
Federal Farm Credit Banks Notes	0.875%	04/03/20	04/08/24	313 0.880%	1,420,000.00	1,420,000.00	0.00	1,420,000.00	1,829.24
Fannie Mae Notes	1.625%	01/08/20	01/07/25	587 1.690%	1,210,000.00	1,206,140.10	2,619.82	1,208,759.92	7,865.00
Freddie Mac Notes	5.150%	01/24/23	01/24/25	604 5.150%	700,000.00	700,000.00	0.00	700,000.00	12,717.64
Federal Home Loan Bank Notes	0.500%	04/15/20	04/14/25	684 0.600%	1,060,000.00	1,054,742.40	3,288.88	1,058,031.28	691.94
Fannie Mae Notes	0.625%	06/01/20	04/22/25	692 0.500%	500,000.00	502,950.00	(1,808.01)	501,141.99	338.54
Fannie Mae Notes	0.625%	04/22/20	04/22/25	692 0.670%	1,225,000.00	1,222,476.50	1,567.50	1,224,044.00	829.43
Fannie Mae Notes	0.500%	06/29/20	06/17/25	748 0.470%	1,000,000.00	1,001,280.00	(752.61)	1,000,527.39	2,277.78
Freddie Mac Notes	0.375%	07/21/20	07/21/25	782 0.480%	420,000.00	417,908.40	1,196.02	419,104.42	568.75
Federal Home Loan Bank Notes	0.375%	09/10/20	09/04/25	827 0.440%	150,000.00	149,550.00	245.66	149,795.66	135.94
Freddie Mac Notes	0.375%	09/23/20	09/23/25	846 0.440%	680,000.00	677,953.20	1,098.58	679,051.78	481.67
Federal Home Loan Bank Notes	1.100%	07/20/22	08/20/26	1,177 3.410%	770,000.00	702,617.30	14,271.40	716,888.70	2,376.31
Federal Home Loan Bank Notes	1.100%	08/03/22	08/20/26	1,177 3.000%	770,000.00	714,521.50	11,335.93	725,857.43	2,376.31
Federal Home Loan Bank Notes	0.830%	08/19/22	02/10/27	1,351 3.370%	740,000.00	662,492.40	13,549.62	676,042.02	1,893.78
Federal Home Loan Bank Notes	1.020%	08/16/22	02/24/27	1,365 3.240%	780,000.00	707,608.20	12,656.52	720,264.72	2,143.70
Merck & Co Inc Corp Notes	0.750%	03/15/23	02/24/26	1,000 4.570%	390,000.00	349,443.90	2,937.21	352,381.11	788.13
Eli Lilly & Co Corp Notes	5.000%	02/27/23	02/27/26	1,003 5.060%	315,000.00	314,480.25	44.58	314,524.83	4,112.50
Colgate Palmolive Co Corp Notes	4.800%	03/02/23	03/02/26	1,006 4.820%	690,000.00	689,599.80	33.23	689,633.03	8,280.00
John Deere Capital Corp Notes	5.050%	03/03/23	03/03/26	1,007 5.050%	345,000.00	344,962.05	3.12	344,965.17	4,258.83
Roche Holdings Inc Corp Notes	0.991%	04/05/23	03/05/26	1,009 4.240%	575,000.00	524,244.75	2,716.48	526,961.23	1,361.25
Nestle Holdings Inc Corp Notes	5.250%	03/14/23	03/13/26	1,017 5.260%	265,000.00	264,912.55	6.31	264,918.86	2,975.73
Commonwealth Bk Austr NY Corp Notes	5.316%	03/13/23	03/13/26	1,017 5.320%	690,000.00	690,000.00	0.00	690,000.00	7,947.42
Paccar Financial Corp Corp Notes	4.450%	03/30/23	03/30/26	1,034 4.470%	350,000.00	349,765.50	13.48	349,778.98	2,639.10
Walmart Inc Corp Notes	4.000%	04/18/23	04/15/26	1,050 4.020%	155,000.00	154,931.80	2.75	154,934.55	740.56
Caterpillar Finl Serv Corp Notes	4.350%	05/15/23	05/15/26	1,080 4.370%	580,000.00	579,727.40	4.23	579,731.63	1,121.33
Toyota Motor Credit Corp Notes	4.450%	05/18/23	05/18/26	1,083 4.470%	450,000.00	449,739.00	3.33	449,742.33	723.13
State Street Corp Notes	5.104%	05/18/23	05/18/26	1,083 5.100%	530,000.00	530,000.00	0.00	530,000.00	976.85
Bank of New York Mellon Corp Notes	5.148%	05/24/23	05/22/26	1,087 5.150%	1,065,000.00	1,065,000.00	0.00	1,065,000.00	1,066.07
Weighted Avg Maturity			1.230	2.326%	\$ 76,115,125.19	\$ 75,723,467.05	(42,444.16)	\$ 75,681,022.89	\$ 269,270.65

FUND SOURCE	COUPON RATE	PURCHASE DATE	MATURITY DATE		YIELD TO MATURITY (COST)	PAR VALUE	PURCHASE PRICE	AMORTIZED DISCOUNT (PREMIUM)	AMORTIZED COST	ACCRUED INTEREST 05/31/23
Water Fund L-T Water Capital Reserve (01-121900)										
IIIT - Money Market (PFM Asset Management)	5.102%	05/31/23	06/01/23	1	5.102%	1,419,707.52	1,419,707.52	0.00	1,419,707.52	-
US Treasury Notes	2.000%	07/01/19	02/15/25	626	1.820%	250,000.00	252,412.11	(1,678.50)	250,733.61	1,464.09
US Treasury Notes	2.875%	07/02/18	05/31/25	731	2.830%	250,000.00	250,732.42	(520.59)	250,211.83	19.64
US Treasury Notes	0.250%	10/01/20	09/30/25	853	0.330%	340,000.00	338,578.91	755.10	339,334.01	143.99
US Treasury Notes	2.250%	07/06/16	11/15/25	899	1.320%	105,000.00	113,613.28	(6,349.68)	107,263.60	109.14
US Treasury Notes	2.250%	06/27/16	11/15/25	899	1.450%	115,000.00	123,036.52	(5,930.04)	117,106.48	119.53
US Treasury Notes	0.375%	04/26/21	01/31/26	976	0.790%	1,000,000.00	980,468.75	8,587.02	989,055.77	1,253.45
US Treasury Notes	1.625%	03/01/21	02/15/26	991	0.690%	500,000.00	522,792.97	(10,326.10)	512,466.87	2,379.14
US Treasury Notes	1.625%	06/04/18	05/15/26	1,080	2.930%	130,000.00	118,091.80	7,479.06	125,570.86	97.59
US Treasury Notes	1.625%	09/10/18	05/15/26	1,080	2.900%	275,000.00	250,980.47	14,773.34	265,753.81	206.44
US Treasury Notes	2.000%	12/04/18	11/15/26	1,264	2.920%	225,000.00	210,445.31	8,218.06	218,663.37	207.88
US Treasury Notes	2.750%	05/06/22	04/30/27	1,430	3.050%	250,000.00	246,552.73	740.59	247,293.32	597.83
US Treasury Notes	0.500%	06/29/20	06/30/27	1,491	0.490%	500,000.00	500,195.31	(81.46)	500,113.85	1,049.72
US Treasury Notes	2.250%	06/04/18	08/15/27	1,537	2.950%	250,000.00	236,035.16	7,577.11	243,612.27	1,647.10
US Treasury Notes	2.250%	08/01/19	08/15/27	1,537	1.950%	250,000.00	255,566.41	(2,650.31)	252,916.10	1,647.10
US Treasury Notes	0.500%	09/02/20	08/31/27	1,553	0.450%	200,000.00	200,671.88	(263.44)	200,408.44	252.72
US Treasury Notes	2.250%	05/01/19	11/15/27	1,629	2.440%	250,000.00	246,328.13	1,755.29	248,083.42	259.85
US Treasury Notes	0.625%	12/11/20	11/30/27	1,644	0.620%	200,000.00	200,109.38	(38.68)	200,070.70	3.42
US Treasury Notes	0.625%	01/05/21	12/31/27	1,675	0.660%	200,000.00	199,476.56	179.68	199,656.24	524.86
US Treasury Notes	2.750%	01/30/19	02/15/28	1,721	2.710%	250,000.00	250,722.66	(346.23)	250,376.43	2,013.12
US Treasury Notes	2.875%	04/05/21	05/15/28	1,811	1.420%	385,000.00	422,717.97	(11,409.87)	411,308.10	511.33
US Treasury Notes	1.250%	06/04/21	05/31/28	1,827	1.230%	500,000.00	500,664.06	(188.54)	500,475.52	17.08
US Treasury Notes	1.000%	08/02/21	07/31/28	1,888	0.990%	400,000.00	400,203.13	(52.99)	400,150.14	1,337.02
US Treasury Notes	1.125%	09/02/21	08/31/28	1,919	1.070%	400,000.00	401,359.38	(338.51)	401,020.87	1,137.23
US Treasury Notes	3.125%	05/01/19	11/15/28	1,995	2.470%	150,000.00	158,320.31	(3,559.71)	154,760.60	216.54
US Treasury Notes	1.138%	01/05/22	12/31/28	2,041	1.580%	250,000.00	246,601.56	681.82	247,283.38	1,443.37
US Treasury Notes	2.625%	06/03/19	02/15/29	2,087	2.120%	100,000.00	104,406.25	(1,812.00)	102,594.25	768.65
US Treasury Notes	2.625%	04/01/19	02/15/29	2,087	2.490%	150,000.00	151,769.53	(745.89)	151,023.64	1,152.97
US Treasury Notes	2.875%	05/05/22	04/30/29	2,161	3.110%	250,000.00	246,308.59	565.79	246,874.38	625.00
US Treasury Notes	2.750%	06/03/22	05/31/29	2,192	2.950%	250,000.00	246,933.59	435.83	247,369.42	18.78
US Treasury Notes	3.250%	07/06/22	06/30/29	2,222	2.870%	500,000.00	511,992.19	(1,551.32)	510,440.87	6,823.20
US Treasury Notes	1.750%	02/03/20	11/15/29	2,360	1.560%	250,000.00	254,355.47	(1,478.25)	252,877.22	202.11
US Treasury Notes	3.500%	02/02/23	01/31/30	2,437	3.590%	350,000.00	348,044.92	91.06	348,135.98	4,094.61
US Treasury Notes	1.500%	03/04/22	02/15/30	2,452	1.820%	500,000.00	488,164.06	1,849.75	490,013.81	2,196.13
US Treasury Notes	0.625%	06/29/20	05/15/30	2,541	0.650%	250,000.00	249,414.06	173.21	249,587.27	72.18
US Treasury Notes	0.625%	11/03/21	08/15/30	2,633	1.500%	250,000.00	232,148.44	3,196.13	235,344.57	457.53
US Treasury Notes	0.875%	12/11/20	11/15/30	2,725	0.880%	200,000.00	199,867.19	32.96	199,900.15	80.84
US Treasury Notes	1.125%	11/05/21	02/15/31	2,817	1.480%	175,000.00	169,572.27	917.70	170,489.97	576.48
US Treasury Notes	1.250%	11/03/21	08/15/31	2,998	1.540%	250,000.00	243,369.14	1,065.84	244,434.98	915.06
US Treasury Notes	1.375%	02/22/22	11/15/31	3,090	1.940%	450,000.00	427,517.58	2,936.07	430,453.65	285.84
US Treasury Notes	2.875%	06/03/22	05/15/32	3,272	2.910%	250,000.00	249,287.11	71.21	249,358.32	332.03
US Treasury Notes	4.125%	12/29/22	11/15/32	3,456	3.850%	200,000.00	204,539.06	(193.69)	204,345.37	381.11
Asian Development Bank Corp Notes	0.375%	06/02/21	06/11/24	377	0.400%	425,000.00	424,745.00	167.68	424,912.68	752.60
Inter-American Devel Bk Corp Notes	0.875%	04/13/21	04/20/26	1,055	0.970%	200,000.00	199,084.00	387.27	199,471.27	199.31
Univ of CO Txbi Rev Bonds	2.569%	10/22/19	06/01/23	1	1.950%	75,000.00	76,617.00	(1,617.00)	75,000.00	963.38
Long Beach CCD, CA Txbi GO Bonds	1.743%	10/09/19	08/01/23	62	1.740%	70,000.00	70,000.00	0.00	70,000.00	406.70
OR ST Dept of Trans Txbi Rev Bonds	1.946%	11/07/19	11/15/23	168	1.950%	75,000.00	75,000.00	0.00	75,000.00	64.87
Houston, TX Txbi GO Bonds	1.950%	08/23/19	03/01/24	275	1.950%	200,000.00	200,000.00	0.00	200,000.00	975.00
New York St Urban Dev Corp SAL Bonds	2.020%	10/24/19	03/15/24	289	2.020%	175,000.00	175,000.00	0.00	175,000.00	746.28
TX ST Trans Comm Txbi GO Bonds	4.000%	12/11/19	04/01/24	306	1.990%	105,000.00	113,659.35	(6,980.33)	106,679.02	700.00
WI St Txbi GO Bonds	1.775%	02/11/20	05/01/24	336	1.780%	50,000.00	50,000.00	0.00	50,000.00	73.96
WI St Txbi GO Bonds	1.857%	10/02/19	05/01/24	336	1.860%	75,000.00	75,000.00	0.00	75,000.00	116.06
Connecticut St A Txbi Municipal Bonds	1.998%	06/11/20	07/01/24	397	2.000%	30,000.00	30,000.00	0.00	30,000.00	249.75
Tamalpais UHSD, CA Txbi GO Bonds	2.021%	09/20/19	08/01/24	428	2.020%	60,000.00	60,000.00	0.00	60,000.00	404.20
NYC, NY Txbi GO Bonds	1.790%	10/04/19	10/01/24	489	1.790%	170,000.00	170,000.00	0.00	170,000.00	507.17
NY ST Urban Dev Corp Bonds	1.115%	06/18/20	03/15/25	654	1.120%	105,000.00	105,000.00	0.00	105,000.00	247.16
FL ST Board of Admin Txbi Rev	1.258%	09/16/20	07/01/25	762	1.260%	115,000.00	115,000.00	0.00	115,000.00	602.79
Los Angeles CCD, CA Txbi GO Bonds	0.773%	11/10/20	08/01/25	793	0.770%	75,000.00	75,000.00	0.00	75,000.00	193.25
New York St Dorm Auth Municipal Bonds	2.888%	03/25/22	03/15/27	1,384	2.890%	55,000.00	55,000.00	0.00	55,000.00	335.33

FUND SOURCE	COUPON RATE	PURCHASE DATE	MATURITY DATE	YIELD TO MATURITY (COST)	PAR VALUE	PURCHASE PRICE	AMORTIZED DISCOUNT (PREMIUM)	AMORTIZED COST	ACCRUED INTEREST 05/31/23
Water Fund L-T Water Capital Reserve (01-121900) Continued...									
FR ZT1267	2.500%	08/21/19	05/01/28	1,797 2.320%	29,075.27	29,479.61	(175.55)	29,304.06	60.57
FNMA Pool #AU1266	3.000%	10/31/17	07/01/28	1,858 2.720%	33,827.38	34,688.92	(450.89)	34,238.03	84.57
FG J32374	2.500%	02/17/22	11/01/28	1,981 2.220%	74,286.49	75,586.51	(248.96)	75,337.55	154.76
Fannie Mae Pool	4.000%	03/18/19	03/01/29	2,101 3.630%	12,789.75	13,183.46	(166.32)	13,017.14	42.63
FNMA Pool #AS4197	3.500%	07/16/15	01/01/30	2,407 3.000%	15,648.24	16,567.61	(500.67)	16,066.94	45.64
FHLMC Pool #U49048	3.000%	03/17/16	08/01/30	2,619 2.630%	19,022.32	19,857.52	(418.71)	19,438.81	47.56
FNMA Pool #AL7738	3.500%	02/17/16	11/01/30	2,711 2.960%	20,327.44	21,645.56	(653.05)	20,992.51	59.29
FR ZS7331	3.000%	02/13/20	12/01/30	2,741 2.600%	58,058.61	60,253.95	(668.24)	59,585.71	145.15
FN FM1082	3.000%	08/19/19	09/01/31	3,015 2.720%	40,153.26	41,313.95	(364.53)	40,949.42	100.38
FG G16635	3.000%	04/18/19	02/01/32	3,168 2.930%	46,233.83	46,600.44	(117.83)	46,482.61	115.58
FN FS2986	4.000%	10/21/22	10/01/32	3,411 4.370%	128,019.42	124,218.85	233.29	124,452.14	426.73
FN BM5462	3.000%	06/21/19	11/01/32	3,442 2.800%	59,139.34	60,479.19	(394.70)	60,084.49	147.85
Freddie Mac Pool	4.000%	06/07/18	02/01/33	3,534 3.730%	14,208.68	14,637.13	(145.30)	14,491.83	47.36
FR CA1455	4.000%	12/20/18	03/01/33	3,562 3.760%	38,508.18	39,509.97	(313.64)	39,196.33	128.36
FN BM5830	3.500%	06/05/19	04/01/34	3,958 3.180%	47,403.94	49,181.61	(475.27)	48,706.34	138.26
FN FM0047	3.000%	06/17/21	12/01/34	4,202 2.450%	65,424.21	69,564.34	(601.43)	68,962.91	163.56
FR SB0759	4.500%	10/18/22	03/01/35	4,292 4.630%	90,101.04	88,974.78	56.35	89,031.13	337.88
FR SB0364	3.500%	06/21/21	06/01/35	4,384 2.830%	60,149.43	64,811.02	(646.71)	64,164.31	175.44
FR SB0666	4.000%	05/17/22	06/01/35	4,384 3.750%	129,593.34	132,995.16	(271.40)	132,723.76	431.98
FN FM3701	2.500%	07/27/20	07/01/35	4,414 2.040%	54,639.39	57,840.93	(609.17)	57,231.76	113.83
FR SB0361	3.000%	03/20/23	07/01/35	4,414 3.530%	116,390.42	110,298.11	99.14	110,397.25	290.98
FN FM5714	4.000%	03/19/21	11/01/35	4,537 3.230%	47,518.88	51,765.88	(635.38)	51,130.50	158.40
FHR 5050 XL	1.000%	02/11/22	07/01/36	4,780 1.180%	78,103.28	76,248.30	167.70	76,416.00	65.09
FN FM8086	3.500%	10/15/21	07/01/31	10,258 3.090%	160,140.82	172,776.91	(680.70)	172,096.21	467.08
FHMS K724 A2	3.062%	02/02/21	11/01/23	154 0.580%	78,423.63	83,720.28	(4,487.88)	79,232.40	200.11
FHLMC Multifamily Structured Pool	2.951%	12/15/17	02/01/24	246 2.600%	11,962.47	12,201.29	(212.61)	11,988.68	29.42
Fannie Mae ACES	3.346%	12/13/19	03/01/24	275 2.140%	38,771.64	40,655.71	(1,547.76)	39,107.95	108.11
FHLMC Multifamily Structured Pool	3.064%	05/31/22	08/01/24	428 3.000%	445,024.78	445,615.83	(272.79)	445,343.04	1,136.30
FHMS K047 A1	2.827%	06/21/19	12/01/24	550 2.490%	31,662.27	32,206.46	(394.06)	31,812.40	74.59
FHMS K043 A2	3.062%	03/25/20	12/01/24	550 1.950%	50,000.00	52,476.56	(1,682.38)	50,794.18	127.58
FHMS K046 A2	3.205%	08/08/22	03/01/25	640 3.510%	235,000.00	233,246.68	556.34	233,803.02	627.65
FHMS K047 A2	3.329%	05/24/22	05/01/25	701 3.100%	220,000.00	221,409.38	(489.93)	220,919.45	610.32
FHMS KJ32 A1	0.516%	11/18/20	06/01/25	732 0.520%	12,886.20	12,886.14	0.03	12,886.17	5.54
FHMS K736 A1	1.895%	09/04/19	06/01/25	732 1.800%	17,224.90	17,311.01	(55.91)	17,255.10	27.20
FHLMC Multifamily Structured Pool	3.139%	04/11/19	06/01/25	732 2.780%	95,563.56	97,474.73	(1,286.36)	96,188.37	249.98
FHMS K054 A2	2.745%	04/14/23	01/01/26	946 4.370%	140,000.00	134,203.13	280.21	134,483.34	320.25
FHMS KJ31 A1	0.569%	10/20/20	05/01/26	1,066 0.570%	8,465.51	8,465.32	0.09	8,465.41	4.01
FHMS K737 A1	2.116%	01/22/20	06/01/26	1,097 2.030%	109,408.76	109,955.15	(287.60)	109,667.55	192.92
FHMS K058 A2	2.653%	04/12/23	08/01/26	1,158 4.020%	240,000.00	229,893.75	418.65	230,312.40	530.60
FHMS K061 A2	3.347%	05/24/23	11/01/26	1,250 4.310%	170,000.00	164,767.19	33.30	164,800.49	474.16
FHMS K063 A2	3.430%	05/24/23	01/01/27	1,311 4.340%	245,000.00	237,583.01	45.02	237,628.03	700.29
FHMS KJ40 A1	3.400%	07/14/22	06/01/28	1,828 3.400%	108,920.77	108,919.45	0.20	108,919.65	308.61
FHMS K750 A1	3.000%	11/03/22	11/01/28	1,981 4.260%	202,196.49	188,759.13	1,288.51	190,047.64	505.49
FHMS KJ45 A1	4.455%	05/25/23	11/01/28	1,981 4.460%	235,000.00	234,999.53	0.00	234,999.53	174.49
FHMS KJ43 A1	4.377%	12/15/22	12/01/28	2,011 4.380%	224,572.05	224,568.23	0.29	224,568.52	819.13
FHMS KJ44 A1	4.558%	02/23/23	01/25/29	2,066 4.560%	109,741.28	109,737.87	0.16	109,738.03	416.83
FHMS KJ42 A1	3.902%	09/15/22	07/01/29	2,223 3.900%	139,001.35	138,996.05	0.55	138,996.60	451.99
FHR 4096 PA	1.375%	02/21/20	08/01/27	1,523 1.490%	53,026.38	52,595.55	189.13	52,784.68	60.76
FNR 2012-145 EA	1.250%	02/07/20	01/01/28	1,676 1.440%	28,208.72	27,808.72	167.35	27,976.09	29.38
FNR 2013-39 MP	1.750%	12/09/19	05/01/28	1,797 1.860%	59,615.52	59,112.50	208.07	59,320.57	86.94
Fannie Mae	2.500%	10/25/19	03/01/33	3,562 2.400%	38,159.62	38,576.98	(112.24)	38,464.74	79.50
Freddie Mac	3.000%	05/03/19	04/01/34	3,958 2.960%	49,993.10	50,239.15	(67.14)	50,172.01	124.98
FNR 3745 NP	4.000%	09/12/19	06/01/39	5,845 3.740%	5,511.70	5,708.69	(37.03)	5,671.66	18.37
FNR 2015-33 P	2.500%	02/14/20	06/01/45	8,037 2.400%	41,084.18	41,867.34	(101.53)	41,765.81	85.59
FNR 2016-79 HA	2.000%	06/05/20	11/01/46	8,555 1.830%	38,466.99	39,873.45	(158.45)	39,715.00	64.11

DU PAGE WATER COMMISSION
INVESTMENTS
(Unaudited)
May 31, 2023

FUND SOURCE	COUPON RATE	PURCHASE DATE	MATURITY DATE		YIELD TO MATURITY (COST)	PAR VALUE	PURCHASE PRICE	AMORTIZED DISCOUNT (PREMIUM)	AMORTIZED COST	ACCRUED INTEREST 05/31/23
Water Fund L-T Water Capital Reserve (01-121900) Continued...										
Fannie Mae Notes	0.250%	07/08/20	07/10/23	40	0.320%	290,000.00	289,376.50	601.29	289,977.79	283.96
Freddie Mac Notes	0.250%	12/02/20	12/04/23	187	0.280%	340,000.00	339,663.40	279.42	339,942.82	417.92
Fannie Mae Notes	2.500%	02/07/19	02/05/24	250	2.580%	195,000.00	194,274.60	626.32	194,900.92	1,570.83
FHLB Bonds	2.500%	02/14/19	02/13/24	258	2.580%	5,000.00	4,982.30	15.21	4,997.51	37.50
Federal Farm Credit Banks Notes	0.875%	04/03/20	04/08/24	313	0.880%	345,000.00	345,000.00	0.00	345,000.00	444.43
Freddie Mac Notes	5.150%	01/24/23	01/24/25	604	5.150%	230,000.00	230,000.00	0.00	230,000.00	4,178.65
Federal Home Loan Bank Notes	0.500%	04/15/20	04/14/25	684	0.600%	260,000.00	258,710.40	806.71	259,517.11	169.72
Fannie Mae Notes	0.625%	04/22/20	04/22/25	692	0.670%	320,000.00	319,340.80	409.47	319,750.27	216.67
Fannie Mae Notes	0.500%	06/29/20	06/17/25	748	0.470%	500,000.00	500,640.00	(376.30)	500,263.70	1,138.89
Freddie Mac Notes	0.375%	07/21/20	07/21/25	782	0.480%	115,000.00	114,427.30	327.48	114,754.78	155.73
Federal Home Loan Bank Notes	0.375%	09/10/20	09/04/25	827	0.440%	40,000.00	39,880.00	65.51	39,945.51	36.25
Federal Home Loan Bank Notes	1.100%	07/20/22	08/20/26	1,177	3.410%	250,000.00	228,122.50	4,633.57	232,756.07	771.53
Federal Home Loan Bank Notes	1.100%	08/03/22	08/20/26	1,177	3.000%	255,000.00	236,627.25	3,754.11	240,381.36	786.96
FNMA Benchmark Note	1.875%	12/20/18	09/24/26	1,212	2.970%	500,000.00	462,350.00	21,561.73	483,911.73	1,744.79
Federal Home Loan Bank Notes	0.830%	08/19/22	02/10/27	1,351	3.370%	245,000.00	219,338.70	4,486.02	223,824.72	627.00
Federal Home Loan Bank Notes	1.020%	08/16/22	02/24/27	1,365	3.240%	255,000.00	231,333.45	4,137.71	235,471.16	700.83
Fannie Mae Notes	0.750%	10/07/20	10/08/27	1,591	0.770%	210,000.00	209,699.70	113.42	209,813.12	231.88
Fannie Mae Notes	0.875%	08/05/20	08/05/30	2,623	0.930%	100,000.00	99,485.00	145.15	99,630.15	281.94
Federal Home Loan Bank Notes	3.500%	08/05/22	06/11/32	3,299	3.120%	230,000.00	237,378.40	(615.21)	236,763.19	3,801.39
Merck & Co Inc Corp Notes	0.750%	03/15/23	02/24/26	1,000	4.570%	125,000.00	112,001.25	941.41	112,942.66	252.60
Eli Lilly & Co Corp Notes	5.000%	02/27/23	02/27/26	1,003	5.060%	100,000.00	99,835.00	14.15	99,849.15	1,305.56
Colgate Palmolive Co Corp Notes	4.800%	03/02/23	03/02/26	1,006	4.820%	230,000.00	229,868.90	10.89	229,879.79	2,760.00
John Deere Capital Corp Notes	5.050%	03/03/23	03/03/26	1,007	5.050%	110,000.00	109,987.90	0.99	109,988.89	1,357.89
Roche Holdings Inc Corp Notes	0.991%	04/05/23	03/05/26	1,009	4.240%	200,000.00	182,346.00	944.86	183,290.86	473.48
Commonwealth Bk Austr NY Corp Notes	5.316%	03/13/23	03/13/26	1,017	5.320%	250,000.00	250,000.00	0.00	250,000.00	2,879.50
Paccar Financial Corp Corp Notes	4.450%	03/30/23	03/30/26	1,034	4.470%	115,000.00	114,922.95	4.43	114,927.38	867.13
Walmart Inc Corp Notes	4.000%	04/18/23	04/15/26	1,050	4.020%	50,000.00	49,978.00	0.89	49,978.89	238.89
Caterpillar Finl Serv Corp Notes	4.350%	05/15/23	05/15/26	1,080	4.370%	190,000.00	189,910.70	1.39	189,912.09	367.33
Toyota Motor Credit Corp Notes	4.450%	05/18/23	05/18/26	1,083	4.470%	150,000.00	149,913.00	1.11	149,914.11	241.04
State Street Corp Notes	5.104%	05/18/23	05/18/26	1,083	5.100%	175,000.00	175,000.00	0.00	175,000.00	322.54
Bank of New York Mellon Corp Notes	5.148%	05/24/23	05/22/26	1,087	5.150%	350,000.00	350,000.00	0.00	350,000.00	350.35
	Weighted Avg Maturity		1,512		2.430%	\$ 27,131,362.35	\$ 26,945,887.48	31,428.43	\$ 26,977,315.91	\$ 86,786.82
Capital Reserve (01-122000)										
IIIT - Money Market (PFM Asset Management)	5.102%	05/31/23	06/01/23	1	5.102%	87,825.51	87,825.51	0.00	87,825.51	-
US Treasury Notes	2.250%	11/05/21	12/31/23	214	0.510%	500,000.00	518,613.28	(13,569.22)	505,044.06	4,723.76
US Treasury Notes	0.125%	03/01/21	02/15/24	260	0.270%	2,350,000.00	2,340,085.94	7,534.32	2,347,620.26	860.15
US Treasury Notes	0.125%	04/26/21	02/15/24	260	0.300%	3,000,000.00	2,985,703.13	10,680.77	2,996,383.90	1,098.07
US Treasury Notes	0.250%	04/01/21	03/15/24	289	0.340%	1,600,000.00	1,595,687.50	3,157.15	1,598,844.65	847.83
US Treasury Notes	0.375%	04/26/21	04/15/24	320	0.340%	3,000,000.00	3,002,929.69	(2,067.54)	3,000,862.15	1,444.67
US Treasury Notes	0.250%	06/02/21	05/15/24	350	0.300%	1,700,000.00	1,697,343.75	1,794.70	1,699,138.45	196.33
US Treasury Notes	0.250%	06/29/21	06/15/24	381	0.460%	750,000.00	745,371.09	3,001.73	748,372.82	865.38
US Treasury Notes	0.375%	10/05/21	09/15/24	473	0.510%	1,300,000.00	1,294,820.31	2,905.44	1,297,725.75	1,033.29
US Treasury Notes	1.125%	02/07/22	01/15/25	595	1.500%	965,000.00	954,746.88	4,577.12	959,324.00	4,108.58
US Treasury Notes	1.375%	01/31/23	01/31/25	611	4.280%	2,000,000.00	1,889,765.63	18,246.73	1,908,012.36	9,191.99
US Treasury Notes	1.500%	04/04/22	02/15/25	626	2.650%	1,000,000.00	968,398.44	12,755.21	981,153.65	4,392.27
US Treasury Notes	2.000%	01/31/23	02/15/25	626	4.270%	2,000,000.00	1,912,031.25	14,268.39	1,926,299.64	11,712.71
US Treasury Notes	1.125%	09/02/21	02/28/25	639	0.520%	2,000,000.00	2,041,953.13	(20,960.11)	2,020,993.02	5,686.14
US Treasury Notes	0.500%	03/04/22	03/31/25	670	1.650%	400,000.00	386,250.00	5,558.77	391,808.77	338.80
US Treasury Notes	2.625%	05/04/22	04/15/25	685	2.910%	1,350,000.00	1,339,242.19	3,925.55	1,343,167.74	4,550.72
US Treasury Notes	0.375%	02/08/22	04/30/25	700	1.580%	3,000,000.00	2,887,031.25	45,878.56	2,932,909.81	978.26
US Treasury Notes	2.750%	06/08/22	05/15/25	715	2.910%	3,000,000.00	2,986,757.81	4,422.30	2,991,180.11	3,811.14
US Treasury Notes	2.875%	07/06/22	06/15/25	746	2.860%	1,850,000.00	1,850,505.86	(155.29)	1,850,350.57	24,548.08
US Treasury Notes	3.000%	08/03/22	07/15/25	776	2.910%	1,000,000.00	1,002,500.00	(701.02)	1,001,798.98	11,353.59
US Treasury Notes	3.000%	08/03/22	07/15/25	776	2.780%	1,000,000.00	1,006,250.00	(1,752.55)	1,004,497.45	11,353.59
US Treasury Notes	3.000%	08/05/22	07/15/25	776	3.060%	1,400,000.00	1,397,539.06	686.77	1,398,225.83	15,895.03
US Treasury Notes	0.250%	06/10/22	07/15/25	776	3.020%	2,500,000.00	2,293,847.66	63,984.51	2,357,832.17	2,089.09
US Treasury Notes	4.250%	11/03/22	10/15/25	868	4.460%	500,000.00	497,071.01	571.25	497,641.56	2,728.83
US Treasury Notes	3.000%	12/07/22	10/31/25	884	4.130%	2,100,000.00	2,035,769.53	10,674.75	2,046,444.28	5,478.26
US Treasury Notes	4.500%	12/07/22	11/15/25	899	4.120%	2,115,000.00	2,136,728.32	(3,560.69)	2,133,167.63	4,396.67
US Treasury Notes	4.000%	03/03/23	02/15/26	991	4.610%	230,000.00	226,190.63	317.45	226,508.08	2,693.92
US Treasury Notes	0.750%	05/05/23	04/30/26	1,065	3.830%	1,750,000.00	1,599,062.50	3,735.39	1,602,797.89	1,141.30
Asian Development Bank Corp Notes	0.375%	06/02/21	06/11/24	377	0.400%	1,270,000.00	1,269,238.00	501.06	1,269,739.06	2,248.96
Asian Development Bank Corp Notes	0.625%	10/06/21	10/08/24	496	0.640%	420,000.00	419,773.20	124.55	419,897.75	386.46
Univ of CO Txbi Rev Bonds	2.569%	10/22/19	06/01/23	1	1.950%	190,000.00	194,096.40	(4,096.40)	190,000.00	2,440.51
AZ Tran Board Txbi Rev Bonds	1.795%	02/12/20	07/01/23	31	1.800%	945,000.00	945,000.00	0.00	945,000.00	7,667.81
CT ST Txbi GO Bonds	0.508%	06/04/21	06/01/24	367	0.510%	540,000.00	540,000.00	0.00	540,000.00	1,371.60
New York St Dorm Auth Municipal Bonds	2.566%	03/25/22	03/15/25	654	2.570%	190,000.00	190,000.00	0.00	190,000.00	1,029.25
Los Angeles CCD, CA Txbi GO Bonds	0.773%	11/10/20	08/01/25	793	0.770%	225,000.00	225,000.00	0.00	225,000.00	579.75

DU PAGE WATER COMMISSION
INVESTMENTS
(Unaudited)
May 31, 2023

FUND SOURCE	COUPON RATE	PURCHASE DATE	MATURITY DATE	YIELD TO MATURITY (COST)	PAR VALUE	PURCHASE PRICE	AMORTIZED DISCOUNT (PREMIUM)	AMORTIZED COST	ACCRUED INTEREST 05/31/23
Capital Reserve (01-122000) Continued...									
FN AL2092	3.000%	03/06/18	07/01/27	1,492 2.980%	76,061.61	76,156.68	(53.32)	76,103.36	190.15
Fannie Mae Pool	3.500%	04/05/18	02/01/28	1,707 3.230%	121,132.81	123,896.16	(1,449.82)	122,446.34	353.30
Fannie Mae Pool	3.500%	04/05/18	03/01/28	1,736 3.230%	65,020.24	66,503.50	(771.97)	65,731.53	189.64
Fannie Mae Pool	3.500%	04/05/18	04/01/28	1,767 3.240%	85,427.32	87,296.04	(964.32)	86,331.72	249.16
FR ZT1267	2.500%	08/21/19	05/01/28	1,797 2.320%	76,322.55	77,383.91	(460.79)	76,923.12	159.01
FN CA1940	4.000%	07/11/18	06/01/28	1,828 3.640%	83,947.15	86,439.35	(1,231.61)	85,207.74	279.82
FG J32374	2.500%	02/17/22	11/01/28	1,981 2.220%	220,326.99	224,182.71	(738.40)	223,444.31	459.01
Fannie Mae Pool	4.000%	03/18/19	03/01/29	2,101 3.630%	35,628.60	36,725.28	(463.28)	36,262.00	118.76
FN FS2986	4.000%	10/21/22	10/01/32	3,411 4.370%	358,454.39	347,812.77	653.20	348,465.97	1,194.85
FR SB0364	3.500%	06/21/21	06/01/35	4,384 2.830%	180,448.26	194,433.00	(1,940.11)	192,492.89	526.31
FHR 5050 XL	1.000%	02/11/22	07/01/36	4,780 1.180%	231,943.05	226,434.41	498.02	226,932.43	193.29
FHMS K724 A2	3.062%	02/02/21	11/01/23	154 0.580%	231,143.35	246,754.55	(13,227.45)	233,527.10	589.80
Fannie Mae ACES	3.346%	12/13/19	03/01/24	275 2.140%	104,071.26	109,128.48	(4,154.50)	104,973.98	290.19
FHMS K047 A1	2.827%	06/18/19	12/01/24	550 2.490%	84,678.24	86,133.66	(1,053.90)	85,079.76	199.49
FHMS K046 A2	3.205%	08/08/22	03/01/25	640 3.510%	645,000.00	640,187.70	1,526.98	641,714.68	1,722.69
FHMS K047 A2	3.329%	05/24/22	05/01/25	701 3.100%	650,000.00	654,164.06	(1,447.53)	652,716.53	1,803.21
FHMS KJ32 A1	0.516%	11/18/20	06/01/25	732 0.520%	37,900.52	37,900.34	0.10	37,900.44	16.30
FHLMC Series K049 A2	3.010%	09/06/22	07/01/25	762 3.770%	520,000.00	509,457.81	2,745.68	512,203.49	1,304.33
FHMS K054 A2	2.745%	04/14/23	01/01/26	946 4.370%	385,000.00	369,058.59	770.58	369,829.17	880.69
FHMS KJ31 A1	0.569%	10/20/20	05/01/26	1,066 0.570%	24,791.83	24,791.32	0.24	24,791.56	11.76
FHMS K058 A2	2.653%	04/12/23	08/01/26	1,158 4.020%	675,000.00	646,576.17	1,177.46	647,753.63	1,492.31
FHMS K061 A2	3.347%	05/24/23	11/01/26	1,250 4.310%	470,000.00	455,532.81	92.07	455,624.88	1,310.91
FHMS K063 A2	3.430%	05/24/23	01/01/27	1,311 4.340%	675,000.00	654,565.43	124.03	654,689.46	1,929.38
FHR 4096 PA	1.375%	02/21/20	08/01/27	1,523 1.490%	137,788.34	136,668.81	491.47	137,160.28	157.88
FNR 2012-107 GA	1.500%	12/03/19	09/01/27	1,554 1.690%	60,435.28	59,599.58	376.45	59,976.03	75.54
FNR 2013-39 MP	1.750%	12/09/19	05/01/28	1,797 1.860%	160,044.72	158,694.34	558.58	159,252.92	233.40
FHR 3745 NP	4.000%	09/12/19	06/01/39	5,845 3.740%	17,036.11	17,645.02	(114.47)	17,530.55	56.79
FNR 2015-33 P	2.500%	02/14/20	06/01/45	8,037 2.400%	107,846.05	109,901.87	(266.52)	109,635.35	224.68
Federal Home Loan Bank Notes	4.875%	01/31/23	09/13/24	471 4.650%	2,000,000.00	2,006,900.00	(1,412.69)	2,005,487.31	21,125.00
Federal Home Loan Bank Notes	4.625%	01/31/23	12/13/24	562 4.510%	2,000,000.00	2,003,820.00	(677.74)	2,003,142.26	53,187.50
Freddie Mac Notes	5.150%	01/24/23	01/24/25	604 5.150%	635,000.00	635,000.00	0.00	635,000.00	11,536.72
Federal Home Loan Bank Notes	1.100%	07/20/22	08/20/26	1,177 3.410%	705,000.00	643,305.45	13,066.67	656,372.12	2,175.71
Federal Home Loan Bank Notes	0.830%	08/19/22	02/10/27	1,351 3.370%	675,000.00	604,300.50	12,359.45	616,659.95	1,727.44
Federal Home Loan Bank Notes	1.020%	08/16/22	02/24/27	1,365 3.240%	710,000.00	644,104.90	11,520.68	655,625.58	1,951.32
Merck & Co Inc Corp Notes	0.750%	03/15/23	02/24/26	1,000 4.570%	360,000.00	322,563.60	2,711.27	325,274.87	727.50
Eli Lilly & Co Corp Notes	5.000%	02/27/23	02/27/26	1,003 5.060%	290,000.00	289,521.50	41.04	289,562.54	3,786.11
Colgate Palmolive Co Corp Notes	4.800%	03/02/23	03/02/26	1,006 4.820%	635,000.00	634,638.05	30.05	634,668.10	7,620.00
John Deere Capital Corp Notes	5.050%	03/03/23	03/03/26	1,007 5.050%	315,000.00	314,965.35	2.85	314,968.20	3,888.50
Roche Holdings Inc Corp Notes	0.991%	04/05/23	03/05/26	1,009 4.240%	525,000.00	478,658.25	2,480.26	481,138.51	1,242.88
Nestle Holdings Inc Corp Notes	5.250%	03/14/23	03/13/26	1,017 5.260%	240,000.00	239,920.80	5.71	239,926.51	2,695.00
Commonwealth Bk Austr NY Corp Notes	5.316%	03/13/23	03/13/26	1,017 5.320%	635,000.00	635,000.00	0.00	635,000.00	7,313.93
Paccar Financial Corp Corp Notes	4.450%	03/30/23	03/30/26	1,034 4.470%	320,000.00	319,785.60	12.32	319,797.92	2,412.89
Walmart Inc Corp Notes	4.000%	04/18/23	04/15/26	1,050 4.020%	140,000.00	139,938.40	2.48	139,940.88	668.89
Caterpillar Finl Serv Corp Notes	4.350%	05/15/23	05/15/26	1,080 4.370%	540,000.00	539,746.20	3.94	539,750.14	1,044.00
Toyota Motor Credit Corp Notes	4.450%	05/18/23	05/18/26	1,083 4.470%	410,000.00	409,762.20	3.04	409,765.24	658.85
State Street Corp Notes	5.104%	05/18/23	05/18/26	1,083 5.100%	490,000.00	490,000.00	0.00	490,000.00	903.12
Bank of New York Mellon Corp Notes	5.148%	05/24/23	05/22/26	1,087 5.150%	975,000.00	975,000.00	0.00	975,000.00	975.98
Weighted Avg Maturity			737	2.632%	\$ 67,348,274.18	\$ 66,254,083.40	193,265.85	\$ 66,447,349.25	\$ 294,496.82
TOTAL ALL FUNDS				2.756%	\$ 197,609,816.14	\$ 195,246,924.30	444,068.09	\$ 195,690,992.39	\$ 658,843.17
Less: Net Unsettled Trades									
								<u>\$ 195,690,992.39</u>	
May 31, 2023	90 DAY US TREASURY YIELD			5.52%					
	3 month US Treasury Bill Index			5.29%					
	0-3 Year US Treasury Index			4.75%					
	1-3 Year US Treasury Index			4.60%					
	1-5 Year US Treasury Index			4.33%					
	1-10 Year US Treasury Index			4.14%					

DUPAGE WATER COMMISSION
ELMHURST, ILLINOIS
TREASURER'S REPORT
STATEMENT OF CASH FLOWS
For the Period from May 1, 2023 to May 31, 2023

CASH FLOWS FROM OPERATING ACTIVITIES

Cash received from customers	\$ 10,247,962
Cash payments to suppliers	(12,393,287)
Cash payments to employees	(273,707)
Net cash from operating activities	(2,419,032)

CASH FLOWS FROM NONCAPITAL

FINANCING ACTIVITIES

Cash received from sales taxes	1,393
Cash received/paid from long term loans	36,197
Cash payments for net pension activity	0
Net cash from noncapital financing activities	37,590

CASH FLOWS FROM CAPITAL AND

RELATED FINANCING ACTIVITIES

Interest paid	0
Principal Paid	0
Construction and purchase of capital assets	(69,232)
Net cash from capital and related financing activities	(69,232)

CASH FLOWS FROM INVESTING ACTIVITIES

Investment income	286,074
Net cash from investing activities	286,074

Net Increase (Decrease) in cash and investments (2,164,600)

CASH AND INVESTMENTS, MAY 1, 2023 227,736,057

CASH AND INVESTMENTS, MAY 31, 2023 \$ 225,571,457

May 31, 2023
 TREASURER'S REPORT
 DPWC MONTHLY CASH/OPERATING REPORT

5/31/2023			
	YEAR END TARGETED Reserve or Monthly Cash Amount-Needed	Amount On Hand	Amount Over - (Under) Target
TABLE 1	A	B	C
RESERVE ANALYSIS			
A .Operating Reserve <i># of days per current fiscal year management budget</i>	\$ 75,542,631 180	\$ 75,681,023 180	\$ 138,392
B. Capital Reserve	\$ 60,500,000	\$ 63,796,502	\$ 3,296,502
C. Long Term Water Capital Reserve	\$ 24,625,000	\$ 26,977,316	\$ 2,352,316
D. O+M Account (1)	\$ 13,439,037	\$ 32,628,497	\$ 19,189,460
E. Current Construction Obligation and Customer Construction Escrows	\$ 2,650,847	\$ 2,650,847	\$ -
TOTAL SUMMARY CASH + RESERVE ANALYSIS	\$ 176,757,515	\$ 201,734,185	\$ 24,976,670

TABLE 2	
OTHER CASH	
F. General Fund	\$ 23,837,271
TOTAL TABLE 2-OTHER CASH	\$ 23,837,271
TOTAL MONTH END FUNDS CASH BALANCE-Table1+2	\$ 225,571,456

Note 1: The O&M Account target varies from month to month. The cash balance should be enough to cover the current months operating cash outflows.

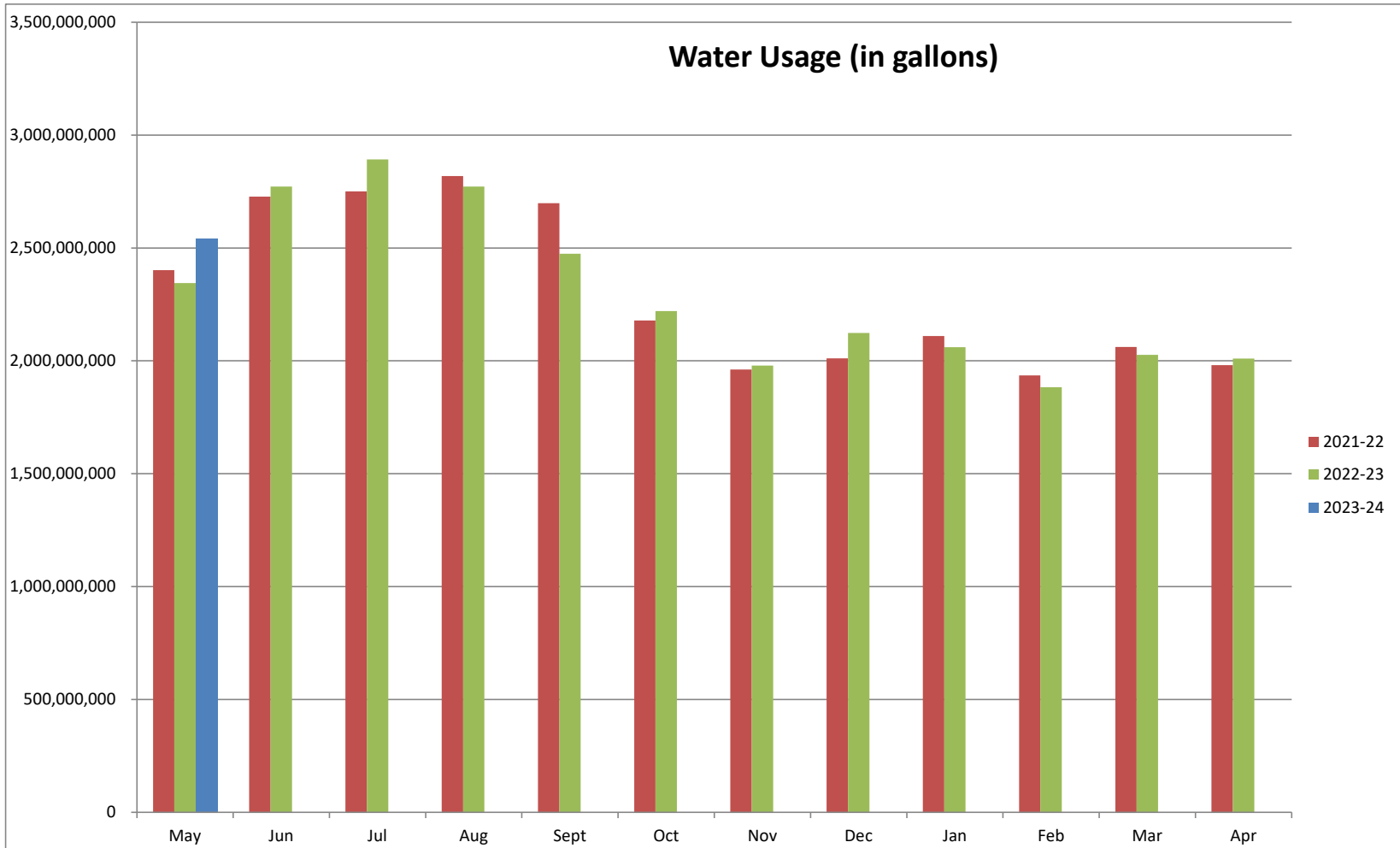


MEMORANDUM

To: Paul May, General Manager
From: Cheryl Peterson, Financial Administrator
Date: 6/6/2023
Subject: Financial Report – May 31, 2023

- Water sales to Commission customers for May 2023 were 197.9 million gallons (8.7%) above May 2022 and increased by 512.2 million gallons compared to April 2023.
- Water sales to Commission customers for May were 306.6 million gallons (14.1%) higher than the budgeted anticipated/forecasted sales for the month.
- For the month of May, water billings to customers for O&M costs were \$13.3 million and water purchases from the City of Chicago were \$11.0 million. Water billing receivables at the May month end (\$15.6 million) were higher compared to the prior month (\$12.5 million) primarily due to increased water rates, increased water sales, and timing of receivables.
- For the one month ended May 31, 2023, \$14.0 million of the \$141.2 million revenue budget has been realized. Therefore, 10% of the revenue budget has been accounted for year to date. For the same period, \$12.8 million of the \$148.1 million expenditure budget has been realized, and this accounts for 9% of the expenditure budget.
- Adjusted for seasonality based on a monthly trend, year to date revenues are 115% percent of the current budget and expenses are 101% of the current budget.
- The Operating Reserve, Capital Reserve and Long-Term Water Capital Accounts have reached their respective 2023/2024 fiscal year end minimum targeted levels.
- The O&M and General Account have balances of \$32.6 million and \$23.8 million, respectively.

cc: Chairman and Commissioners



DuPage Water Commission
 Summary of Specific Account Target and Summary of Net Assets
 May 31, 2023

Revenue Bond Ordinance Accounts and Commission Policy Reserves	Account / Reserve Assets Balance (1)	Offsetting Liabilities	Year-End Specific Account Target	Status
Operations and Maintenance Account	\$ 32,628,497.04	\$ 13,439,036.98		Positive Net Assets
General Account	\$ 23,845,560.25	\$ -		Positive Net Assets
Operating Reserve	\$ 75,950,293.54		\$ 75,542,631.00	Target Met
Capital Reserve	\$ 66,741,846.07		\$ 63,150,847.65	Target Met
L-T Water Capital Reserve	\$ 27,064,102.73		\$ 24,625,000.00	Target Met
	\$ 226,230,299.63	\$ 13,439,036.98	\$ 163,318,478.65	\$ 49,472,784.00

<u>Total Net Assets - All Commission Accounts</u>	
Unrestricted	\$ 227,430,996.61
Invested in Capital Assets, net	<u>\$ 323,226,250.41</u>
 Total	 <u><u>\$ 550,657,247.02</u></u>

(1) Includes Interest Receivable



	Current Year Balance	Prior Year Balance	Variance Favorable / (Unfavorable)
Fund: 01 - WATER FUND			
Assets			
Level1: 10 - CURRENT ASSETS			
110 - CASH	29,880,464.07	39,920,968.83	-10,040,504.76
120 - INVESTMENTS	195,690,992.39	178,965,046.37	16,725,946.02
131 - WATER SALES	15,609,393.79	12,979,787.77	2,629,606.02
132 - INTEREST RECEIVABLE	658,843.17	394,460.79	264,382.38
134 - OTHER RECEIVABLE	-6,039,526.34	-6,144,826.19	105,299.85
135 - LOAN RECEIVABLE - CURRENT	258,724.37	253,306.98	5,417.39
150 - INVENTORY	177,768.00	177,768.00	0.00
155 - PREPAIDS	601,262.29	507,035.95	94,226.34
Total Level1 10 - CURRENT ASSETS:	236,837,921.74	227,053,548.50	9,784,373.24
Level1: 17 - NONCURRENT ASSETS			
170 - FIXED ASSETS	536,112,347.49	535,970,077.10	142,270.39
175 - LESS: ACCUMULATED DEPRECIATION	-221,319,644.41	-212,142,761.97	-9,176,882.44
180 - CONSTRUCTION IN PROGRESS	8,433,547.33	2,335,503.71	6,098,043.62
190 - LONG-TERM ASSETS	11,697,240.12	14,629,946.29	-2,932,706.17
Total Level1 17 - NONCURRENT ASSETS:	334,923,490.53	340,792,765.13	-5,869,274.60
Total Assets:	571,761,412.27	567,846,313.63	3,915,098.64
Liability			
Level1: 21 - CURRENT LIABILITIES			
210 - ACCOUNTS PAYABLE	11,670,739.66	9,755,664.61	-1,915,075.05
211 - OTHER CURRENT LIABILITIES	1,302,842.87	935,835.00	-367,007.87
225 - ACCRUED PAYROLL LIABILITIES	123,597.92	115,209.96	-8,387.96
226 - ACCRUED VACATION	341,856.53	316,350.50	-25,506.03
250 - CONTRACT RETENTION	417,618.90	0.00	-417,618.90
251 - CUSTOMER DEPOSITS	2,233,228.75	130,542.50	-2,102,686.25
270 - DEFERRED REVENUE	3,927,825.62	5,196,958.20	1,269,132.58
Total Level1 21 - CURRENT LIABILITIES:	20,017,710.25	16,450,560.77	-3,567,149.48
Level1: 25 - NONCURRENT LIABILITIES			
297 - POST EMPLOYMENT BENEFITS LIABILITIES	1,086,455.00	3,769,823.00	2,683,368.00
Total Level1 25 - NONCURRENT LIABILITIES:	1,086,455.00	3,769,823.00	2,683,368.00
Total Liability:	21,104,165.25	20,220,383.77	-883,781.48
Equity			
Level1: 30 - EQUITY			
300 - EQUITY	549,497,155.95	546,719,532.78	2,777,623.17
Total Level1 30 - EQUITY:	549,497,155.95	546,719,532.78	2,777,623.17
Total Beginning Equity:	549,497,155.95	546,719,532.78	2,777,623.17
Total Revenue	13,970,267.92	12,186,096.05	1,784,171.87
Total Expense	12,810,176.85	11,279,698.97	-1,530,477.88
Revenues Over/(Under) Expenses	1,160,091.07	906,397.08	253,693.99
Total Equity and Current Surplus (Deficit):	550,657,247.02	547,625,929.86	3,031,317.16
Total Liabilities, Equity and Current Surplus (Deficit):	571,761,412.27	567,846,313.63	3,915,098.64



Monthly & YTD Budget Report

...		May	May	2023-2024	2023-2024	Seasonal Percent	2023-2024	Total Percent Used
...		2023-2024	2023-2024	Seasonal YTD...	YTD Activity	Used	Total Budget	
		Budget	Activity					
01 - WATER FUND								
Revenue								
510 - WATER SERVICE								
							% of Year Completed: 8%	
01-511100	O&M PAYMENTS- GOVERNMENTAL	-11,403,823.80	-13,018,008.85	-11,403,823.80	-13,018,008.85	114%	-132,602,602.44	10%
01-511200	O&M PAYMENTS- PRIVATE	-280,421.76	-305,521.37	-280,421.76	-305,521.37	109%	-3,260,718.23	9%
01-513100	SUBSEQUENT CUSTOMER - GO	-189,606.24	-189,606.24	-189,606.24	-189,606.24	100%	-2,275,274.88	8%
01-513200	SUBSEQUENT CUSTOMER - PRIVAT	-173,572.50	-173,572.50	-173,572.50	-173,572.50	100%	-2,082,870.00	8%
01-514100	EMERGENCY WATER SERVICE- GOV	-1,175.85	-13,361.81	-1,175.85	-13,361.81	1,136%	-21,775.00	61%
510 - WATER SERVICE Totals:		-12,048,600.15	-13,700,070.77	-12,048,600.15	-13,700,070.77	114%	-140,243,240.55	10%
520 - TAXES								
							% of Year Completed: 8%	
01-530010	SALES TAXES - WATER REVENUE	0.00	-1,393.16	0.00	-1,393.16	0%	0.00	0%
520 - TAXES Totals:		0.00	-1,393.16	0.00	-1,393.16	0%	0.00	0%
540 - OTHER INCOME								
							% of Year Completed: 8%	
01-581000	INVESTMENT INCOME	-66,640.00	-260,109.99	-66,640.00	-260,109.99	390%	-800,000.00	33%
01-582000	INTEREST INCOME	-15,776.02	0.00	-15,776.02	0.00	0%	-189,388.00	0%
01-590000	OTHER INCOME	0.00	-8,694.00	0.00	-8,694.00	0%	0.00	0%
540 - OTHER INCOME Totals:		-82,416.02	-268,803.99	-82,416.02	-268,803.99	326%	-989,388.00	27%
Revenue Totals:		-12,131,016.17	-13,970,267.92	-12,131,016.17	-13,970,267.92	115%	-141,232,628.55	10%

Monthly & YTD Budget Report

For Fiscal: 2023-2024 Period Ending: 5/31/2023

...	...	May 2023-2024 Budget	May 2023-2024 Activity	2023-2024 Seasonal YT...	2023-2024 YTD Activity	Seasonal Percent Used	2023-2024 Total Budget	Total Percent Used
Expense								
610 - PERSONNEL SERVICES								
								% of Year Completed: 8%
01-60-611100	ADMIN SALARIES	187,893.76	147,720.69	187,893.76	147,720.69	79%	1,990,400.00	7%
01-60-611200	OPERATIONS SALARIES	192,907.50	174,760.62	192,907.50	174,760.62	91%	2,225,000.00	8%
01-60-611300	SUMMER INTERNS	11,520.00	0.00	11,520.00	0.00	0%	36,000.00	0%
01-60-611600	ADMIN OVERTIME	616.63	781.40	616.63	781.40	127%	7,400.00	11%
01-60-611700	OPERATIONS OVERTIME	28,735.87	14,942.62	28,735.87	14,942.62	52%	333,750.00	4%
01-60-612100	PENSION	23,302.29	6,600.83	23,302.29	6,600.83	28%	279,627.50	2%
01-60-612200	MEDICAL/LIFE BENEFITS	68,656.00	58,356.23	68,656.00	58,356.23	85%	980,800.00	6%
01-60-612300	FEDERAL PAYROLL TAXES	30,108.98	24,878.25	30,108.98	24,878.25	83%	351,330.08	7%
01-60-612800	STATE UNEMPLOYMENT	1,148.33	48.35	1,148.33	48.35	4%	13,780.00	0%
01-60-613100	TRAVEL	950.00	662.00	950.00	662.00	70%	11,400.00	6%
01-60-613200	TRAINING	6,437.50	1,679.34	6,437.50	1,679.34	26%	77,250.00	2%
01-60-613301	CONFERENCES	5,775.00	1,014.00	5,775.00	1,014.00	18%	69,300.00	1%
01-60-613302	TUITION REIMBURSEMENT	1,666.66	1,280.00	1,666.66	1,280.00	77%	20,000.00	6%
01-60-619100	OTHER PERSONNEL COSTS	2,125.00	840.82	2,125.00	840.82	40%	25,500.00	3%
610 - PERSONNEL SERVICES Totals:		561,843.52	433,565.15	561,843.52	433,565.15	77%	6,421,537.58	7%
620 - CONTRACT SERVICES								
								% of Year Completed: 8%
01-60-621000	WATER CONSERVATION PROGRAM	916.66	0.00	916.66	0.00	0%	11,000.00	0%
01-60-623300	TRUST SERVICES & BANK CHARGE	11,500.00	11,554.30	11,500.00	11,554.30	100%	138,000.00	8%
01-60-625100	LEGAL SERVICES- GENERAL	8,333.33	13,880.00	8,333.33	13,880.00	167%	100,000.00	14%
01-60-625300	LEGAL SERVICES- SPECIAL	12,500.00	1,120.00	12,500.00	1,120.00	9%	150,000.00	1%
01-60-625800	LEGAL NOTICES	2,708.33	0.00	2,708.33	0.00	0%	32,500.00	0%
01-60-626000	AUDIT SERVICES	7,500.00	10,000.00	7,500.00	10,000.00	133%	33,000.00	30%
01-60-628000	CONSULTING SERVICES	31,500.00	0.00	31,500.00	0.00	0%	378,000.00	0%
01-60-629000	CONTRACTUAL SERVICES	75,091.66	38,421.08	75,091.66	38,421.08	51%	901,100.00	4%
620 - CONTRACT SERVICES Totals:		150,049.98	74,975.38	150,049.98	74,975.38	50%	1,743,600.00	4%
640 - INSURANCE								
								% of Year Completed: 8%
01-60-641100	GENERAL LIABILITY INSURANCE	13,666.66	8,063.90	13,666.66	8,063.90	59%	164,000.00	5%
01-60-641200	PUBLIC OFFICIAL LIABILITY	2,025.00	1,588.17	2,025.00	1,588.17	78%	24,300.00	7%
01-60-641500	WORKER'S COMPENSATION	12,083.33	10,301.00	12,083.33	10,301.00	85%	145,000.00	7%
01-60-641600	EXCESS LIABILITY COVERAGE	5,833.33	4,179.91	5,833.33	4,179.91	72%	70,000.00	6%
01-60-642100	PROPERTY INSURANCE	37,916.66	33,191.66	37,916.66	33,191.66	88%	455,000.00	7%
01-60-642200	AUTOMOBILE INSURANCE	2,500.00	1,806.17	2,500.00	1,806.17	72%	30,000.00	6%
01-60-649100	SELF INSURANCE PROPERTY	8,333.33	0.00	8,333.33	0.00	0%	100,000.00	0%
640 - INSURANCE Totals:		82,358.31	59,130.81	82,358.31	59,130.81	72%	988,300.00	6%

...	...	May 2023-2024 Budget	May 2023-2024 Activity	2023-2024 Seasonal YT...	2023-2024 YTD Activity	Seasonal Percent Used	2023-2024 Total Budget	Total Percent Used
650 - OPERATIONAL SUPPORT SRVS								
							% of Year Completed: 8%	
01-60-651200	GENERATOR DIESEL FUEL	9,375.00	18,132.65	9,375.00	18,132.65	193%	112,500.00	16%
01-60-651300	NATURAL GAS	2,748.90	527.62	2,748.90	527.62	19%	33,000.00	2%
01-60-651401	TELEPHONE	6,388.33	1,756.43	6,388.33	1,756.43	27%	76,660.00	2%
01-60-651403	RADIOS	2,189.12	1,131.00	2,189.12	1,131.00	52%	26,280.00	4%
01-60-651404	REPAIRS & EQUIPMENT	250.00	0.00	250.00	0.00	0%	3,000.00	0%
01-60-652100	OFFICE SUPPLIES	2,351.66	1,742.23	2,351.66	1,742.23	74%	28,220.00	6%
01-60-652200	BOOKS & PUBLICATIONS	670.83	0.00	670.83	0.00	0%	8,050.00	0%
01-60-653100	PRINTING- GENERAL	1,258.33	84.00	1,258.33	84.00	7%	15,100.00	1%
01-60-653200	POSTAGE & DELIVERY	533.33	60.57	533.33	60.57	11%	6,400.00	1%
01-60-654000	PROFESSIONAL DUES	1,618.75	6,074.00	1,618.75	6,074.00	375%	19,425.00	31%
01-60-655000	REPAIRS & MAINT- OFFICE EQUI	634.74	681.82	634.74	681.82	107%	7,620.00	9%
01-60-656000	REPAIRS & MAINT- BLDGS & GRN	24,083.33	12,151.30	24,083.33	12,151.30	50%	289,000.00	4%
01-60-658000	COMPUTER SOFTWARE	3,348.66	0.00	3,348.66	0.00	0%	40,200.00	0%
01-60-659000	COMPUTER/SOFTWARE MAINTENAI	14,966.66	10,497.21	14,966.66	10,497.21	70%	179,600.00	6%
01-60-659100	OTHER ADMINISTRATIVE EXPENSE	1,124.55	998.97	1,124.55	998.97	89%	13,500.00	7%
650 - OPERATIONAL SUPPORT SRVS Totals:		71,542.19	53,837.80	71,542.19	53,837.80	75%	858,555.00	6%
660 - WATER OPERATION								
							% of Year Completed: 8%	
01-60-661101	WATER BILLING	10,146,027.33	10,979,785.28	10,146,027.33	10,979,785.28	108%	117,977,061.98	9%
01-60-661102	ELECTRICITY	172,000.00	102,819.20	172,000.00	102,819.20	60%	2,000,000.00	5%
01-60-661103	OPERATIONS & MAINTENANCE	65,000.00	40,000.00	65,000.00	40,000.00	62%	780,000.00	5%
01-60-661104	MAJOR MAINTENANCE	20,833.33	0.00	20,833.33	0.00	0%	250,000.00	0%
01-60-661201	PUMP STATION	236,500.00	230,000.00	236,500.00	230,000.00	97%	2,750,000.00	8%
01-60-661202	METER STATION, ROV, TANK SITE	15,136.00	21,763.63	15,136.00	21,763.63	144%	176,000.00	12%
01-60-661300	WATER CHEMICALS	4,825.00	4,185.13	4,825.00	4,185.13	87%	57,900.00	7%
01-60-661400	WATER TESTING	8,478.66	2,024.75	8,478.66	2,024.75	24%	101,744.00	2%
01-60-662100	PUMPING SERVICES	44,525.00	0.00	44,525.00	0.00	0%	534,300.00	0%
01-60-662300	METER TESTING & REPAIRS	3,375.00	0.00	3,375.00	0.00	0%	40,500.00	0%
01-60-662400	SCADA / INSTRUMENTATION	3,991.66	153.65	3,991.66	153.65	4%	47,900.00	0%
01-60-662500	EQUIPMENT RENTAL	500.00	0.00	500.00	0.00	0%	6,000.00	0%
01-60-662600	UNIFORMS	1,833.33	0.00	1,833.33	0.00	0%	22,000.00	0%
01-60-662700	SAFETY	14,918.33	3,333.50	14,918.33	3,333.50	22%	179,020.00	2%
01-60-663100	PIPELINE REPAIRS	112,500.00	0.00	112,500.00	0.00	0%	1,350,000.00	0%
01-60-663200	COR TESTING & MITIGATION	28,750.00	0.00	28,750.00	0.00	0%	345,000.00	0%
01-60-663300	REMOTE FACILITIES MAINTENANCE	33,216.66	2,202.11	33,216.66	2,202.11	7%	398,600.00	1%
01-60-663400	PLAN REVIEW- PIPELINE CONFLI	4,414.90	0.00	4,414.90	0.00	0%	53,000.00	0%
01-60-663700	PIPELINE SUPPLIES	8,666.66	12,759.99	8,666.66	12,759.99	147%	104,000.00	12%
01-60-664000	MACHINERY & EQUIP- NON CAP	1,762.50	0.00	1,762.50	0.00	0%	21,150.00	0%

Monthly & YTD Budget Report

For Fiscal: 2023-2024 Period Ending: 5/31/2023

...	...	May 2023-2024 Budget	May 2023-2024 Activity	2023-2024 Seasonal YT...	2023-2024 YTD Activity	Seasonal Percent Used	2023-2024 Total Budget	Total Percent Used
01-60-664100	REPAIRS & MAINT- VEHICLES	3,291.63	2,221.21	3,291.63	2,221.21	67%	39,500.00	6%
01-60-664200	FUEL- VEHICLES	3,750.00	2,226.40	3,750.00	2,226.40	59%	45,000.00	5%
01-60-664300	LICENSES- VEHICLES	275.00	0.00	275.00	0.00	0%	3,300.00	0%
660 - WATER OPERATION Totals:		10,934,570.99	11,403,474.85	10,934,570.99	11,403,474.85	104%	127,281,975.98	9%

680 - LAND & LAND RIGHTS

% of Year Completed: 8%

01-60-681000	LEASES	83.33	0.00	83.33	0.00	0%	1,000.00	0%
01-60-682000	PERMITS & FEES	516.66	0.00	516.66	0.00	0%	6,200.00	0%
680 - LAND & LAND RIGHTS Totals:		599.99	0.00	599.99	0.00	0%	7,200.00	0%

685 - CAPITAL EQUIP / DEPREC

% of Year Completed: 8%

01-60-685100	COMPUTERS	6,875.00	4,340.19	6,875.00	4,340.19	63%	82,500.00	5%
01-60-685200	OFFICE FURNITURE & EQUIPMT	29,000.00	0.00	29,000.00	0.00	0%	29,000.00	0%
01-60-685600	MACHINERY & EQUIPMENT	176,000.00	56,383.95	176,000.00	56,383.95	32%	176,000.00	32%
01-60-685800	CAPITALIZED EQUIP	-205,000.00	-56,383.95	-205,000.00	-56,383.95	28%	-205,000.00	28%
01-60-686000	VEHICLES	196,000.00	0.00	196,000.00	0.00	0%	196,000.00	0%
01-60-686800	CAPITALIZED VEHICLE PURCHASES	-196,000.00	0.00	-196,000.00	0.00	0%	-196,000.00	0%
01-60-692000	DEPRECIATION- TRANS MAINS	425,000.00	400,591.67	425,000.00	400,591.67	94%	5,100,000.00	8%
01-60-693000	DEPRECIATION- BUILDINGS	283,333.33	242,475.61	283,333.33	242,475.61	86%	3,400,000.00	7%
01-60-694000	DEPRECIATION-PUMPING EQUIPMEI	153,333.33	120,713.41	153,333.33	120,713.41	79%	1,840,000.00	7%
01-60-695200	DEPRECIATION- OFFICE FURN &	15,833.33	7,127.15	15,833.33	7,127.15	45%	190,000.00	4%
01-60-696000	DEPRECIATION- VEHICLES	15,166.66	9,944.83	15,166.66	9,944.83	66%	182,000.00	5%
685 - CAPITAL EQUIP / DEPREC Totals:		899,541.65	785,192.86	899,541.65	785,192.86	87%	10,794,500.00	7%

710 - CONSTRUCTION IN PROGRESS

% of Year Completed: 8%

01-60-722200	DPS BUILDINGS REHAB & MAINT	950,000.00	0.00	950,000.00	0.00	0%	950,000.00	0%
01-60-722202	DPS VALVE REPLACEMENT	500,000.00	0.00	500,000.00	0.00	0%	500,000.00	0%
01-60-722300	GENERATION BUILDING REHAB & M	4,800,000.00	0.00	4,800,000.00	0.00	0%	4,800,000.00	0%
01-60-751200	CATHODIC PROTECTION	750,000.00	8,090.78	750,000.00	8,090.78	1%	750,000.00	1%
01-60-771000	VALVE REHAB & REPLACEMENT	500,000.00	0.00	500,000.00	0.00	0%	500,000.00	0%
01-60-771200	CONDITION ASSESSMENT	500,000.00	0.00	500,000.00	0.00	0%	500,000.00	0%
01-60-771700	REPLACEMENT OF SCADA SYSTEM	6,800,000.00	4,757.02	6,800,000.00	4,757.02	0%	6,800,000.00	0%
01-60-772500	ALTERNATIVE WATER SOURCE	1,000,000.00	0.00	1,000,000.00	0.00	0%	1,000,000.00	0%
01-60-798000	CAPITALIZED FIXED ASSETS	-15,800,000.00	-12,847.80	-15,800,000.00	-12,847.80	0%	-15,800,000.00	0%
710 - CONSTRUCTION IN PROGRESS Totals:		0.00	0.00	0.00	0.00	0%	0.00	0%

Monthly & YTD Budget Report

For Fiscal: 2023-2024 Period Ending: 5/31/2023

...	...	May 2023-2024 Budget	May 2023-2024 Activity	2023-2024 Seasonal YTD...	2023-2024 YTD Activity	Seasonal Percent Used	2023-2024 Total Budget	Total Percent Used
850 - ESCROW FUNDED CONSTRUCTION								
								% of Year Completed: 8%
01-80-850001	METERING STATION	1,000,000.00	0.00	1,000,000.00	0.00	0%	1,000,000.00	0%
01-80-852001	AQUA ILLINOIS	2,000,000.00	0.00	2,000,000.00	0.00	0%	2,000,000.00	0%
01-80-852010	MONTGOMERY/OSWEGO/YORKVILL	1,200,000.00	0.00	1,200,000.00	0.00	0%	1,200,000.00	0%
01-80-899000	CONTRIBUTED/CAPITALIZED FIXED A	-4,200,000.00	0.00	-4,200,000.00	0.00	0%	-4,200,000.00	0%
850 - ESCROW FUNDED CONSTRUCTION Totals:		0.00	0.00	0.00	0.00	0%	0.00	0%
Expense Totals:		12,700,506.63	12,810,176.85	12,700,506.63	12,810,176.85	101%	148,095,668.56	9%
01 - WATER FUND Totals:		569,490.46	-1,160,091.07	569,490.46	-1,160,091.07	-204%	6,863,040.01	-17%



MEMORANDUM

To: Paul May – General Manager

From: Chris Bostick – Manager of Water Operations

Mike Weed – Operations & Instrumentation Supervisor
Dariusz Panaszek – Pipeline & Remote Facilities Supervisor
Jessica Haney – Project Engineer
Denis Cuvalo – SCADA and Information Technology Supervisor

Date: 6/8/2023

Subject: Status of Operations and Construction

Operations Overview

The Commission's sales for the month of May 2023 were a total of 2.46 billion gallons. This represents an average daily demand of 79.4 million gallons per day (MGD), which is higher than the May 2022 average day demand of 73.7 MGD. The maximum day demand was 103.4 MGD recorded on May 31, 2023, which is higher than the May 2022 maximum day demand of 84.6 MGD. The minimum day flow was 64 MGD.

The Commission's recorded total precipitation for the month of May 2023 was .54 inches compared to 4.93 inches for May 2022. The level of Lake Michigan for May 2023 is 579.66 (Feet IGLD 1985) compared to 579.92 (Feet IGLD 1985) for May 2022.

Operations & Instrumentation Maintenance and Construction Overview

The DuPage Pump Station's High Lift Pump (HLP) and Motor rehabilitation program includes inspecting, cleaning, and repairing one pump and motor assembly per year. HLP #9 and Motor #9 were removed and sent to Midwest Service Center for cleaning and performing electromechanical checks and provision of a status report including documentation of necessary repairs. The cleaning and repair services are in process, delivery of the motor occurred on April 6th, and reinstallation and assembly of the pump and motor is scheduled for late June.

The start-up of newly installed water quality monitoring equipment at various locations throughout the distribution system is ongoing. Currently, 9 units are active and monitoring, and 6 units are in the process of being installed and tentatively scheduled for start-up in late June.

Lexington Pump Station

AECOM Technical Services and Staff have nearly completed a comprehensive Condition Assessment of the Lexington Pump Station's critical facilities and have tendered the draft report for Staff review. A report will be delivered to the Committee prior to the next regularly scheduled Committee meeting.

Pipeline & Remote Facilities Maintenance and Construction Overview

Pipeline Staff continues blow-off valve exercising and structure inspections.

Remote Facilities Staff continues Meter Stations' maintenance and corrective work programs.

Pipeline Staff continues inspecting and performing maintenance work on existing Cathodic Protection Test Stations.

Resolution R-30-23 appears on the agenda requesting approval of the Revision to Work Authorization Order No. 016 under the Quick Response Contract QR-12/21, to Benchmark Construction Co., Inc. for an additional amount of \$299,803.19 for the work necessary to remediate severe corrosion found on the 72-inch West Discharge steel water main and to prevent a potentially catastrophic failure.

The annual cathodic Test Point and Close Interval Survey for the pipeline transmission and distribution system is 40% complete. Staff anticipates completing approximately 85%, or roughly 170 miles of pipeline this year.

R-24-23 appears on the agenda seeking approval of a First Amendment to Task Order No. 06 with DelasCasas CP, LLC for additional design, residential engineering, and commissioning services for a new cathodic protection system on the Inner Belt Transmission main (TIB-01/03) which is a 72" diameter steel pipeline at an increase cost of \$62,500.00.

R-25-23 appears on the agenda seeking approval of a First Amendment to Task Order Nos. 06 and 07 with Northern Inspection Services, LLC for residential engineering and commissioning services for replacement cathodic protection systems on the Outer Belt Transmission main (TOB-E/87) and new cathodic protection systems on the South Transmission Main (TS-3/88) at an increase cost of \$26,720.00 and \$45,800.00 respectively.

Engineering & Capital Improvement Program Overview

A kick-off meeting with Donohue and Associates was held on June 7th to begin design services related to necessary improvements to ROV10A which include structural, electrical and electromechanical improvements.

The DPPS Emergency Generation System Modifications (Contract PSD-10/22) project is ongoing. R-26-23 appears on the agenda seeking approval of Change Order No. 02 to furnish and install insulated panels for the Outside Air Intake Plenum for an additional expense of \$53,700.11. Construction is recovering from

supply chain delays in receiving and installing concrete masonry block in lieu of structural glazed block. The contractor is also starting to install precast panels for the new building addition. The Contract Completion Date remains as February 24, 2024, and the total Change Order percentage to date is 2.78%.

Caterpillar/Altorfer Power Systems and Staff and the Engineers continue working through the submittal documents for the Generator Controls Update Project. The work is now tentatively scheduled for September.

Schneider Electric, the Building Automation System (BAS) upgrade contractor has completed the installation of upgraded HVAC network controllers and Lighting Controls in the Generator Facilities with punchlist and programming work wrapping up.

Johnson Controls has completed the rooftop chiller replacements and chilled water pumps and are operating as intended. Punchlist and record documentation efforts are underway.

The coating rehabilitation of piping in the Influent, Effluent, and 72" Meter Buildings is winding down. The contractor has finished applying insulative coatings to the 84" diameter pipe in the East Effluent Building, the 72" Meter Building, and the Reservoir Influent Building. The contractor is working to repair coating defects found in the West Effluent Building.

WaterLink Communities (Montgomery/Oswego/Yorkville)

Engineering qualifications were received from four (4) potential firms to perform Phase I Engineering Services to design the 27 plus miles of transmission and feeder water mains necessary to serve the WaterLink Communities. With input from the Communities, three (3) firms were short listed for in-person presentations and interviews held on May 18th. Upon completion of the interviews, LAN and Associates was selected as the finalist and presented their scope and fees which have been negotiated and appear on the Agenda as R-28-23. In addition, appearing on the Administration Committee agenda is R-27-23 is the presentation of the Intergovernmental Escrow Agreements with the WaterLink Communities which will enable the funding mechanisms for costs of the pipeline designs going forward.

SCADA & Information Technology Overview

The SCADA Replacement Project (Contract PSD-9/21) is ongoing. The Control Room remodel is ongoing, with the light fixtures, Terrazzo floor, furniture installation and electrical work nearing completion. The new SCADA system is slowly taking form, with Commission staff working with Concentric Integration to finish the design of the Pump Station HMI screens. Workshops are continuing in preparation for upcoming tasks such as the DPPS UPS installation, duct bank installation, the campus Fiber backbone replacement, and most importantly the DWC campus control panel replacement. There has been constant effort from Commission staff in providing their input and knowledge in the development of this system and the project is progressing under budget and on schedule.

June 2023 Commission Agenda Items:

- R-24-23:** A Resolution Approving a First Amendment to Task Order No. 6 under a Master Contract with DeLasCasas CP, LLC **(Not-To-Exceed Cost of \$62,500.00)**
- R-25-23:** A Resolution Approving First Amendments to Task Order Nos. 06 and 07 under a Master Contract with Northern Inspection Services, LLC **(Task Order No. 06 - Estimated Not-To-Exceed \$26,720.00 and Task Order No. 07 - Estimated Not-To-Exceed \$45,800.00)**
- R-26-23:** A Resolution Approving and Ratifying Certain Change Orders for a Contract for the Construction of DPPS Emergency Generation System Modifications (Contract PSD-10/22) **(Change Order No. 02 – Increase of Contract Price by \$53,700.11.)**
- R-28-23:** A Resolution approving an Engineering Contract for WaterLink Pipeline Extension **(LAN and Associates – Phase I Services – \$4,280,000.00)**
- R-30-23:** A Resolution to Approve Certain Revised Work Authorization Orders Under Quick Response Contract QR-12/21 **(WAO No. 016R1 – Benchmark Construction – Additional Cost of \$299,803.19)**
- R-31-23:** A Resolution to Approve Certain Work Authorization Orders Under Quick Response Contract QR-12/21 **(WAO No. 020 – Rossi Contractors – Estimated Cost of \$105,610.00)**

Attachments

1. DuPage Laboratory Bench Sheets for May 2023
2. Water Sales Analysis 01-May-2018 to 30-May-2023

DUPAGE WATER COMMISSION
PWS FACILITY ID# - IL435400
MONTHLY OPERATIONS REPORT
DUPAGE WATER COMMISSION LABORATORY BENCH SHEET RESULTS
MAY 2023

DATE	LEXINGTON P.S. SUPPLY			DUPAGE P.S. DISCHARGE							ANALYST INT.
	FREE Cl2 (mg/L)	TURBIDITY (ntu)	O-PO4 (mg/L)	FREE Cl2 (mg/L)	TURBIDITY (ntu)	TEMP (°F)	pH	Fluoride (mg/L)	O-PO4 (mg/L)	P.A.C. (LBS/MG)	
1	1.27	0.07	0.61	1.28	0.08	51	7.2	0.7	0.57	0	KD
2	1.36	0.07	0.57	1.31	0.08	52	7.4	0.7	0.53	0	RC
3	1.44	0.07	0.56	1.39	0.08	52	7.3	0.7	0.52	0	RC
4	1.32	0.07	0.56	1.30	0.09	52	7.3	0.7	0.59	0	RC
5	1.34	0.06	0.64	1.27	0.08	52	7.2	0.7	0.57	0	RC
6	1.39	0.09	0.59	1.38	0.09	52	7.3	0.8	0.58	0	AM
7	1.36	0.09	0.58	1.39	0.09	51	7.3	0.8	0.59	0	AM
8	1.39	0.06	0.55	1.34	0.09	52	7.3	1.0	0.59	0	RC
9	1.32	0.07	0.55	1.27	0.07	52	7.3	0.9	0.54	0	RC
10	1.41	0.10	0.60	1.34	0.08	52	7.3	1.0	0.59	0	AM
11	1.38	0.09	0.61	1.31	0.09	51	7.3	0.9	0.58	0	AM
12	1.44	0.08	0.59	1.40	0.09	52	7.3	1.0	0.59	0	AM
13	1.32	0.09	0.59	1.38	0.08	52	7.3	1.0	0.60	0	BM
14	1.50	0.07	0.59	1.36	0.08	53	7.3	1.0	0.57	0	BM
15	1.47	0.09	0.60	1.39	0.09	53	7.3	0.9	0.60	0	AM
16	1.43	0.09	0.61	1.37	0.10	53	7.3	1.0	0.58	0	AM
17	1.46	0.10	0.62	1.42	0.10	53	7.3	1.0	0.61	0	BM
18	1.38	0.08	0.60	1.32	0.09	53	7.3	0.9	0.61	0	BM
19	1.47	0.08	0.61	1.46	0.08	53	7.3	0.9	0.62	0	BM
20	1.41	0.09	0.62	1.38	0.08	54	7.3	1.0	0.62	0	BM
21	1.38	0.08	0.63	1.29	0.08	56	7.2	0.9	0.62	0	RC
22	1.25	0.09	0.61	1.24	0.09	55	7.2	0.9	0.61	0	BM
23	1.37	0.07	0.61	1.40	0.06	55	7.2	0.9	0.61	0	BM
24	1.28	0.08	0.62	1.33	0.09	55	7.2	1.0	0.60	0	AM
25	1.39	0.08	0.60	1.41	0.09	55	7.2	1.0	0.59	0	AM
26	1.35	0.09	0.63	1.31	0.10	55	7.3	1.1	0.60	0	AM
27	1.41	0.07	0.60	1.37	0.06	56	7.4	1.0	0.60	0	BM
28	1.45	0.08	0.61	1.48	0.08	56	7.3	1.0	0.60	0	BM
29	1.43	0.09	0.60	1.44	0.09	56	7.3	1.0	0.61	0	AM
30	1.38	0.10	0.62	1.39	0.10	57	7.4	1.0	0.60	0	AM
31	1.39	0.09	0.60	1.37	0.10	57	7.3	1.0	0.60	0	BM

AVG.	1.39	0.08	0.60	1.36	0.09	53	7.3	0.9	0.59	0
MAX.	1.50	0.10	0.64	1.48	0.10	57	7.4	1.1	0.62	0
MIN.	1.25	0.06	0.55	1.24	0.06	51	7.2	0.7	0.52	0

Mike Weed 6/5/23
Mike Weed, Operations Supervisor Date
Illinois ROINC # 186860234

DU PAGE WATER COMMISSION
WATER SALES ANALYSIS

01-May-92 TO 31-May-23

PER DAY AVERAGE 78,050,280

MONTH	SALES TO CUSTOMERS (GALLONS)	PURCHASES FROM CHICAGO (GALLONS)	GALLONS BILLED %	BILLINGS TO CUSTOMERS	BILLINGS FROM CHICAGO	DOCUMENTED COMMISSION WATER USE (2)	DOCUMENTED COMMISSION WATER USE %	TOTAL ACCOUNTED FOR %	DWC OPER. & MAINT. RATE (3)	CHGO RATE
May-20	2,084,924,000	2,141,838,951	97.34%	\$10,362,072.28	\$8,513,809.83	376,100	0.02%	97.36%	\$4.97	\$3.975
Jun-20	2,522,634,000	2,596,146,493	97.17%	\$12,537,490.98	\$10,571,508.52	731,078	0.03%	97.20%	\$4.97	\$4.072
Jul-20	2,782,507,000	2,872,440,835	96.87%	\$13,829,059.79	\$11,696,579.08	647,000	0.02%	96.89%	\$4.97	\$4.072
Aug-20	3,078,522,000	3,180,137,701	96.80%	\$15,300,254.34	\$12,949,520.72	3,694,350	0.12%	96.92%	\$4.97	\$4.072
Sep-20	2,427,570,000	2,510,646,051	96.69%	\$12,065,022.90	\$10,223,350.72	1,148,848	0.05%	96.74%	\$4.97	\$4.072
Oct-20	2,143,671,000	2,203,255,879	97.30%	\$10,654,044.87	\$8,971,657.94	748,000	0.03%	97.33%	\$4.97	\$4.072
Nov-20	1,897,985,000	1,957,960,123	96.94%	\$9,432,985.45	\$7,972,813.62	200,026	0.01%	96.95%	\$4.97	\$4.072
Dec-20	1,955,711,000	2,027,160,874	96.48%	\$9,719,883.67	\$8,254,599.08	348,955	0.02%	96.49%	\$4.97	\$4.072
Jan-21	1,988,344,000	2,040,857,402	97.43%	\$9,882,069.68	\$8,310,371.34	205,828	0.01%	97.44%	\$4.97	\$4.072
Feb-21	1,915,366,000	1,971,858,620	97.14%	\$9,519,369.02	\$8,029,408.30	290,224	0.01%	97.15%	\$4.97	\$4.072
Mar-21	1,986,888,000	2,055,661,022	96.65%	\$9,874,833.36	\$8,370,651.68	512,237	0.02%	96.68%	\$4.97	\$4.072
Apr-21	1,959,759,000	2,010,756,459	97.46%	\$9,740,002.23	\$8,187,800.30	1,013,926	0.05%	97.51%	\$4.97	\$4.072
May-21	2,331,364,000	2,401,447,849	97.08%	\$11,586,879.08	\$9,778,695.64	1,625,835	0.07%	97.15%	\$4.97	\$4.072
Jun-21	2,646,312,000	2,727,518,236	97.02%	\$13,152,170.64	\$11,226,465.06	872,815	0.03%	97.05%	\$4.97	\$4.116
Jul-21	2,661,520,000	2,750,318,994	96.77%	\$13,227,754.40	\$11,320,312.98	772,815	0.03%	96.80%	\$4.97	\$4.116
Aug-21	2,736,795,000	2,818,422,046	97.10%	\$13,601,871.15	\$11,600,625.14	458,555	0.02%	97.12%	\$4.97	\$4.116
Sep-21	2,616,212,000	2,698,022,374	96.97%	\$13,002,573.64	\$11,105,060.09	1,237,080	0.05%	97.01%	\$4.97	\$4.116
Oct-21	2,128,141,000	2,179,013,387	97.67%	\$10,576,860.77	\$8,968,819.10	396,147	0.02%	97.68%	\$4.97	\$4.116
Nov-21	1,896,311,000	1,961,815,221	96.66%	\$9,424,665.67	\$8,074,831.45	462,613	0.02%	96.68%	\$4.97	\$4.116
Dec-21	1,950,793,000	2,010,917,641	97.01%	\$9,695,441.21	\$8,276,937.01	382,031	0.02%	97.03%	\$4.97	\$4.116
Jan-22	2,046,043,000	2,110,214,643	96.96%	\$10,168,833.71	\$8,685,674.26	621,078	0.03%	96.99%	\$4.97	\$4.116
Feb-22	1,879,376,000	1,935,513,559	97.10%	\$9,340,498.72	\$7,966,573.81	247,750	0.01%	97.11%	\$4.97	\$4.116
Mar-22	1,990,472,000	2,061,912,643	96.54%	\$9,892,645.84	\$8,486,832.44	459,838	0.02%	96.56%	\$4.97	\$4.116
Apr-22	1,935,992,000	1,981,414,298	97.71%	\$9,621,880.24	\$8,155,501.25	285,652	0.01%	97.72%	\$4.97	\$4.116
May-22	2,276,513,000	2,344,221,635	97.11%	\$11,792,337.34	\$9,648,816.25	5,698,667	0.24%	97.35%	\$5.18	\$4.116
Jun-22	2,682,480,000	2,772,533,130	96.75%	\$13,895,246.40	\$11,982,888.19	690,925	0.02%	96.78%	\$5.18	\$4.322
Jul-22	2,804,661,000	2,892,532,635	96.96%	\$14,528,143.98	\$12,501,526.05	883,858	0.03%	96.99%	\$5.18	\$4.322
Aug-22	2,688,224,000	2,772,533,130	96.96%	\$13,925,000.32	\$11,982,888.19	906,806	0.03%	96.99%	\$5.18	\$4.322
Sep-22	2,415,535,000	2,474,643,822	97.61%	\$12,512,471.30	\$10,695,410.60	1,021,063	0.04%	97.65%	\$5.18	\$4.322
Oct-22	2,153,410,000	2,220,050,683	97.00%	\$11,154,663.80	\$9,595,059.05	2,891,786	0.13%	97.13%	\$5.18	\$4.322
Nov-22	1,919,552,000	1,979,550,491	96.97%	\$9,943,279.36	\$8,555,617.22	1,008,092	0.05%	97.02%	\$5.18	\$4.322
Dec-22	2,071,113,000	2,123,449,660	97.54%	\$10,728,365.34	\$9,177,549.43	552,389	0.03%	97.56%	\$5.18	\$4.322
Jan-23	2,014,750,000	2,060,255,805	97.79%	\$10,436,405.00	\$8,904,425.59	337,423	0.02%	97.81%	\$5.18	\$4.322
Feb-23	1,835,597,000	1,883,158,917	97.47%	\$9,508,392.46	\$8,139,012.84	529,206	0.03%	97.50%	\$5.18	\$4.322
Mar-23	1,971,974,000	2,026,257,691	97.32%	\$10,214,825.32	\$8,757,453.41	306,690	0.02%	97.34%	\$5.18	\$4.322
Apr-23	1,962,197,000	2,010,451,747	97.60%	\$10,164,180.46	\$8,689,172.45	349,596	0.02%	97.62%	\$5.18	\$4.322
May-23	2,474,377,000	2,540,440,833	97.40%	\$13,336,892.03	\$10,979,785.28	684,441	0.03%	97.43%	\$5.39	\$4.322
TOTALS (1)	886,104,824,798	911,702,316,823	97.19%	\$2,155,727,732.30	\$1,906,411,522.50	862,256,581	0.09%	97.29%	\$2.43	\$2.091

(1) - SINCE MAY 1, 1992

(2) - REPRESENTS DU PAGE PUMP STATION, METER TESTING AND CONSTRUCTION PROJECT USAGE

(3) - DOES NOT INCLUDE FIXED COST PAYMENTS

YTD

May-22	2,276,513,000	2,344,221,635	97.11%	11,792,337	9,648,816				\$5.18	\$4.116
May-23	2,474,377,000	2,540,440,833	97.40%	13,336,892	10,979,785				\$5.39	\$4.322
	197,864,000	196,219,198		\$1,544,555	\$1,330,969					
	8.7%	8.4%		13.1%	13.8%					
Month										
May-22	2,276,513,000	2,344,221,635	97.11%	11,792,337	9,648,816				\$5.18	\$4.116
May-23	2,474,377,000	2,540,440,833	97.40%	13,336,892	10,979,785				\$5.39	\$4.322
	197,864,000	196,219,198		\$1,544,555	\$1,330,969					
	8.7%	8.4%		13.1%	13.8%					
May>Apr	512,180,000	529,989,086		3,172,712	2,290,613					



Resolution #: R-29-23

Account: 01-60-771200

Approvals: *Author / Manager / Finance / Admin*

PDM - - PDM

REQUEST FOR BOARD ACTION

Date: 6/6/2023

Description: Recommendation to approve Financial Advisory contract with Raftelis

Agenda Section: Finance Committee

Originating Department: Administration

The DWC has recently received the Alternative Source Water Study report and presentation from consulting engineering firm, Carollo, Inc. In summary, the study provides cost estimates and routing plans for three route corridor scenarios: a north, central, and south route. The report also provides a general financial evaluation which considers cursory financing methodologies, including forecast interest rates and assumed loan terms. The study also identifies prospective partner water agencies along the north route, as well as the potential for additional customers along existing transmission mains for both the north and central routes. Finally, the report concludes with a recommendation that next steps should include engaging prospective partners to gauge interest, and engagement of a firm to provide a more detailed/refined financial strategy. To this end, DWC staff has met with representatives of the Northwest Suburban Municipal Joint Action Water Agency (NSMJAWA), and the Northwest Water Commission (NWC), and the Carollo study report has been shared with them. Both parties indicated interest in the regional water concept and will be providing additional information to their boards in June.

Regarding the Financial Advisory services, staff has engaged qualified consultants to provide a scope and fee for the desired financial advisory services, specifically the following (detailed scope included in the Task Order):

- Provide a detailed peer review of the Carollo Report, Tech Memo #7
- Prepare a conceptual financing strategy and plan, including assembly and aggregation of financial instruments, sequencing of instruments, and refined prospective interest forecasts.
- Provide an expanded financial analysis of the Carollo reports with prospective partner involvement, including generation of spreadsheets, tables, and charts.

The desired services are unique within the Engineering and Financial Services sectors, however DWC staff did identify two firms that we felt were uniquely qualified for this work based on industry expertise and past experience: Raftelis, Inc., and a team of Burns & McDonnell/Eric Rothstein.

While both firms/teams are qualified, DWC staff found the expertise of Mr. John Masteracchio of Raftelis to be particularly pertinent and impressive, especially the publication of numerous AWWA manuals/publications, and certifications as a Professional Engineer, Series 50 Municipal Advisor, Accredited Appraiser, and Chartered Financial Analyst. Additionally, the Firm of Raftelis, Inc is uniquely positioned as a specialist within the niche Utility Financial Advisory services sector and is regarded as the industry leader in this sector. The SOQ for Raftelis and the curriculum vitae for Mr. Masteracchio are attached hereto. It should also be noted that Raftelis performed the DWC analysis and documentation for the review of Chicago's cost-of-service model; staff feels that utilizing the same firm for the COS review and the Source Water validation study will provide meaningful continuity.

The Task Order includes four tasks, with Tasks 1-3 being well-defined at a cost of \$34,000. Task #4 includes expanded analysis of the costs and anticipated water rates of various routes based on the engagement of additional partners. As discussions continue with prospective partners, it is expected to be beneficial to provide this expanded enhancement, on a time and materials basis. Therefore, staff would request approval of the Task Order #2 including tasks 1-3 at a cost of \$34,000, and the allotment of up to \$16,000 toward task #4 if so directed by staff based on continued engagement with prospective partner agencies, for a total not to exceed cost of \$50,000.

[As a matter of comparison, the proposal by Burns & McDonnell indicated a proposed cost of \$47K for tasks 1-3, and a range of \$15K - \$50K for task 4.]

Recommended Motion:

It is recommended that Resolution R-29-23 authorizing a Financial Advisory Services contract as Task Order #2 under a Master Services Agreement with Raftelis, Inc., be approved in an amount not-to-exceed \$50,000.

DUPAGE WATER COMMISSION

RESOLUTION NO. R-29-23

A RESOLUTION TO APPROVE TASK ORDER #2 UNDER A MASTER SERVICES AGREEMENT WITH RAFTELIS, INC. FOR FINANCIAL ADVISORY SERVICES

WHEREAS, the DuPage Water Commission, (the "Commission") is a county water commission and public corporation under Division 135 of Article 11 of the Illinois Municipal Code, 65 ILCS 5/11-135-1 et seq., and the Water Commission Act of 1985, 70 ILCS 3720/0.01 et seq. (the "Acts") which provides water to various municipal customers;

WHEREAS, the Commission has recently received an Alternative Source Water Report providing a study of alternative means to acquire Lake Michigan water, including indication of route corridors, cost estimates, and forecast rate development;

WHEREAS, the report recommends that the next activities to advance the Source Water project should include engagement with prospective partners and the engagement of a financial advisor to provide refined financial analysis and the development of a financing strategy;

WHEREAS, the Commission has engaged qualified firms to develop a scope for the desired work and found the firm of Raftelis, Inc to be most qualified;

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the DuPage Water Commission as follows:

SECTION ONE: The Board of Commissioners of the DuPage Water Commission hereby approves Task Order #2 under a Master Services Agreement with Raftelis, Inc in an amount not to exceed \$50,000.

SECTION TWO: This Resolution shall be in full force and effect after passage and approval as required by law.

	Aye	Nay	Absent	Abstain
Bouckaert, D.				
Cuzzone, N.				
Fennell, J.				
Healy, J.				
Novotny, D.				
Pruyn, J.				
Rush, K.				
Russo, D.				
Saverino, F.				
Suess, P.				
Van Vooren, D.				
Zay, J.				

ADOPTED THIS ____ DAY OF _____, 2023.

James Zay, Chairman

ATTEST:

Danna Mundall, Clerk

Board/Resolutions/2022/R-29-23.docx

TASK ORDER 2 - SCOPE OF WORK
ALTERNATIVE WATER SUPPLY PROJECT FINANCIAL REVIEW

Under this Task, Consultant shall review Alternative Water Supply Study, Technical Memorandum 7 Unit Cost Development prepared by Carollo dated April 2023 and provide a peer review of the variables, parameters, and conclusions contained in the memorandum. In addition, the Consultant shall provide the DuPage Water Commission (DWC) with a detailed analysis of financing alternatives and next steps for a recommended conceptual sequence of financing for the Alternative Water Supply project. More specifically, the Scope of Work associated with Task Order 2 shall include the following specific subtasks:

1. Peer Review of Technical Memorandum 7
 - a. Review of the key inputs, variables, assumptions, calculations and conclusions contained in the memorandum for reasonableness.
 - b. If any inputs, variables, assumptions, or calculations are recommended by the Consultant to be modified, provide a description of the basis and rationale for the proposed modifications.
 - c. If requested by DWC to modify and rerun the scenarios contained in Technical Memorandum 7, this effort would be covered under Task 4 – Other Financial Support.
 - d. Prepare a written summary of the findings from the peer review.
2. Prepare Conceptual Financing Plan for the Alternative Water Supply Project
 - a. Identify and evaluate viable funding and financing alternatives for the Project, including consideration of debt financing options, such as conventional debt structuring, as well as WIFIA and other potential options.
 - b. Develop a conceptual sequencing of financing for the project considering the alternatives identified above as well as the potential use of DWC cash reserves and current revenues to fund the preliminary phase of the Project including planning and engineering, and right of way costs.
 - c. Provide an update to the financial projections and unit cost analysis contained in Technical Memorandum 7 incorporating the conceptual sequencing of financing for the Project. Specifically, show how the conceptual financing scheme can address the near-term spike where DWC pays for Chicago Water Costs and debt service associated with the Alternative Water Supply concurrently as shown in Technical Memorandum 7.

- d. Provide a list of next steps that would be necessary to advance the financing strategy.
- e. Provide a written summary of the analysis associated with this subtask.

3. Presentation of Results

- a. Prepare and provide a presentation (virtual) to the DWC at a special meeting anticipated to be held in August 2023.

4. Other Financial Support

- a. Modify and rerun the scenarios contained in Technical Memorandum 7 with revised inputs and assumptions, if recommended by Raftelis and requested by DWC.
- b. Prepare a financial analysis similar to the analysis documented in Technical Memorandum 7 under several additional alternative scenarios as follows:
 - i. North Route Alt 1: DWC alone
 - ii. North Route Alt 2: DWC plus Northwest Suburban Municipal Joint Action Water Agency (NSM JAWA), which adds 30 MGD of water sales.
 - iii. North Route Alt 3: DWC plus NSM JAWA and the Northwest Water Commission (NWWC), which adds 60 MGD of water sales.
 - iv. North Route Alt 4: DWC plus NSM JAWA, NWWC, and the Collar Communities, which adds 90 MGD of water sales.
 - v. Central Route Alt 1: DWC alone
 - vi. Central Route Alt 2: DWC plus Collar Communities, which adds 30 MGD of water sales.

For each of the scenarios above, assume that operating costs would proportionally increase with additional water sales. Also assume capital costs would be 20% more than baseline for scenarios with an additional 90 MGD of water sales.

- c. Using inputs and assumptions for one of the scenarios listed above, evaluate an additional scenario that assumes the City of Chicago offers a lower cost-of-service rate to DWC in 2030 or by an earlier date to be assumed.

- d. Provide additional financial consulting support to DWC on an as-requested, as-needed basis.

TASK ORDER 2 - FEE ESTIMATE

Raftelis proposes to complete subtasks 1 through 3 of the Task Order 2 scope of work for a lump sum of \$34,000. Additional support can be provided under Task 4 on a time-and-materials basis in accordance with our standard billing schedule provided below. It is anticipated that the fee for the Task 4 scope of work may be in the \$25,000 to \$35,000 range.

Raftelis 2023 Standard Hourly Billing Rates

Position	Hourly Billing Rate*
Executive Vice President	\$375
Vice President	\$340
Senior Manager	\$295
Manager	\$260
Senior Consultant	\$230
Consultant	\$200
Associate	\$175
Administration	\$95
Technology / Communications Charge**	\$10

*These rates shall be in effect for calendar year 2023 and will then be increased annually by 3% unless specified otherwise by contract.

**Technology / Communications Charge is an hourly fee charged monthly for each hour worked on the project to recover telephone, facsimile, computer, postage/overnight delivery, conference calls, electronic / computer webinars, photocopies, etc.

Helping local governments and utilities thrive

Statement of Qualifications
Prepared for DuPage Water Commission





Diversity and inclusion are an integral part of Raftelis' core values.

We are committed to doing our part to fight prejudice, racism, and discrimination by becoming more informed, disengaging with business partners that do not share this commitment, and encouraging our employees to use their skills to work toward a more just society that has no barriers to opportunity.



Raftelis values giving back to organizations that help to empower disadvantaged people across the world.

The Raftelis Charitable Gift Fund allocates company profits, employee contributions, and donates time to charitable organizations that support this mission by giving back to our local communities, improving access to clean water, and promoting sustainable practices. The organizations that we contribute to include Project Scientist, which promotes diversity in STEM by focusing on inspiring young women to pursue careers in these fields, and local and international charities that focus on the affordability of water and utility services.



Raftelis is registered with the U.S. Securities and Exchange Commission (SEC) and the Municipal Securities Rulemaking Board (MSRB) as a Municipal Advisor.

Registration as a Municipal Advisor is a requirement under the Dodd-Frank Wall Street Reform and Consumer Protection Act. All firms that provide financial forecasts that include assumptions about the size, timing, and terms for possible future debt issues, as well as debt issuance support services for specific proposed bond issues, including bond feasibility studies and coverage forecasts, must be registered with the SEC and MSRB to legally provide financial opinions and advice. Raftelis' registration as a Municipal Advisor means our clients can be confident that Raftelis is fully qualified and capable of providing financial advice related to all aspects of financial planning in compliance with the applicable regulations of the SEC and the MSRB.

WHO IS Raftelis

HELPING LOCAL GOVERNMENTS AND UTILITIES THRIVE

Local government and utility leaders partner with Raftelis to transform their organizations by enhancing performance, planning for the future, identifying top talent, improving their financial condition, and telling their story. We've helped more than 600 organizations in the last year alone. We provide trusted advice, and our experts include former municipal and utility leaders with decades of hands-on experience running successful organizations. People who lead local governments and utilities are innovators—constantly seeking ways to provide better service to the communities that rely on them. Raftelis provides management consulting expertise and insights that help bring about the change that our clients seek.

+ VISIT [RAFTELIS.COM](https://www.raftelis.com) TO LEARN MORE



30 years serving the public sector

How we stack up

OUR TEAM INCLUDES

140+ consultants focused on finance/management/communication/technology for the public sector

2 chairs & **16** members of AWWA and WEF utility finance and management committees and subcommittees

& a Past President of AWWA

RAFTELIS HAS PROVIDED ASSISTANCE FOR

1,200+ public agencies and utilities

that serve more than

25% of the U.S. population

including the agencies serving

38 of the nation's 50 largest cities

in the past year alone, we worked on

1,000+ projects for **600+** agencies in **46** states



Leading the industry

Raftelis staff shape industry standards for water and wastewater utility finance and management through our active leadership in AWWA, WEF, EPA, and SESWA. Leadership positions for these organizations include:

AWWA

- Past President
- Asset Management Committee - 1 member
- Finance, Accounting, and Management Controls Committee - 2 members
- Public Affairs Council - 1 member
- Rates and Charges Committee - 4 members
- Strategic Management Practices Committee - Chair

WEF

- Finance and Administration Subcommittee - Chair
- Government Affairs Committee - 1 member
- Technical Practices Committee - 1 member
- Utility Management Committee - 5 members
- WEFTEC Conference Planning Committee - 1 member

EPA

- Environment Financial Advisory Board - 1 member

Southeast Stormwater Association (SESWA)

- President



We wrote the book

Raftelis staff have co-authored many of the industry's leading guidebooks regarding water and wastewater financial and management issues, including:

- Affordability of Wastewater Service (WEF)
- Manual of Practice No. 27, Financing and Charges for Wastewater Systems (WEF)
- Manual M1, Principles of Water Rates, Fees and Charges (AWWA)
- Manual M5, Water Utility Management (AWWA)
- The Effective Water Professional (WEF)
- Water and Wastewater Finance and Pricing: The Changing Landscape
- Water and Wastewater Rate Survey (conducted and published in collaboration with AWWA)
- INSIGHT database and survey (conducted in collaboration with AMWA)
- Water Rates, Fees, and the Legal Environment (AWWA)

How We Can Help

Raftelis focuses on the people that make local governments and utilities successful, ensuring that those that lead these organizations in the areas of finance, management, communication, and technology have a trusted partner to help them achieve results. Look to us for financial and strategic planning, performance measurement, executive search and recruitment, rate studies and cost of service analysis, communications and stakeholder engagement, data and economic analytics, and more.



Finance

Utilities and public-sector agencies all share a common requirement – to provide critical services on which their communities rely. At the core of providing these services is maintaining revenues that support sustainable operations and long-term planning.

Raftelis collaborates with organizations to identify the financial policies, business processes, and customer rates and charges that promote financial integrity and the equitable recovery of costs to achieve the objectives of the organization and community.

Rate, Charge, and Fee Studies

Rates and fees for utility and local government services are set to provide the revenue needed to recover costs. Our expertly designed rates can also help accomplish your strategic objectives while maintaining equity among all customers. Our experience comes from the thousands of water, wastewater, stormwater, electric, gas, and solid waste rate studies and other types of fee studies that we've conducted for utilities and local governments across the country, using a variety of traditional and innovative rate structures to help you meet your specific goals.

Identification of Pricing Objectives

Raftelis works with you to develop pricing objectives that deliver the rate structure that best meets your strategic and operational goals. These objectives range from promoting water conservation to addressing affordability concerns to promoting economic development and more.

Customized Rate/Fee Structures

We have developed thousands of customized rate structures and fees to meet the specific needs and goals of our clients and their stakeholders. There is no one-size-fits-all solution, and we use our experience to help you determine the optimal rate structure for your agency.

Development of a Comprehensive Financial Plan

Utility rates and municipal fees are set based on revenue requirements and the number of accounts from which these costs must be recovered. We have a proven, data-driven method of forecasting costs and customer data to inform the rate-setting process. We work with you to execute this within a comprehensive, reliable, and flexible financial plan. Our financial plans forecast system operations and maintenance (O&M) costs, capital needs, and customer use, and monitor your overall financial performance.



Model Development and Rate/Fee Alternatives

Developing utility rates and municipal fees requires sophisticated models to project your organization's revenue requirements and customer data, allocate costs appropriately, and allow for the evaluation of multiple rate structure alternatives. We develop customized, non-proprietary financial models that are user-friendly and flexible so you can use them for future financial planning and rate setting.

Gaining Buy-in and Adoption

Your rate or fee structure must be approved by your governing body, so we don't just design a sound rate, we bring you communication and outreach experts to help you build understanding and support for new rates and fees. We help you "show not tell" and demonstrate the true value of the services and the comprehensive analysis behind our recommended rates, to ensure broad stakeholder buy-in and adoption.

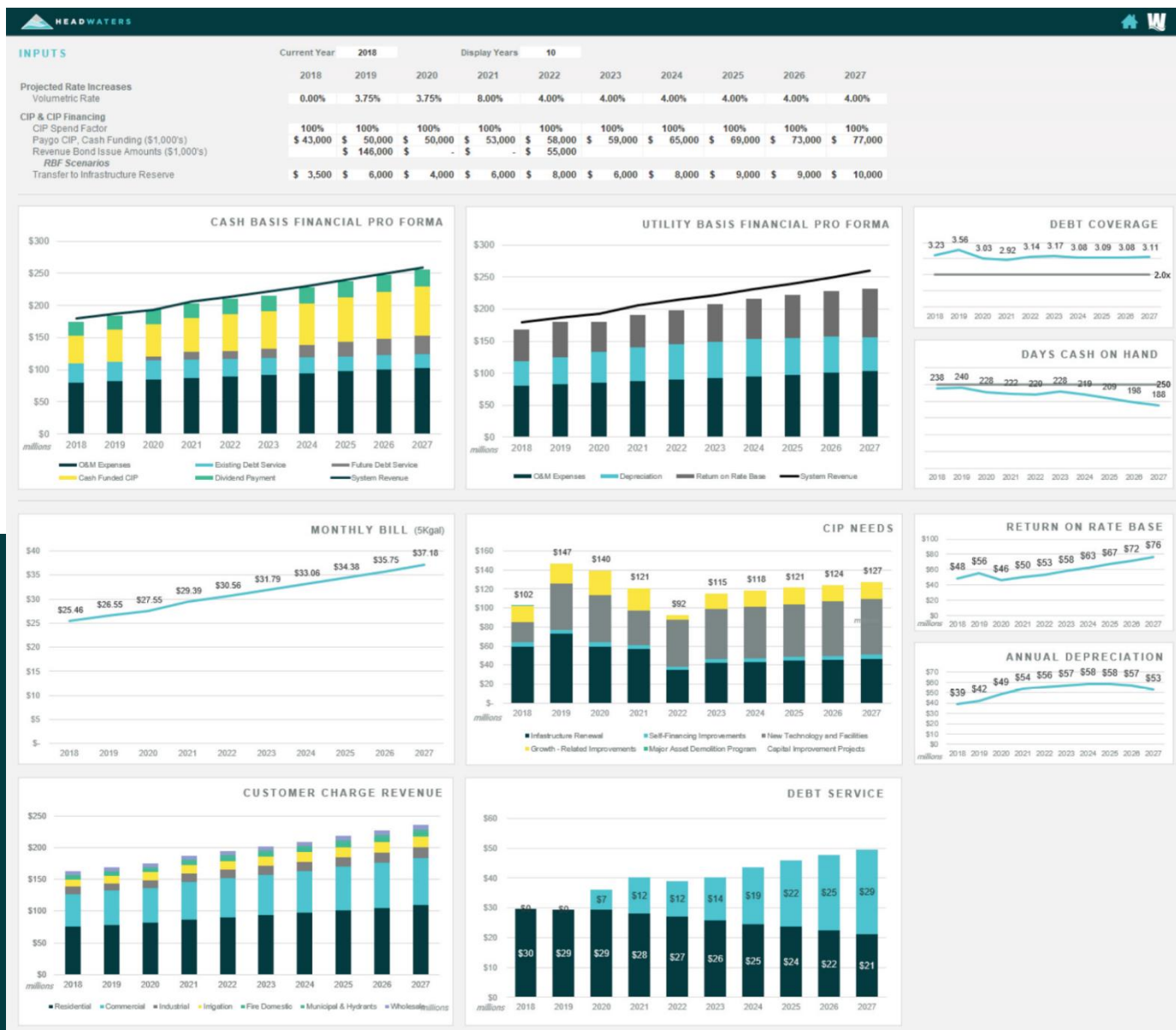
Additional Rate, Charge, and Fee Services

We provide a variety of related rate, charge, and fee consulting services, including:

- Capacity, system development, and impact fees
- Rate case support
- Dispute resolution and litigation support related to rates and fees
- Wholesale service rates
- High-strength and industrial wastewater surcharges
- Outside-city rate differentials
- Late payment, penalty, account activation, and other customer service-related charges
- Administrative procedures and on-going implementation of rates/fees

Raftelis develops customized financial models that incorporate a dashboard to allow you to easily run scenarios and see the impacts in real time.

Shown below is a sample dashboard that we developed for another project.



Financial and Capital Planning

The need for critical infrastructure improvements continues to grow. Local governments and utilities have limited funds, and investments must be made to support growth, regulatory compliance, and capital renewal. We work with you to develop comprehensive, reliable, and flexible financial plans that forecast your operations and maintenance (O&M) costs, determine how necessary capital improvements will be financed, project customer account and usage information, and monitor the overall financial performance and health of the organization. We also develop capital planning strategies and tactics that manage risk and ensure you have the appropriate resources to meet your organization's needs.

Managing Capital Spending

A key component of sound financial planning is careful management of capital spending. Whether your capital improvement program is driven by rehabilitation and replacement, or meeting a regulatory requirement, Raftelis has the industry experience and tools to help prioritize, schedule and identify funding for these projects. We offer robust capital financing planning models that enable scenario-based analysis, allowing you to quickly adjust funding options, easily vary cash and debt funding levels, and then see their impact on revenue requirements.

Understanding and Predicting Customer Behavior

Hundreds of water agencies across the country are facing water supply shortfalls and must consider rate structures that promote conservation with clear price signals. These challenges require agencies to really understand their customers and their current behaviors, as well as how to anticipate their future behavior. Our team of strategic communication and engagement experts offer decades of experience and specialized skills to help you design and execute a communications and outreach program that complements conservation-based rate structures to help you get the behavioral results you need.

Tools for Planning and Communicating

A successful financial plan is one that is clear, actionable, and shared beyond the chief financial officer to internal and external stakeholders. We develop custom financial planning models that are built around your organization's specific needs and use defensible and proven methods with the latest technology and graphic visualizations.

We develop custom financial planning models that are built around your organization's specific needs and use defensible and proven methods with the latest technology and graphic visualizations.

Defensible Prioritization

Making choices about which capital investments to make and when to make them is difficult and often politically charged. Every organization needs a defensible system to share with stakeholders that clearly explains capital prioritization methods. Using stakeholder-supported and easy-to-understand rationale, we work with local governments and utilities to implement a system that stakeholders understand and embrace.

An Implementation Focus

Even the best capital planning techniques are useless if they are not effectively implemented. We link the technical elements of capital planning with organizational changes and an engagement strategy to help you implement your capital plan. Using a defensible prioritization processes, new technologies, and asset management concepts like reliability-centered maintenance, we will help you implement streamlined practices that maximize your limited resources.

Cost of Service and Cost Allocation

A cost-of-service study is the essential first step of determining whether rates charged for service are equitable because it determines what cost differences, if any, exist between serving various customer classes of service.

Cost-of-service Study

To ensure appropriate recovery of costs from different customer classes, we review existing customer classifications to ensure proportionality. We consider historical customer class usage and peaking characteristics, along with emerging demographic and water demand trends, to determine the cost of service for each customer class. We employ methodologies and standards endorsed by the American Water Works Association (AWWA), Water Environment Federation (WEF), and the National Association of Regulatory Utility Commissioners (NARUC) to allocate costs that are robust enough to withstand scrutiny under regulated rate cases and interjurisdictional disputes.

Customer Assistance Programs

Over the last decade, customers' water, wastewater, energy, and solid waste bills have increased significantly and consistently, outpacing the consumer price index (CPI). There are several drivers for these increases, including: need for infrastructure repair, replacement, and expansion and the lack of federal grant funding; lack of necessary rate increases in the past; cost of building resiliency and responding to increasing severe weather events; and the need for investments driven by regulation.

These challenges have forced utilities to increase rates by larger amounts and more frequently, leaving many customers struggling to pay their bill and utilities wrestling with their own long-term financial sustainability. As the focus on water affordability intensifies, utilities are looking for solutions for their customers while they continue to provide utility services that meet customer expectations while and maintaining financial sustainability.

In response to concerns about affordability, many utilities are seeking to enhance customer assistance programs, provide funding to customers to make utility bills more affordable, or build affordability measures directly into their rate structures. Reaching vulnerable customers and implementing effective programs requires a multi-faceted approach. Raftelis helps to develop and implement the following types of customer assistance programs that meet the needs of a utility's customers:

- **Customized affordability programs** can be developed for a utility's specific situation and customer base
- **Conservation assistance** such as water audits performed for high usage customers, fixes to fixtures and leaks, or loans to assist with repairs
- **Senior citizen discounts** for older customers at or below a minimum income level so they receive a discount on utility charges
- **Payment agreements** for customers with an overdue account balance can be offered payment agreements to avoid shutoff of services
- **Matching grants** can provide periodic funding to low-income customers to lower debt and reduce ongoing monthly bills
- **Emergency assistance** is a one-time assistance payment to help customers in times of financial emergencies
- **Debt forgiveness** can conditionally forgive all or a portion of past debt based on good payment history
- **Affordability-friendly rate structures** can enhance the utility's affordability message through variable charges that allow customers to reduce their bill through modifying how they use the service

Utility Rate and Fee Affordability Analysis

Access to clean water and sanitation services is one of the most basic needs to ensure the health of any community. Costs to provide these services have steadily increased with aging infrastructure, increasing regulation, and the need for system reinvestment. When rates consistently increase at a pace that sometimes exceeds inflation and wage growth, affordability becomes a key concern. We can help you address affordability with effective solutions and the right communication to stakeholders to make the program successful.

Defining What is Affordable

Affordability is commonly defined as the ability of individual customers to pay for services that are adequate to meet their basic needs, while maintaining the ability to pay for other essential costs. The key is that affordability must be evaluated at the individual customer level. Using the percent of median household income proxy to measure affordability has its shortcomings. Several other metrics have emerged that focus on individual customers, account for essential non-utility costs, and concentrate on low-income customers, utilities' most financially vulnerable customers. Raftelis understands the importance of selecting appropriate metrics for measuring affordability and for setting program-level policies. We are at the forefront of efforts to define and assess affordability and are working with utility industry leaders to develop new metrics to help utilities develop effective programs to meet their customers' household affordability challenges. We use industry-leading techniques that combine unique customer billing data with census block-level demographic information to create a comprehensive evaluation of the local affordability conditions that can be used for negotiation with regulators, assistance program development, and utility management decision making.

Identifying Who is at Risk

The first step in assessing customer affordability is to fully understand the demographics and consumption characteristics of your customers. We do this by analyzing various data sets, such as census information and billing data, with the ultimate objective of identifying "at-risk" customer groups. Through this analysis, we are able to identify household income characteristics; consumption geocoded to address and by census tract; and, ultimately, we know who your "at-risk" customers are.

Solutions that Fit Your Needs

We can help you develop and implement an affordability program that addresses the critical needs within your community, while minimizing any administrative and cost impacts. We conduct a financial capability assessment at the utility level, so you can assess your ability to address growing needs for capital investment. There are a number of ways to ensure customer affordability, including implementing bill assistance programs, water efficiency programs, or by incorporating affordability programs directly into your rate structure.



Mitigating Impacts to the Utility

When considering affordability programs, it's important to understand the impact proposed programs can have on your overall performance. We can help you quantify these impacts to ensure you aren't taking on more than you can handle.

Water and Wastewater Utility Valuation

Raftelis provides a wide range of valuation services to meet the needs of all types of buyers and sellers in the water and wastewater utility marketplace. Raftelis' extensive experience and leadership in the water and wastewater utility industry gives us a key advantage over other specialists and appraisers, and our objectivity and consistency in approach provides confidence in the reliability and objective nature of our results.

Raftelis staff holds a unique set of experience, skills, and education vital to utility appraisal. Our staff possess the following credentials: Certified Valuation Analyst (CVA), Certified Public Accountant (CPA), Chartered Financial Analyst (CFA), and Registered Professional Engineer (PE) and we also have relationships with Certified Business Appraisers (CBA).

Raftelis' extensive experience and leadership in the water and wastewater utility industry gives us a key advantage over other specialists and appraisers, and our objectivity and consistency in approach provides confidence in the reliability and objective nature of our results.

Raftelis has assisted public and private entities throughout the United States with utility valuation and has completed numerous utility valuation assignments. The majority of these engagements include an assessment of the fair market value of the subject asset(s) and financial feasibility analyses to estimate customer rate and long-term economic impacts associated with acquisition or divestiture of utility assets.

Certified Valuation and Appraisal

Raftelis uses standard valuation approaches to form our fair market value appraisal opinions or other standard of value to be considered. This service can involve more detailed, formal appraisals consistent with the National Association of Valuators and Analysts (NACVA) Professional Standards, the Uniform Standards of Professional Appraisal Practice (USPAP) and American Institute of Certified Public Accountant (AICPA) standards (conclusion of value) or high-level, preliminary valuation analyses (calculated value). The subject of the appraisals can include physical infrastructure assets, appraisals of utility business as a going concern, or valuation of "intangible" utility assets, such as water rights or capacity rights in a system.

Investment Value (Feasibility) Analysis

In this type of analysis, Raftelis determines the value of a set of utility assets to specific buyers or sellers. These analyses often include the feasibility of buying a utility at a range of purchase prices. "Value" in this sense is typically defined by the client and can include the consideration of potential loss/gain in revenues, ability to pay for a system, and specific rate impacts on customers.

Regionalization and Consolidation

In some instances, utilities may desire to combine the ownership and management of utility assets to take advantage of economies of scale through regionalization or consolidation. Raftelis provides regionalization/consolidation services including: utility appraisal, consolidation financial feasibility, operations and management assessments,



stakeholder engagement and communications strategy and implementation, rate impact analysis, and transaction support.

Budget Development

Raftelis provides a wide variety of services to help local governments and utilities manage their operating and capital improvement plan budget development processes. Ultimately, a local government or utility's budget reflects policy goals, community or customer priorities, and daily service delivery requirements. Raftelis applies an approach that takes each of these important factors into account.

To do this we engage with the public, governing bodies, and organizational leadership teams to define policy goals and priorities for the budget process. We employ a variety of techniques, which can include facilitated community engagement sessions, focus groups, web-based public engagement, and one-on-one interviews to define policy and budget frameworks.

We then work closely with local government or utility staff to support the internal budget development process. We help frame and execute the budget development calendar and provide you with enhanced analytical capacity to help define the implications of budgeting decisions within the policy framework and community and customer service level expectations. We then help our clients manage the public engagement and communication process to validate budget priorities and generate support for organizational initiatives and, just as importantly, to prioritize these efforts within the context of available resources.

Financial Condition Assessments

Raftelis has extensive experience helping local governments and utilities assess their short-term and long-term financial condition and prioritize the revenue, expense, and operational changes necessary to ensure financial and operational sustainability.

We apply detailed and customized financial modeling and econometric techniques to project financial condition based on known factors and available data, such as collective bargaining agreements, community and economic development trends, population dynamics, and applicable historical financial trends.

These projections assume continuation of present and obligated levels of operations and current revenue patterns and identify how the trends could change based on potential environmental and operational factors. In addition, our model dashboards give an immediate and interactive depiction of various scenarios and decisions your organization may face and provides improved clarity in a simple and unified picture that everyone can see. Our process provides you with the ability to make decisions with better perspective and to tell the story of your financial condition under various service level scenarios.

Debt Issuance Support

Many local governments and utilities are leveraging their available funds by issuing tax-exempt revenue bonds and other types of debt financing to fund needed capital investment including repair and replacement of aging infrastructure and the addition of new assets. These funding sources are often a better alternative than using rates and can dramatically decrease the rate volatility that often accompanies pay-as-you-go funding. However, to fully realize the benefits of debt financing, your agency must take steps to reduce the cost of borrowing.

Providing Investor Confidence

We prepare a financial feasibility report for the official statement clients need to help market and sell bonds. This report helps demonstrate to potential investors and rating agencies the relatively low level of risk associated with your borrowing, thereby reducing your cost of borrowing. Rating agencies, investors, and underwriters are familiar with Raftelis reports, and that provides them with confidence.

Understanding the Impacts

We can explain how different financing options will impact customer rates. This will help you better communicate with your customers and governing body to build their understanding and support for revenue needs.

We Are a Registered Municipal Advisor

We are registered with the U.S. Securities Exchange Commission (SEC) and the Municipal Securities Rulemaking Board (MSRB) as a Municipal Advisor. As a municipal advisor we have a fiduciary responsibility to the issuer. As registered municipal advisors we must always act in the best interests of the issuer, and we possess the expertise needed to execute a deal.

Economic Feasibility and Analysis

Utilities and local governments use economic feasibility studies and analysis to determine the net benefit of a proposed project. It can be difficult to know if that \$10 million infrastructure investment to provide service to a new service area is a wise decision, or whether you should expand current facilities instead of increasing wholesale water purchases from an adjacent utility. Raftelis develops economic models that provide local government and utility managers with the data needed to make informed decisions about the best use of resources. Our analysis provides visibility into the future cost-benefit of any opportunity with the ability to measure outcome sensitivity based on changing input parameters.



Organization

Local governments and utilities face an evolving array of challenges. Demands from residents, customers, and other stakeholders are also evolving and increasing and addressing these challenges requires having the right plans, people and processes. Our management consulting services support this need with strategic planning, executive search and organizational assessment and optimization. Functioning better, more efficiently, and more effectively takes vision, direction, values, goals, and commitment from every employee at every level. We help evaluate your current operations, analyze your use of best practices, and make recommendations for improving your organization's performance.

Organizational and Operational Assessments

The people who rely on your organization want responsive, high-performing public services, without substantial increases to costs. Producing value for each dollar spent is imperative. Raftelis helps local governments and utilities to structure, assess, and optimize their organizational resources to meet the expectations of residents, businesses, and customers. We evaluate and maximize operations at every level of an organization, from a single department to the organization as a whole.

Organized and Optimized

Local governments and utilities that are optimally staffed and structured are best positioned to provide high-quality, cost-effective services. There are many proven models for providing public services—from traditional municipal structures to public-private partnerships. There is an equally diverse number of management and governance approaches. We work collaboratively with local governments and utilities to sort through the options and identify the right changes for each organization's unique context.

Assessing the Situation

To understand your organization's needs, it's helpful to have an outside perspective. Raftelis' team of former city, county, and utility managers; department directors; and subject matter experts engage with local governments and utilities to learn what makes them different and understand their culture and people, and their operational challenges. Our team examines available resources and productivity measures, to help you determine how best to meet service level expectations. We learn a lot about your organization through this process, and so will you. We can then leverage these opportunities and strengths to enhance organizational performance.

Making Recommendations a Reality

You need the buy-in of residents, customers, employees, and other stakeholders as you adopt new approaches and begin new initiatives, and how you consult and communicate with them is critical. Raftelis can bring an array of effective approaches to engage your stakeholders to enhance relationships that will improve your organization.

Our actionable recommendations are developed based on priority, cost benefit, and ease of implementation. In addition, methods for implementation are suggested, with consideration for change management practices and operating environment limitations (laws, unions, budgets, service levels, etc.). We then work with you to manage the implementation of these recommendations and to track progress toward making them a reality.

Stormwater Utility Development and Implementation Support

Raftelis has extensive experience and expertise in the development and implementation of utility and municipal service programs, ranging from setting up a stormwater or solid waste utility to affordability programs. We have completed a wide range of analytical and evaluative projects, including policy development, process development, data management, and public stakeholder process implementation. We can help you meet and exceed expectations for organizational and operations optimization, and plan and implement effective management strategies to ensure long-term success of your programs.

Stormwater Utility Development

Whether spurred by regulatory requirements or local concerns many local governments are faced with growing stormwater infrastructure maintenance and rehabilitation needs and meeting increasingly stringent water quality requirements. Raftelis can help municipalities and management districts develop stable funding strategies to serve customers over the long term. Our services range from setting up new utilities and fees to modifying existing rate structures accounting for stormwater cost drivers to assisting local governments with integrating bond funding into long-term plans and bond sales.

Raftelis helps municipalities and management districts develop funding approaches that are tailored to local stormwater needs. Whether you are just starting to differentiate stormwater service delivery from street maintenance or water/wastewater or you have a well-established stormwater program and are aiming to improve service delivery, fee structures, or customer service, Raftelis can help evaluate alternative policies, benchmark stormwater programs and policies, document and improve business processes, and develop and implement new programs.

Raftelis has repeatedly and successfully implemented stormwater fees for large and small local governments, with a variety of billing methods in communities with different concerns, varying data quality, and differing goals for funding structures and incentives. One of Raftelis' particular strengths is in developing processes and software that enable stormwater billing on legacy utility and tax billing systems.

We also work with local government counsel on the development of ordinances that authorize or update existing stormwater utility policies.

Click [here](#) to view our brochure on stormwater development and support.

Program Implementation and Support

An important aspect of program development is defining exactly which historic and future activities are included in a particular program. For some of these programs, and stormwater in particular, services are provided in a distributed manner by different departments, unlike most other government activities, such as transportation or fire protection. For these and other challenges, such as determining appropriate levels of service for non-metered services from solid waste to stormwater, Raftelis has used a variety of approaches to help clients define these services for estimating costs and new utility development.

Raftelis also assists with regulatory compliance by supporting client interaction with regulators, developing permit-based programs and activity timelines, and performing compliance activities such as public involvement and outreach.

Raftelis also specializes in assisting with customer and public relations during utility development, implementation, and post-go live periods with our expertise in public outreach, stakeholder facilitation, and customer service provision.

Performance Measurement

Local governments and utilities used to be the silent servants, providing effective and vital services while keeping a low profile. Today, things are different. Stakeholders want to hear what you're doing and how effective you are at doing it. They want to see they're getting good value for their money and that you're providing the services that they want. Raftelis can help provide the tools to showcase your organization's accomplishments and highlight opportunities to achieve even greater success.

Metrics and Beyond

Raftelis works with hundreds of local governments and utilities throughout North America and helps write the professional guidance on performance management for use by benchmarking organizations. In addition to our local government work, we conduct and develop leading surveys that provide key benchmarking data for utilities across the country, like the American Water Works Association (AWWA)/Raftelis *Water and Wastewater Rate Survey* and the Association of Metropolitan Water Agencies' (AMWA) *Insight* utility financial information database.

We can show you how your practices and metrics compare to both neighboring organizations and national benchmarks. The information can provide helpful context as we work with you to develop metrics that are both meaningful and relevant to your specific organizational needs. As a result of this collaborative process, your organization will understand its strengths and where its greatest opportunities to enhance performance lie, as well as the practices that others employ to succeed.

Metrics only go so far, though. We can then help you develop enhanced practices and set appropriate goals and metrics, based on your organization's unique context. You will know where you are now, where you want to be, and the practices that will move you in the right direction.



We Have the Right Tools

We were involved in drafting much of the leading guidance on management and financial topics for local governments and utilities, and our solutions incorporate the latest information available. We combine the best elements of frameworks such as the American Public Works Association's (APWA) Self-Assessment and Effective Utility Management (EUM) with recognized approaches from the business world, like Lean Six Sigma and those of the American Society for Quality (ASQ).

Raftelis develops applications to help you measure and compare your performance. These tools provide a way to track progress toward meeting performance goals and to ensure you stay on track.

Performance on Display

Why hide the good things that you're doing for the people you serve? Show your progress to gain the trust and support needed to tackle your toughest challenges. Raftelis can help you communicate effectively with residents, governing bodies, customers, and other stakeholders through a variety of engagement strategies and tools.

Staffing Analysis

Your employees are core to your service delivery. Ensuring that you have the right staffing resources needed to meet service level expectations is essential. A staffing analysis can help determine how best to allocate the resources you have or adjust service levels to realistically reflect staffing capacity. Our process analyzes the organizational structure, staffing, workload, resources, contracting opportunities, and the use of technology within the various levels of the organization.

Raftelis uses an organization-wide approach that examines the environment, the leadership, the people, and the dynamics. We also evaluate the human resource function, which is so critical to helping an organization retain and train employees. Our consultants have supported the success of many local governments and utilities by proposing a staffing plan and guiding them through its implementation.

A staffing analysis can help answer whether you have the right skillsets in the right places to meet expectations.

Organizational Climate and Culture

Local government and utility leaders are always looking to improve the services they provide to the community that relies on them. Understanding how your employees experience working for the organization is the first step in ensuring the employee experience aligns with your stated organizational values.

Knowing where you are and what you have set up to achieve means you know the gap you need to close to ensure organizational alignment. Changes in leadership, structure, services, and external factors can all lead to an organizational climate and culture that feels out of alignment with what you must accomplish. Culture is always evolving, whether it's intentional or not. We can help you understand how you're your workforce experiences the organizational culture and provide the context to chart a path toward the intended outcome.

Asset Management and Operations

Asset management is the process of evaluating asset condition and developing effective capital investment and maintenance plans that maximize the useful life of public infrastructure assets. Many industry professional associations, such as the American Public Works Association (APWA) and the International Facility Management

Association (IFMA) have defined detailed criteria for effective asset management. As a matter of practice, Raftelis draws upon these best practice frameworks to define improvement opportunities. However, it is first important to fully understand how the ongoing work of the organization aligns with sound asset management practices.

Depending on the size of your organization, you'll invest millions of dollars—even hundreds of millions of dollars—to manage the infrastructure and assets that your residents and customers rely on every day. Making strategic decisions about the assets you manage—transportation, water, wastewater, electricity—is big business and can often be difficult to get objective advice on. That's where Raftelis focuses. As a firm that supports local governments and utilities in how they finance their assets, we can take the assessed condition and performance of your core assets and help you make sound decisions around their future repair and replacement.

Our asset management and financial experts identify all revenues and costs associated with capital assets and integrate your financial, technical, and budgetary planning. This results in cost-effective decisions that help manage assets to be sustainable, minimizing their total lifecycle costs.

Regional Collaboration and Service Sharing

Local governments, utilities, and special districts are constantly scrutinizing their activities, keeping staffing lean, and looking for efficiencies while still addressing evolving demands for better and more affordable services. While this focus on continuous improvement has become the way to do business, local governments and utilities are also looking externally for opportunities. Neighboring public agencies are doing the same thing, and by sharing knowledge the result can be improved services. Opportunities range from joint contracting, resource sharing, and partnering on projects to more comprehensive regionalization and service sharing.

Raftelis specializes in developing regional collaboration and shared service arrangements. If you are considering a new approach, having a partner onboard that has done this effectively can help you navigate the barriers to arrive at solutions like:

- **Joint Contracting:** Working with another entity to achieve greater economies of scale and lower unit and administrative costs are obvious advantages to working together. In some cases, bigger projects can also draw more interest from contractors. Joint contracting for paving, building maintenance services, and fleet activities are common areas of focus.
- **Service Sharing:** Efficiency can be achieved, and identity preserved through contracting and service sharing. Whether its crossing jurisdictional boundaries to contract for fleet maintenance or contracting with a county sheriff or police agency to provide local policing, we can identify opportunities, costs, and benefits to making collaborative service sharing work at the local level.
- **Resource Sharing:** Public agencies often need temporary or part-time resources, or an expensive piece of equipment for certain projects. Existing resources may also have extra capacity. Sharing these resources saves money and improves services.
- **Project Partnering:** Perhaps multiple agencies will be working in the same street in back-to-back years. By partnering on a project there are opportunities to minimize disruption and get better pricing.
- **Regionalization and Consolidation:** Sometimes working in a consolidated or regionalized manner makes the most sense for the people that rely on the agency for service. Agencies have opportunities to combine part or entire organizations to provide better and more cost-effective services.



Technology

Local governments and utilities are embracing technology as a means to better connect with their residents, customers, and stakeholders to make informed, data-driven decisions, and improve their performance. We help plan information technology improvements, gather the best information available from data and systems, improve information processes, and build custom tools to increase your effectiveness across your organization.

Billing, Permitting, and Customer Information Audits

Sometimes staff lose confidence in the numbers being reported from key information systems. We can help you confirm the source of data management or reporting errors that may be casting doubts across your operations and improve your processes to provide more accurate data in the future.

Forensic Data Analysis

We analyze customer, financial, and regulatory systems using forensic data analysis concepts to identify opportunities for data cleansing, process improvements, and system upgrades that can restore confidence in your organization's information. We have successfully identified system configuration errors that generated millions of dollars in annual losses; we have uncovered behaviors by temporary staff that prevented collections enforcement; and we have identified billable customers that were not receiving bills for service. We work to pair audit findings with recommendations that can be rapidly implemented to prevent further financial losses.

Accurate Reporting

In many cases, doubts relating to information originating from key local government and utility systems are not caused by the source data, but rather by the reporting mechanisms employed to extract the information. We can review reporting logic in a variety of programming languages and systems to ensure that report results are accurate and reflect the needs of your decision makers. We can rewrite reporting logic for metrics as simple as the number of billable accounts, to complex financial reports used to support bond purchases or regulatory requirements. We have also created data warehouses to support performance metrics and reporting needs that are not supported by an organization's standard information systems. We help restore staff confidence by providing objective analysis of your key reports and information systems.

Business Process Development

Local governments and utilities invest significantly in technology, but sometimes it is difficult to put the technology that you have available to its best use. We help you take a step back and assess how effectively you are employing your information resources and if there are more efficient paths leading to the same or improved results. Our team can help improve communication between teams and develop transparent procedures for achieving business goals. We can teach staff how to better use their tools and provide targeted support that combines technical knowledge with subject matter expertise.

Process Mapping

A great deal of value can be uncovered by mapping current business processes as they exist within your organization and comparing these processes to industry best practices. Process maps can uncover minor disconnects in communication or understanding that may result in lost time or revenue. We have worked

closely with local government and utility staff at all levels to understand how jobs are performed on a daily and annual basis. By interviewing staff and understanding their needs and challenges, we can suggest holistic modifications to processes to improve individual and organizational effectiveness.

Data Management, Analytics, and Visualization

Local governments and utilities collect a vast array of information about their customers and finances, but sometimes struggle to put that data to work. Our team helps you ask and answer critical operational questions using the data that you already have.

Understanding Through Data

We understand how to translate plain language questions into analytics that can be gathered and put to use in planning where your organization is headed. Our team speaks the language of dozens of customer and financial systems and can assist with making key quantitative business metrics available for decision making. Access the data that you already have and combine it with other available data sources to learn the most about where you stand.



Data Visualization

To create a more compelling message, your data can be presented visually so that it's understood by audiences ranging from executives to customers to technical staff. Your data can be combined with geographic data to create maps to highlight high or low water consumption; or areas that could benefit from increased outreach on affordability, or places that have long-standing work order requests that are interrupting billing. Beyond mapping, our staff can provide visualizations of customer and financial data to show trends over time to help you project future needs. Visualizations can help you reach a broader audience and enable communication of complex information in a concise medium.

Performance Measurement and Dashboarding

Local governments and utilities are all about continuous improvement, but to improve you must be able to measure and track performance. Raftelis helps these organizations establish performance measures and develops web-based performance-management dashboards to track performance metrics. Often used in conjunction with a strategic plan, these dashboards can focus on goal areas supported by dozens of key metrics.

Raftelis gathers requirements on the dashboard from local government or utility staff, develops and demonstrates a prototype, and then fully develops and deploys the dashboard. The performance dashboard displays the metrics with reference to individual targets, and color codes them according to how close to target the current metric is. Metric observations are stored in time series and historical information can be viewed for

each metric. These dashboards can be used internally and externally to help an organization stay on track with strategic goals by visually identifying areas where improvement is needed.

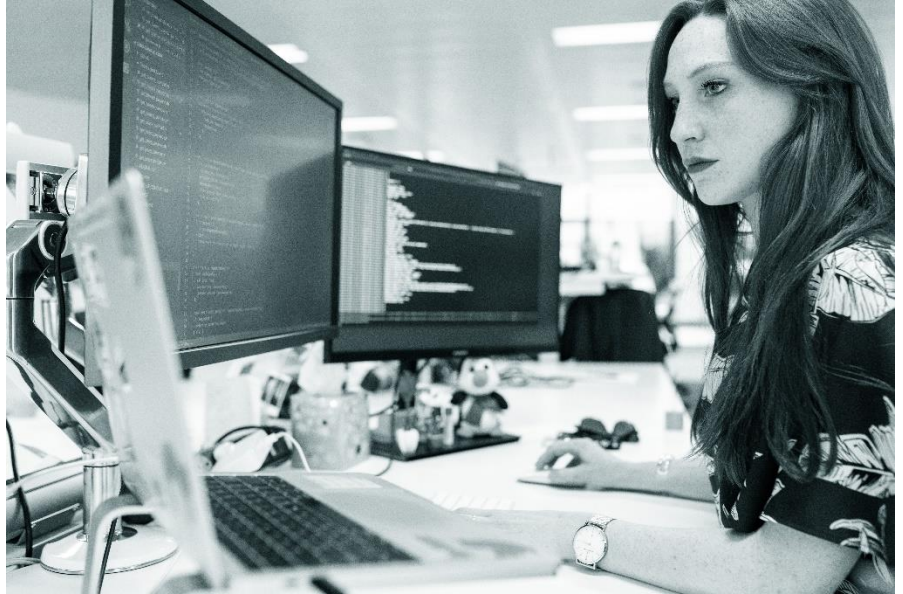
Software Solutions

Custom software empowers you to interact with your data and customers in a more accessible way. Our application development staff has designed and implemented customer service, billing, GIS, financial, performance, and other applications across web, mobile, and desktop platforms to help support a variety of business objectives.

Tools of the Trade

Custom software helps users do their work more efficiently, have greater access to the data that matter to them, and communicate more clearly with stakeholders. We combine in-depth knowledge of utilities, local governments, and finance with strong technology skills to provide a tailored solution to meet your needs.

We have successfully implemented software solutions for local governments and utilities using methods that limit risk and ensure the final product blends the desired functionality with ease-of-use. Our products are used to bill millions of dollars of utility charges and fees annually, process thousands of affordability program applications, and communicate performance metrics both internally and to the public. Our software has empowered our clients to be more responsive, more transparent, and more accurate across all functions.



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Website Development

When developing website structure and functionality we provide a logical flow to effectively convey the information that is important to your target audiences. We do that by developing a conceptual vision to connect the target audience with the website in an interactive way.

We also develop content that provides the information that your audience needs to know, while ensuring that the messaging is consistent with the style and guidelines developed in other communications channels.



Communication

There has never been a more critical time for local governments and utilities to communicate the value of the services you provide. Now, more than ever, meaningful, deliberate, and strategic communication efforts can make the difference. Well-crafted strategic communications can build trust, reputation, influence and brand equity. We specialize in strategic communication counsel, public engagement, and community involvement, and can provide the guidance, structure, strategies, and tactics to help make your new program, infrastructure project, or revenue request successful and avoid costly delays and reputational crises.

Strategic Communication Planning

There's communicating and then there's strategic communication. The difference is whether you are proactive or reactive. Whether you're "shooting from the hip" or speaking based on research and experience. It's whether you're communicating through channels that are convenient to you, or through channels that actually reach your audiences on the other side. Successful communication efforts don't just reach stakeholders, they inspire them to think and act differently. Our strategic approach is fueled by research to ensure your efforts aren't merely output oriented, but outcome oriented to help you achieve whatever outcome you seek, whether to increase community acceptance, enhance your credibility, or build awareness and support for your investments.

In collaboration with our local government and utility partners, Raftelis develops strategic communication plans that will build public trust and confidence in your organization or your project. Consistent communication is crucial when working with potentially contentious and misunderstood issues. We develop a strategic approach that integrates with your current communication program and identifies new opportunities and channels for messaging to ensure proactive engagement of all stakeholders.

Having a strategic communication plan provides a common understanding and roadmap to craft messaging and identify communication channels that will effectively and persuasively communicate information in a manner designed to build public understanding.

Raftelis' approach to developing a strategic communication plan includes the following components:

- **Situation analysis** that includes an environmental scan of current perception of the organization or project and issues that may impact reputation or acceptance in the future
- **Stakeholder identification and public participation mapping** to ensure key influencers are connected to the communication process and that we are leveraging partners to advocate support in getting the message out
- **Communication channel identification**, including websites, social media platforms, printed and electronic materials, electronic and/or direct mail, newsletters, digital advertising, etc.
- **Messaging platform**, which is tailored to the audience, to provide clear, compelling, and consistent answers to the tough and common questions that may arise

Our strategic approach is fueled by research to ensure your efforts aren't merely output oriented, but outcome oriented to help you achieve whatever outcome you seek, whether to increase community acceptance, enhance your credibility, or build awareness and support for your investments.

- **Internal communication strategies** so that employees within your organization can serve as ambassadors and are provided with information and talking points as well as trained to answer questions
- **Community outreach tactics** for key influencers such as elected officials, economic development groups, chambers of commerce, urban and suburban communities, business communities, neighborhood associations, water utility customers, etc.
- **Media relations and social media plan** to determine how best to leverage current media relationships and social media platforms
- **Written communication development** for use in such materials as FAQs, infographics, website updates, bill inserts, etc.

Public Involvement and Community Outreach

Inviting the community to help you understand their needs and concerns is an integral component of building awareness and support for any project. Providing an effective and efficient public event or outreach process lends credibility and transparency to any communications effort. Raftelis is experienced in planning and implementing creative public involvement efforts that engage the public and encourage meaningful information exchange.

When engaging the public on complex initiatives it's challenging to help stakeholders understand the issues let alone motivate them to participate. We design tools that create space for information sharing to increase understanding and engage participants in a way that provides thoughtful and actionable feedback. Building on your existing outreach efforts we look to expand and ensure that the public participation and outreach developed for your projects aligns with past approaches and preferences.

Raftelis has designed public participation and outreach programs that include both traditional methods, open houses, advisory groups, and customer surveys as well as non-traditional tools like tour programs or "pop-up" events at brew pubs, recreation centers, festivals, or other places people gather to attract a more diverse representation of participants. Our goal with any public participation and outreach process is to recruit people as they go about their daily lives and by meeting them in places where they are. People support what they help build, so when your project needs the support of your people, we develop a program that brings them into the process.

Public Meeting Facilitation

Our approach to facilitation is rooted in the knowledge that seeking out input results in better decision-making. Whether you are building your internal team capacity for success or rallying a group of residents together to solve a problem, you need a tightly facilitated and inclusive process to ensure diverse voices are heard, issues are given the right amount of attention, and consensus is reached. Our team offers experience and methods to facilitate whatever gathering of stakeholders you need to find a shared solution.

We are often called upon to facilitate public meetings, board workshops, or advisory groups. We've found that these interactive, facilitated processes can help an organization manage single-issue viewpoints, cultivate relationships, and increase the value of the decision-making process. These groups can serve as an early warning system for issues, options, or opportunities that can be addressed thoughtfully and proactively.

Using a facilitator to help conduct business can be particularly important when:

- The issue the group is providing recommendations on is technical and complex
- The organization has a defined schedule that must be met

- The organization has a strong interest in having a workgroup produce a recommendation that is useful to its governing body
- There is a risk for potential conflict

Raftelis' facilitators set the agenda with the group's consensus, establish clear context for all deliberations, create an environment where all parties are comfortable, listen actively, evoke the creativity of the group, ask appropriate questions, and assess progress. Above all the facilitator's role is to ensure decisions are made when necessary to keep the workgroup moving forward and ensure meeting process and outcomes.

Graphic Design and Marketing Materials

Effective design and creative services are more than just a pretty picture. Strategic and well-thought-out design can help to visually communicate a message in an interesting and understandable way. By focusing on the end user, our designers work with you to develop products and materials to help tell your story.

In the age of endless distractions and information overload, people want information in a visual format that is quickly and easily understood. While lengthy reports may provide great detail on a topic, this is typically not the most effective way to communicate with your stakeholders. Raftelis' team of graphic designers and communications experts utilize the art of design and visualization to develop concise, visually pleasing, and easily digestible materials and content to effectively communicate your message.

Our designers provide start-to-finish support including concept development, copywriting, graphics, and production. We help design an innovative, consistent look and feel for communications and campaign materials tailored to specific audiences. Our designers have experience developing infographics, fact sheets, flyers, websites, marketing materials, e-newsletter templates, technical articles, maps, and other design products.

Media and Spokesperson Training

When a media outlet needs your agency as a source—and it's only a matter of time before they do—are you and your team “media ready?” Do you know how to speak in soundbites? Can you hook, bridge and flag? Our half-day and full-day workshops are designed to equip you and your team with the skills and tips you need to turn a media “gotcha” into a great media “get” for your agency.



The cornerstone of every media effort is successful media relations. Every organization, influencer and consumer could be a potential publisher. This proliferation of channels and voices is complicated by an increase in news consumption via social media, which narrows the reach of any single source. The Raftelis team can act as an extension of your team, working closely with your media relations professionals, to help hone your message and package and pitch your story with an understanding of the needs of your media partners.

Risk and Crisis Communication

Crises come in many forms, such as a service disruption, water contamination, or when a sensational news story affects your city's reputation. Knowing what to do, what to say, and how to say it can be the difference between a quick recovery or a long calamity. Our team has been in your shoes, has extensive experience with crises, and can guide you successfully through the worst of scenarios.

When done effectively, risk communication puts risk in context without trivializing it. Risk communication comes into play during situations where there is a real or perceived risk to public health, economic well-being, property values, or the environment. Our team can bring their direct experience as media spokespersons and crisis managers to you, and we can help prepare you as well. Although no crisis can be anticipated, having a well-developed and well-practiced crisis communication plan can help give your staff a leg-up when the inevitable happens. We can help you develop a crisis communication plan and design and run exercises with your team to practice how to respond to a crisis.

Social Media Strategy

Virtually all of your stakeholders are using at least one social media platform and rest assured they are talking about the issues that matter to your organization. There are more benefits to using social media to engage with them than there are risks. The key is having the right strategy and content. Our team can help you build the most compelling content strategy that doesn't just increase likes but builds relationships.

Audiences seeking out information about your organization will immediately go to an external digital presence. Local governments and utilities cannot afford to neglect digital and social communications in their outreach efforts. Alignment of messaging and communication efforts are highly evident on social media platforms and positive interaction via social media channels is not only possible, but also inclusive and engaging. Encompassing several sub-disciplines, our team works with you to develop online content strategies that connect with target audiences, create platform strategies to maximize reach of that content, and activate communities of interest around shared ideas, interests and needs.



Content development is key, not only to provide a robust online presence but to also feed social media platforms. We can promote that content with both paid and organic tools to build relationships and engage with online social influencers. Developing digital measurement programs is also essential to evaluating and optimizing performance.

Raftelis work with local governments and utilities to review the various available social media channels and, as appropriate, enhance and support your social media strategy to effectively distribute and promote your communications products to relevant audiences.

Technical Writing and Content Development

Local governments and utilities have so much information to share and are fortunate to have experts on a wide variety of topics. Sometimes when those experts communicate information to stakeholders, residents, or customers there is a void that occurs—the message gets sent, but it does not get received. There is an art to presenting facts and information in an easily understood manner that resonates with the reader. Our team of writers offers decades of experience explaining complex technologies and issues using language and imagery the average person can understand.

We are extremely knowledgeable about a broad range of local government and utility issues, projects, and programs. In addition to fact sheets, brochures, newsletter articles, web copy and video scripts, we are adept at developing messaging, talking points, and briefing materials that can be used to support regulatory and policymaker efforts. We regularly develop technical materials suitable for trade journals, white papers, and training manuals, as well as presentation materials for conferences, seminars, workshops, and special events.

Visual Facilitation

More than 80% of us are visual learners, yet our standard meeting structure is to get a bunch of people in a room or online and talk. Sometimes we include a presentation slide deck, but the slides are often just text with an image or two. Studies show that visual images combined with text, increases memory retention up to 89% (Robert Horn, Stanford University). Before you suffer through yet another lengthy Zoom meeting, consider that there is a better way.

Raftelis is one of only a handful of companies in the country that have an internal resource for graphic recording and visual facilitation.

Visual facilitation is the real-time capture in images and words of the conversation or presentation in meetings, and it can be used whether the meeting is with just a few people or thousands. Visual facilitators listen for salient points in the group conversation, synthesizing them and translating them into a visual form. This can be done in person or virtually. When working with groups in person, our facilitator uses a huge sheet of paper in front of the room. When meeting virtually, we create digital drawings that can be shared in real time or at key moments of group reflection and discernment.

Here's what visual facilitation can bring to your meeting:

- Better decision-making, by keeping the information and ideas that have been shared, visible, groups can discern together based on the collective knowledge they have generated in dialog and presentations.
- Enhanced ability to retain and recall or review the content because there is a visual reference. In one view you get the big picture rather than relying on written notes.
- Transparency, trust, and focus are increased when the information is visible, allowing individuals and groups to see the 'big picture'.

- Increased engagement in virtual and face-to-face sessions because content is available in multiple forms, allowing for different learning styles. Language challenges are also supported by including visual synthesis.
- For community engagement, seeing the thoughts and ideas captured enhances the sense of being heard and has the potential to decrease opportunities for conflict and misunderstanding.
- The ability to communicate plans to a broader audience. Not everyone wants to read a detailed report or a strategic plan but having a visual synthesis of a plan can be a way to expose a broader audience to the work being done and plans for the future.

Virtual Engagement

Zoom, WebEx, Teams, Muse, Bang the Table, GotoMeeting—we’ve facilitated meetings in all these platforms and more. Now that people are comfortable meeting virtually a whole new world of public engagement has opened up.

Virtual engagement can be an efficient, inclusive, cost-effective way to gather people together to inform and involve them in your project, program, or decision-making process. Virtual engagement can also be rife with uncertainty over whether the technology will work, if you are getting the right people to engage, and difficulties in reading the audience’s reactions.

Raftelis can help lessen this stress by taking on the meeting facilitation, technology, and engagement strategy. Our process helps ensure that people are engaged at a level they want to be, that the meeting produces an outcome, and that you have a summary record that the meeting happened.





Executive Recruitment

Making the right hire for key positions is critical to the health and long-term success of any organization. A strategic approach to executive recruitment can be an invaluable service for both governing bodies hiring executive staff and city managers, utility directors, and CEOs filling high-level positions. Talent acquisition is a time-consuming process and very difficult in today's labor market, but one of the most important decisions hiring managers and governing bodies make. We do the hard work on this so you can focus on good decision-making.

Defining the Need and Stakeholder Engagement

We begin each recruitment working with the hiring manager or governing body to clearly define the need for the position with an eye to the future. We also conduct stakeholder engagement to understand the organizational culture, current strengths and opportunities, and leadership traits and experiences that are needed to achieve long-term goals. The time spent upfront defining the needs, engaging with staff and other stakeholders pays dividends on the back end. We are better able to clearly define what is needed in the position and the unique opportunities for the next leader.

Developing a System for the Top Candidate's Success

We apply a holistic approach to executive search that focuses on long-term fit and performance rather than short-term placement. Not only will we support your organization by finding the right people when you need them most, our process includes identifying first year goals so the candidate's skillset is aligned with organizational needs and expectations from day one.

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We support the top candidate's long-term success by creating a goals-driven work plan actionable from day one. Many firms focus solely on finding qualified applicants, leaving the client on their own once the position is filled. Our team uses the objectives gathered during the inquiry stage to prepare new hires for their first year and we follow up after their placement.

We have worked extensively with local governments and utilities in making key hiring decisions. Because we have hands-on career experience in the fields in which we search for candidates, we can deliver the best and the brightest – filling key positions, such as:

- City and County Manager
- General Manager, CEO, CAO
- Executive Director
- Assistant/Deputy Manager
- Police Chief
- Fire Chief
- Financial Director/Chief Financial Officer

We also focus on department heads such as for Planning and Development, Engineering, Public Works, Human Resources, Information Technology/CIO, Human Services/Social Services, Parks and Recreation, Libraries, and other key or difficult to fill positions.

We also offer additional services to assist in onboarding and ensuring success. These include workshops and engagements that focus on clarifying roles and responsibilities, expectations, and goals. We also offer team-building sessions that focus on communication and workstyles.

Building a Leadership Team that Mirrors the Community You Serve

We are committed to helping you further integrate diversity initiatives into your hiring decisions. Diversity and inclusion are a Raftelis core value, and we understand that our role in helping you find a key hire is also an important driver in organizational change. Often there are barriers that might be keeping women and people of color from applying, or being included in an interview pool, for example, unnecessary credentials, educational limits, or years of experience. Raftelis thoroughly reviews the position requirements to determine what is preferred and what is truly required to do the job.

We often find that the professionals who are the best fit for an open position are already employed and not searching for a traditional job posting. To get the best candidates we leverage our extensive, diverse professional network to attract the best talent nationwide. We have been successful in identifying a candidate pool that is racially, ethnically, and gender diverse. We work closely with several organizations that support this goal, and we advertise in national publications that target people of color and women, including the National Forum of Black Public Administrators (NFBPA), Local Government Hispanic Network, and the League of Women in Government. In addition to a large prospective applicant database, we also conduct targeted, customized outreach for each recruitment. We identify individuals and similar organizations to reach out to directly. We will also use social media to broaden our reach and target strong prospective applicants. We intentionally seek well-qualified women and people of color, so our clients have excellent choices.

The results of this approach are excellent—39% of our recruitments resulted in the hiring of females and 21% of our recruitments resulted in the hiring of people of color.



39% of our recruitments resulted in the hiring of **females**

21% of our recruitments resulted in the hiring of **people of color**



Strategic Planning

An effective strategic plan serves as a guide for an organization as they set policies and make decisions. We work with local governments and utilities to develop strategic plans that are engaging, relevant, and practical to allow your leadership to prioritize your community's needs and track progress in meeting your objectives.

Strategic Planning

Day to day, there never seems to be enough time, funding, or staff to meet every need, and allocating limited resources is one of the most difficult aspects of effectively managing local governments and utilities. A strategic plan can set the direction for the future of an organization or a community and help you guide policy and operational decision-making. Strategic planning that is incorporated into the fabric of the organization is a valuable tool that helps ensure that the organization is sustainable operationally, environmentally, socially, and financially.

Raftelis works collaboratively with local governments and utilities to develop strategic plans that are customized for their specific context. We do this by involving employees, governing bodies, and stakeholders to create a plan that is engaging, relevant, and practical to allow your leadership to prioritize your community's needs and track progress in meeting your objectives.

A Broad and Deep Approach

A successful strategic planning process helps your organization have:

- Well-defined strategies directed toward achieving goals
- A committed team of employees working toward a shared vision
- Enhanced engagement from your governing body
- An effective tool for enhanced communication with external stakeholders
- Predictable performance reflecting achievement of measurable objectives

Our strategic planning approach includes a focus on engaging stakeholders early through interviews, focus groups, workshops, retreats, and facilitated meetings to drive the planning process and to develop relevant goals and objectives that meet the needs of your community and organization. Our approach is highly customizable and builds on professional best practices including goal and strategy identification and a focus on plan implementation.

From Plan to Action

Even the most in-depth and skillfully developed strategic plan will fall short of success if the plan sits on a shelf. Raftelis works with local governments and utilities after the development of the plan to ensure successful implementation on a realistic timeline. We also provide tools to track progress as the objectives and strategies of the plan come to fruition.

Effective Board/Commission/Council Governance

Although governing bodies differ, three obstacles to governance effectiveness are fundamental. First, boards, commissions, and councils that are willing to deal with big issues will have to confront conflicting political values. These values include representation, efficiency, social equity, and individual rights. Choices among values are not choices between right and wrong, and councils searching for "correct" answers to policy issues are bound to become

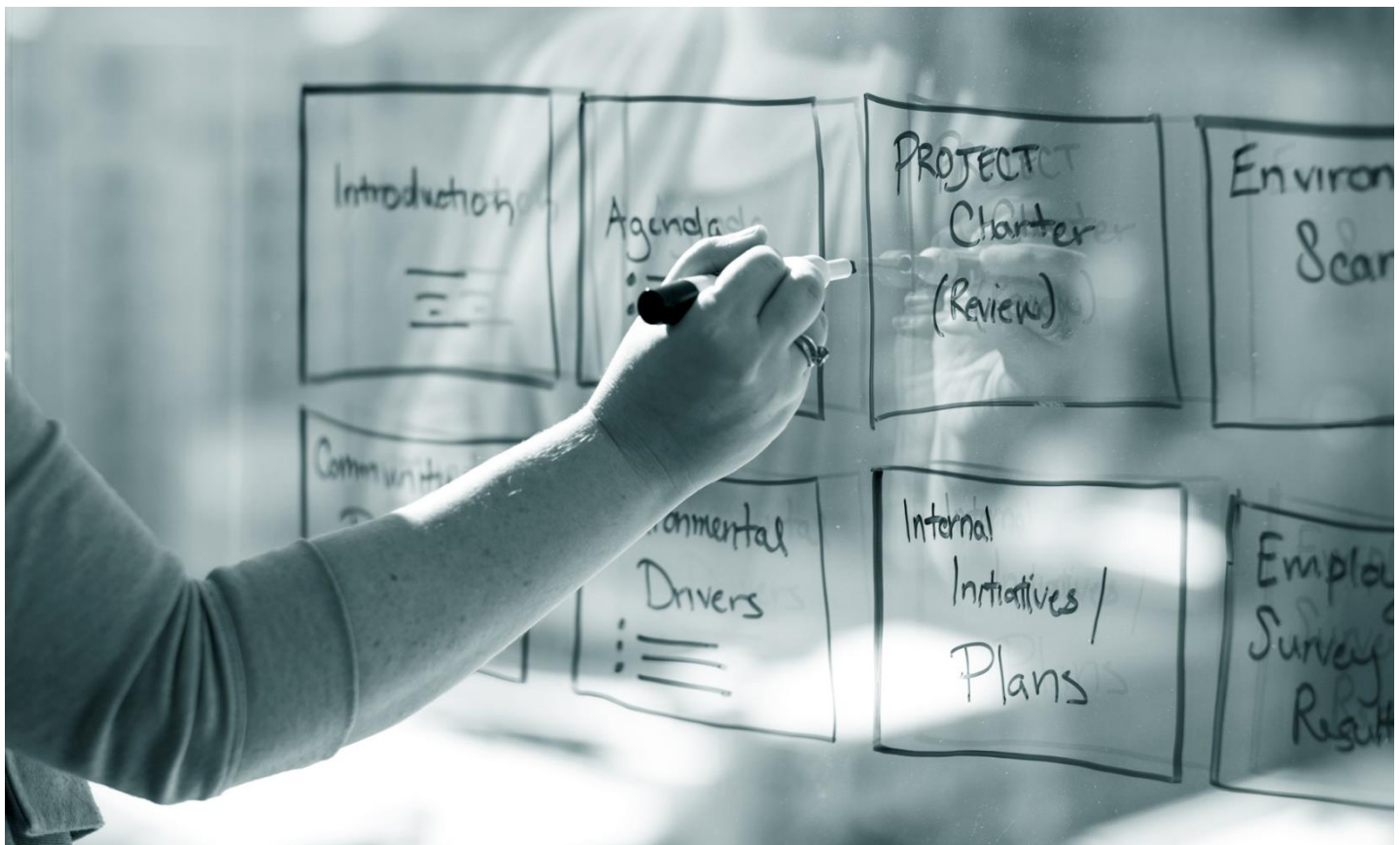
frustrated. Second, councilors must confront the difficult values work they are responsible for in the absence of hierarchy—the mayor is not the boss. Most people have never had a job where no one was in charge. The third obstacle is the difference in perspective between council and staff—differences that are often difficult to understand because while council and staff use the same words, they speak a different language.

We help and guide boards, commissions, councils, and their staff using tools that are intended to enable a willing council to deal with difficult issues by building council capacity. An important piece of that capacity is an effective partnership with staff. The tools we use to build good governance include orienting new elected officials, retreats and goal setting, regular one-on-one meetings with staff leadership, appropriate access to department heads, and documented business practices.

Retreat Planning and Facilitation

Councils, boards, commissions, and local government and utility leadership benefit greatly from opportunities to work together to develop a strategic vision for how they want to govern and lead. Retreats allow for focused time to grow governance and leadership capacity and a skilled retreat facilitator can ensure that the group progresses and hits the desired outcomes of the retreat.

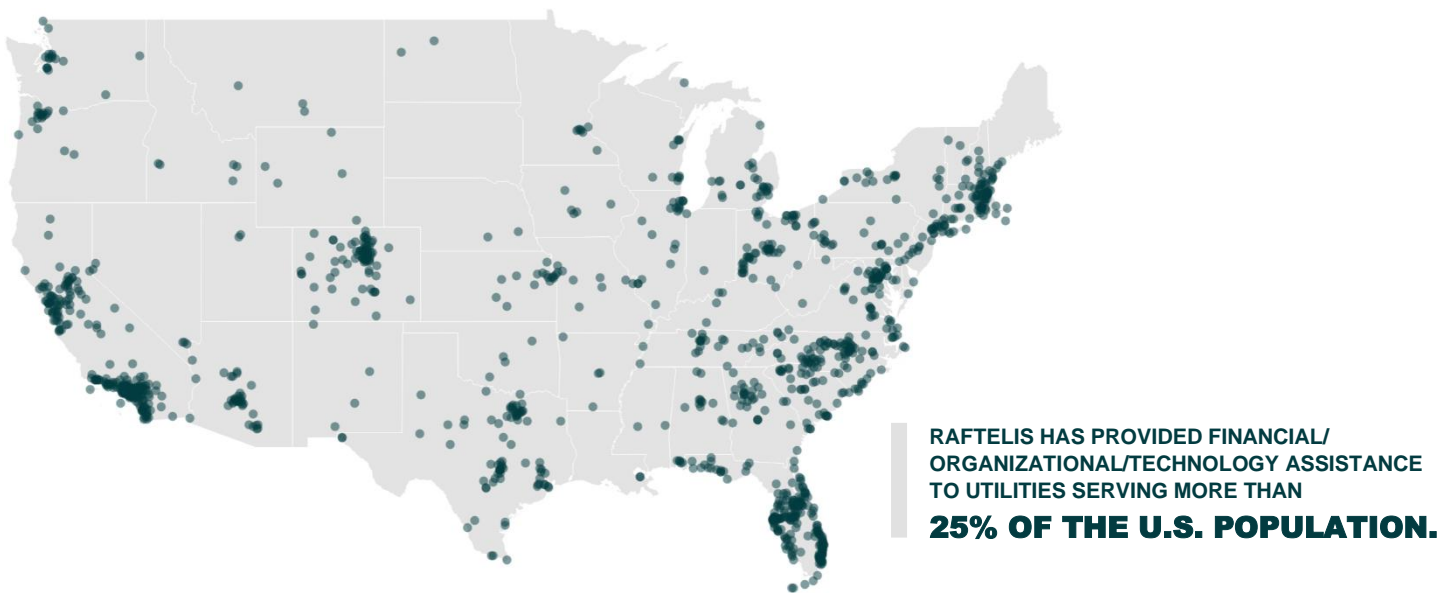
Managing group processes is equal parts art and skill. Through the years, we have facilitated countless group exercises including governing body and staff retreats and goal setting conversations. We excel at navigating complex interpersonal dynamics within an organization to ensure that its employees are aligned to carry out its vision. Our knowledgeable facilitators create an atmosphere in which all parties are engaged, all voices are heard, and people of all backgrounds find common ground.



Experience

RAFTELIS HAS THE MOST EXPERIENCED UTILITY FINANCIAL AND MANAGEMENT CONSULTING PRACTICE IN THE NATION.

Our staff has assisted more than 1,200 local government agencies and utilities across the U.S., including some of the largest and most complex agencies in the nation. In the past year alone, Raftelis worked on more than 1,000 financial, organizational, and/or technology consulting projects for over 600 agencies in 46 states, the District of Columbia, and Canada. Below, we have provided descriptions of projects that we have worked on that are similar in scope to *client’s project. We have included references for each of these clients and urge you to contact them to better understand our capabilities and the quality of service that we provide.



Erie Water Works PA

Reference: Paul Vojtek, Chief Executive Officer/Chief Financial Officer
 P: 814.870.8000 ext 303 / E: pvojtek@eriewaterworks.org

Erie Water Works (EWW) contracted with Raftelis to complete a water rate study. The project involved developing a five-year financial plan to determine the need for future rate revenue adjustments, completing a cost-of-service evaluation, and evaluating several rate structure alternatives.

Raftelis developed a customized financial planning model for EWW to evaluate revenue sufficiency over the forecast period and to projected future rate increase needs. The financial plan incorporated EWW’s latest operating budget and five-year capital plan, future debt service, and planned debt issues. We also incorporated fiscal policies related to liquidity and debt service coverage into the financial plan. At the request of EWW, we ran several different scenarios to evaluate the impact of cash funding a desired level of PayGo repair and replacement capital on the forecasted rates. In the end, EWW was able to confidently set rates over the next five-year period to adequately fund the operating and capital costs of the system, while also ensuring a strong financial position for the utility.

The cost-of-service evaluation was used to update EWW's bulk rate to its municipal customers and to determine if the existing rate structure was equitable recovering costs from EWW's major customer classes. To evaluate this, system costs were allocated to customer classes using average day, maximum day, maximum hour, meters and services, and customer related cost categories and relevant customer data. Allocated costs were then compared to the estimated revenues to be generated from each class. The bulk rate was calculated by dividing allocated costs by the billed consumption of wholesale customers. Rate alternatives were evaluated as part of the rate study. These included updating the existing rates and rate structure, recovering the additional rate revenue need in each year by generating a greater proportion of revenue from the Customer Service Charges to increase fixed revenues, and the development of a dedicated capital charge to recover annually recurring repair and replacement costs. The alternatives will be presented to EWW's Board in October for consideration.

Pittsburgh Water and Sewer Authority PA

Reference: Debbie Lestitian, CPA, Esq., Chief Corporate Counsel/Chief of Administration
P: 412.676.6687 / E: dlestitian@pgh2o.com

Pittsburgh Water and Sewer Authority (PWSA) engaged Raftelis for a comprehensive cost of service and rate design for water and wastewater conveyance service. Raftelis was instrumental in helping PWSA enact a series of rate adjustments totaling 51% over three years to Pittsburgh provide the necessary revenue to hire additional staff and begin fixing a decades-long backlog of infrastructure needs. The basis for these rate adjustments was a comprehensive rate and financial planning model based on a thorough cost of service and rate study, which yielded a comprehensive financial plan. On April 1, 2018, PWSA officially became regulated by the Pennsylvania Public Utility Commission (PAPUC). PWSA hired Raftelis to assist with its rate filing, a result of the new regulation. The rate filing package, which included all required PAPUC filing documentation, as well as testimony and the rate model used to develop the projections was officially filed on July 2nd. Since then, the Rate Filing Team have been responding to numerous interrogatories and providing rebuttal testimonies. PAPUC approved PWSA's settlement with intervenors, and rates were successfully adopted.

Central Arkansas Water AR

Reference: Tad Bohannon, Chief Executive Officer
P: 501.377.1345 / E: tad.bohannon@carkw.com

Central Arkansas Water (CAW) provides water service to approximately 450,000 people. They are addressing rising capital costs while trying to keep customer impacts at a minimum. Historically, CAW was able to cash fund the majority of capital projects, but within the past 10 years, CAW has included several bonds in their funding portfolio to finance capital projects identified through the asset management program.

Raftelis assisted CAW with a comprehensive rate study. Due to lingering effects of the economic recession, particularly in the greater Little Rock region, the rate program was delayed one year. Raftelis resumed work with a comprehensive annual update to the study, and a three-year rate program was adopted.

Raftelis was again engaged by CAW for a comprehensive rate study to develop a four-year rate program. Raftelis updated and refined the long-term financial plan as well as evaluated current cost of service for customers. Raftelis explored alternative rate structures to determine if any changes should be made to the existing structure that might

better address the utility's current objectives, and ultimately, raising the minimum charge by a higher overall percentage than the volumetric was selected to increase revenue stability.

Most recently, Raftelis was engaged to conduct another cost of service study and multi-year rate plan. Raftelis considered several alternative rate structures before deciding on phasing out the volumetric allowance in their minimum charge over two years. Also, CAW implemented a new fixed fee that specifically addresses rising billing costs. The rate plan was approved by CAW's Board of Commissioners.

Town of Erie CO

Reference: Todd Fessenden, Public Works Director

645 Holbrook Street, Erie, CO 80516

P: 303.926.2895 / E: tfessenden@eriegov.org

The Town of Erie (Town) retained Raftelis to develop comprehensive financial plans, cost-of-service analyses, rate designs, and tap fees for its water, wastewater, and storm drainage utilities. The Town has experienced significant growth since 2010 and anticipates this trend continue over the next 15 years. The Town expects capital improvements projects to keep pace as growth continues. To ensure the impacts of the cost of growth on existing rate payers is minimal, the Town has adopted a "growth-pays-for-growth" policy regarding tap and raw water dedication fees. Raftelis worked with Town staff to determine the most appropriate funding strategies for capital developments, using combinations of debt and available cash to ensure each utility would be able to fund operations and maintenance, meet target reserves, and adhere to required debt service coverage ratios.

Raftelis also developed separate financial plans for each utility. Subfunds were created for each utility to monitor activities associated with ongoing operations and growth-related activities. This separation of funds allowed the Town Council to see how growth revenues were able to fund projects and whether rate revenue was required to make up deficiencies.

Finally, Raftelis updated develop cost-of-service rates using the Town's existing rate structure for each utility. Of particular interest was developing a new water rate structure for the multifamily class. Multifamily customers were assessed the single-family tiered structure without any adjustment of the tiers recognizing the number of units. This created a large inequity between single family and the multifamily class. Raftelis proposed a uniform rate for the multifamily class since domestic use and irrigation are provided through different taps. Study findings were presented to the Town Board and adopted.

National Experience

This matrix shows a brief sample of some of the utilities throughout the U.S. and Canada that Raftelis staff has assisted and the services performed for these utilities.

Client	Finance						Organization					Technology				
	Affordability Analysis & Program Development	Capital Improvements Planning/Prioritization	Debt Issuance Support	Economic & Financial Evaluations	Financial Planning & Modeling	Rate, Charge, & Fee Studies	Stormwater Utility Development & Support	Organizational, Governance, & Operations Optimization	Performance Measurement & Benchmarking	Program Planning & Support	Stakeholder Engagement & Communication	Strategic Planning	Billing, Permitting, & Customer Information Audits	Business Process Development	Data Management, Analytics, & Visualization	Software Solutions
AL Birmingham Water Works Board	●	●	●		●	●			●	●	●				●	
AR Central Arkansas Water		●			●	●		●				●				
AR Little Rock Water Reclamation Authority		●			●	●			●	●						
AZ Phoenix, City of	●	●	●		●	●			●							
AZ Pima County		●			●	●										
AZ Tucson Water		●			●	●				●						
CA Alameda County Water District		●	●		●	●										
CA Anaheim, City of		●			●	●										
CA Central Contra Costa Sanitation District		●			●	●		●	●							
CA East Bay Municipal Utility District	●	●			●	●										
CA Long Beach, City of	●		●		●	●										
CA Los Angeles, City of					●	●										
CA Metropolitan Water District of Southern California					●	●			●							
CA Palo Alto, City of		●			●	●										
CA San Diego, City of		●			●	●										
CA San Juan Capistrano, City of		●			●	●										
CA Santa Cruz, City of		●			●	●										
CA Thousand Oaks, City of	●	●			●	●										
CA Ventura, City of					●	●				●						
CO Boulder, City of		●			●	●	●									
CO Denver Wastewater Management Division			●		●	●		●	●	●						
CO Denver Water					●	●									●	
CO Greeley, City of		●	●	●	●	●	●									
CO Metro Wastewater Reclamation District					●	●					●					
CT Groton, City of		●		●	●	●		●		●	●		●	●		
DC DC Water		●			●	●		●	●		●			●		
DE Wilmington, City of								●			●					
FL Emerald Coast Utilities Authority		●	●		●											
FL Florida Keys Aqueduct Authority		●	●		●	●										
FL Pompano Beach, City of		●			●	●		●								
FL St. Johns County		●	●		●	●										
GA Augusta, City of		●			●	●										
GA Columbus Water Works		●	●		●	●										
GA Paulding County		●	●	●	●	●										
HI Honolulu ENV, City and County of		●			●	●										
IL Bloomington, City of		●			●	●										
IL City of Naperville		●			●	●										
KS Topeka, City of		●			●	●										
KS Wichita, City of		●			●	●										
KY Hardin County Water District #1		●			●	●										
LA New Orleans, Sewerage & Water Board of		●	●		●	●	●		●	●					●	
MA Boston Water & Sewer Commission		●			●	●	●	●		●	●				●	●
MA Northampton, City of	●				●	●				●						
MD Baltimore, City of	●	●			●	●	●	●		●	●				●	●
ME Portland Water District					●	●										
MI Detroit Water and Sewerage Department					●	●										
MI Flint, City of					●	●									●	

Client	Finance						Organization					Technology				
	Affordability Analysis & Program Development	Capital Improvements Planning/Prioritization	Debt Issuance Support	Economic & Financial Evaluations	Financial Planning & Modeling	Rate, Charge, & Fee Studies	Stormwater Utility Development & Support	Organizational, Governance, & Operations Optimization	Performance Measurement & Benchmarking	Program Planning & Support	Stakeholder Engagement & Communication	Strategic Planning	Billing, Permitting, & Customer Information Audits	Business Process Development	Data Management, Analytics, & Visualization	Software Solutions
MI Saginaw, City of		●			●	●										
MO Metropolitan St. Louis Sewer District		●	●		●	●	●	●								
MS Jackson, City of	●	●			●	●		●							●	
NC Asheville, City of		●	●		●	●		●			●					
NC Charlotte Water	●	●			●	●										
NC Durham, City of		●	●		●	●										
NC Fayetteville, City of		●	●		●	●	●									
NC Raleigh, City of		●	●		●	●	●	●		●						
NH Concord, City of		●			●	●										
NJ Brick Township Municipal Utilities Authority					●	●										
NJ Jersey City Municipal Utilities Authority		●			●	●										
NV Henderson, City of		●			●	●										
NY Erie County Water Authority					●	●										
NY New York City Water Board		●			●	●									●	
OH Akron, City of		●			●	●				●						
OH Franklin County		●			●	●										
OH Montgomery County Environmental Services		●			●	●		●	●		●		●	●	●	
OH Northeast Ohio Regional Sewer District	●	●			●	●	●	●						●	●	●
OK Chickasha, City of					●	●	●	●		●			●	●		
OK Stillwater Utilities Authority					●	●									●	
OR Portland Bureau of Water, City of		●	●		●	●									●	
PA Capital Region Water	●	●	●		●	●	●			●	●					
PA Philadelphia Water Department	●	●	●		●	●		●	●	●	●			●	●	●
PA Pittsburgh Water and Sewer Authority	●	●	●	●	●	●		●	●	●	●		●	●	●	
RI Newport, City of		●	●		●	●										
RI Providence Water Supply Board		●			●	●		●	●							
SC Greenville Water					●	●		●								
SC Mount Pleasant Waterworks		●			●	●					●					
TN Johnson City, City of	●	●	●		●	●										
TN Metro Water Services of Nashville and Davidson County		●	●		●	●	●		●		●	●				
TX Austin, City of		●	●		●	●			●							
TX Dallas, City of		●			●	●	●			●			●	●		
TX El Paso Water Utilities		●	●		●	●				●				●	●	●
TX North Texas Municipal Water District		●		●				●	●	●	●		●	●	●	
TX Round Rock, City of						●										
TX San Antonio Water System	●	●			●	●				●						
UT Salt Lake City					●	●				●						
VA Newport News Department of Public Utilities, City of		●	●		●	●					●				●	
VA Richmond Department of Public Utilities	●	●			●	●	●			●					●	
VA Suffolk, City of		●	●		●	●										
VT Burlington, City of		●	●		●	●										
WA Tacoma, City of				●		●					●				●	
WI Milwaukee Metropolitan Sewerage District		●			●	●										
WI Milwaukee Water Works		●			●	●										
WV Charleston Sanitary Board						●										
Can Calgary, City of		●			●			●							●	
PR Puerto Rico Aqueduct and Sewer Authority		●	●		●			●	●	●						

John Mastracchio ASA, CFA, PE

Executive Vice President



PROFILE

John is an Executive Vice President with more than 27 years of experience as a financial and management consultant serving the utility, governmental, and private sectors. His extensive experience includes over 250 financial projects covering technical areas including financial planning and rate setting, capital financing, asset management, regionalization, valuation, litigation support, and transactional consulting, and spans several utility sectors including water, wastewater, electric, solid waste, and stormwater, along with consulting for federal and municipal general government, transportation, and ports.

John has authored manuals of practice and utility industry papers on infrastructure investment, capital financing, financial management practices, and rate-setting, including AWWA's *Manual of Practice M1, Principles of Water Rates, Fees, and Charges; Water Rates, Fees, and the Legal Environment; Manual of Practice M29, Water Capital Financing; and Financial Management for Water Utilities: Principles of Finance, Accounting, and Management Controls*, along with the textbook *The Effective Water Professional: Leadership, Communication, Management, Finance, and Governance*, published by the Water Environment Federation (WEF).

REPRESENTATIVE PROJECT EXPERIENCE

Metropolitan Water District of Southern California (CA)

John is currently assisting the Metropolitan Water District of Southern California (Metropolitan) develop a cost allocation and funding plan for the Pure Water Southern California program. The Program is a partnership between Metropolitan and the Los Angeles County Sanitation Districts. The program will create a new water supply at an estimated cost of \$8 billion to help meet the region's needs by providing up to 150 million gallons of water daily or 155,000 acre-feet-year, enough for 1.5 million people. The water will replenish groundwater basins, be used by industries, and potentially be integrated into Metropolitan's existing drinking water treatment and delivery system. In support of the development of this project, John is assisting Metropolitan identify and develop cost recovery options that will provide a long-term revenue source to fund the capital and operating cost of the project. John has led financial assessment and cost recovery surveys to help identify revenue recovery alternatives for the project.

Henrico County (VA)

John assisted Henrico County evaluate the financial feasibility of the Cobbs Creek Reservoir, which was the County's \$280 million project to construct a 14.8-billion-gallon regional water supply impoundment located in Cumberland County, Virginia to secure its drinking water needs for decades into the future. John evaluated engineers' capital and operating expense forecasts and developed a financial model to evaluate rates and revenues necessary to support the long-

Specialties

- Financial analysis & modeling
- Financial planning, cost of service, rate design
- Bond feasibility studies
- Transactional due diligence support
- Government consolidation/regionalization
- Public-private partnerships
- Inter-municipal agreement support
- Valuation assessments
- Expert witness & litigation support
- Benchmarking
- Capital financing & project planning
- Business process improvement
- Asset management/business case evaluations

Professional History

- Raftelis (2017-present)
- Arcadis, U.S., Inc. (2003-2017)
- Arthur Andersen (2001-2002)
- Parsons Corporation (1994-2000)

Education

- Master of Business Administration, Finance - Cornell University (2001)
- Master of Science, Civil & Environmental Engineering - Clarkson University (1994)
- Bachelor of Arts - State University of New York, College at Geneseo (1993)

Certifications

- Accredited Senior Appraiser (ASA)
- Chartered Financial Analyst (CFA)
- Professional Engineer (PA)
- Lean Six Sigma
- Series 50 Municipal Advisor Representative

Professional Memberships

- American Society of Appraisers
- AWWA: Chair of Finance, Accounting, & Management Controls Committee
- CFA Institute
- Water Environment Federation

term funding of the project. The work entailed completing an economic evaluation to support the engineering plans, completing a cost-of-service evaluation and rate, fee, and charge study to assist Henrico County (County) develop a sustainable financial management plan for the project and ensure the equitable recovery of costs. The financial management plan was developed using an interactive forecast model that allowed alternative scenarios to be easily evaluated. The project moved forward and construction is expected to be completed in 2023 and fully operational.

City of Dayton (OH)

John assisted in completing a water master plan for the City's water system that consisted of developing a long-term strategic business plan to help guide the organization's operation and infrastructure investments. Completed an assessment of current operational efficiency and assisted in identifying areas with the most potential for savings and potential to realize "quick wins," spanning multiple departments and functions. Completed benchmarking studies to assess cost competitiveness, and assisted in completing an in-depth financial analysis of organizational optimization opportunities. Also, completed water rate studies for the City, consisting of estimation of revenue requirements, development of financial models, facilitating workshops with the City, completion of cost of service evaluations, and developing projections of utility rates. Prepared utility surveys and benchmarking studies to assess competitiveness of existing and proposed rates, and presented results to City staff and officials.

Capital Region Water (PA)

John provided financial consulting services including preparation of affordability analyses, cost of service modeling to justify rates charged to outside jurisdictional customers, development of financial plans and rate projections, consisting of demand forecasts, projections of revenues and expenses, modelling fiscal requirements and targets, identification of rate revenue requirements, allocation of costs to both retail and wholesale customers, and calculation of utility rates. Involved in the planning and execution of the transfer of conveyance assets from the City of Harrisburg (City) to the client, involving asset valuation, revenue and expense projections, and analysis of shared services costs between the City and client. He completed a bond feasibility report for the water system consisting of asset condition assessment and the development and projection of capital improvement needs over a five-year forecast period to satisfy trust indenture requirements. He completed an affordability assessment to support EPA negotiations on implementation of a long-term control plan.

Confidential Client (TX)

John led the completion of technical and financial due diligence evaluations for an investor group considering an equity investment in a billion-dollar water public-private partnership. Services included review and evaluation of contractual documentation with the owner, developer, and subcontractors, developed up-side and down-side financial projections and risk scenarios, identification and evaluation of investor risk, review and development of financial modelling assumptions regarding supply and demand, operation and maintenance costs, rate of return, capital expenditures and cost recovery. Efforts assisted equity investors evaluate the public-private partnership deal.

Metropolitan Water Reclamation District of Greater Chicago

Served as the lead financial analyst in completing a comprehensive financial, economic, and environmental analyses of potential effluent disinfection at the District's three largest water reclamation plants. Developed an economic and affordability model and completed an analysis of the impact of funding projects needed to meet the effluent disinfection requirements. Assessed the ability to fund and finance the District's entire capital program, assessed the impact on customer's cost of service, and assessed customers' ability to pay for the proposed improvements. Presented written and oral testimony of evaluation results before the Illinois Pollution Control Board.

Charlotte Water (NC)

John has served as project manager for numerous cost of service evaluations and rate studies for Charlotte Water. He completed studies to evaluate and update Charlotte Water's existing water and sewer rate structure, evaluate customer assistance and affordability programs, develop rate structure alternatives, and assist in rate adoption and implementation.

He addressed pricing objectives including inter- and intra-class equity, water conservation, revenue stability, low income affordability, and economic development. Completed cost of service studies to determine the cost responsibility of customer classes. He evaluated customer affordability at various income levels and household sizes within the service area. He facilitated a public input process by forming a stakeholder advisory group that consisted of representatives of residential customers in various neighborhoods across the service areas, as well as business representatives from the community. He conducted more than 15 public and stakeholder meetings to obtain customer feedback pertaining to the rate structure. He assisted Charlotte Water obtain Council approval for a modified rate structure methodology that included an enhanced lifeline rate, water conservation incentives, and sewer billing based on average winter consumption.

Confidential Client (Midwest)

John assisted a private investor complete review and due diligence for the potential acquisition of several hydroelectric power facilities in the upper Midwest. Validated the investor's financial model and business plan by reviewing and evaluating the electric and other revenues generated by the hydropower facilities, and the annual operations, maintenance, and anticipated future capital needs of the facilities. Provided input regarding the net revenue potential of the facilities and identified and evaluated potential risks to net revenues for the potential investor.

City of Columbus (OH)

John led the completion of cost-of-service evaluations and rate, fee, and charge assessments to assist the City generate sufficient revenues to pay for upcoming water and sewer capital improvement and operation and maintenance programs. The project included completing a cost-of-service evaluation to determine the cost responsibility of the City's customers, and a rate structure evaluation to identify water and sewer rate structures that were closely aligned with the cost of providing service and developing rate formulas for the city's future use. Provided input into the City's affordability analysis to support implementation of a long-term control plan. Based on the results of this study, assisted the City in implementing a customer assistance program to address affordability by changing its water rates from a declining block structure to a "lifeline" rate and an inclining block structure for residential customers. Also, assisted the city in implementing a separate charge to customers to pay for its upcoming \$2.5 billion wet weather capital program. This charge recovers the cost of the program based upon the impervious surface area of the City's customers. Presented study results to city staff, city council, and other stakeholders using interactive financial modeling tools that were developed for the client. Reviewed the City's low-income discount programs and evaluated the revenue and rate impacts associated with the enhancement of these programs.

Delta Diablo (CA). Financial Feasibility Study. Led the completion of a financial feasibility study for the East County Bioenergy Project. The project consisted of wastewater system improvement to accept food waste for the generation of renewable biogas that could be sold to generate additional revenues for the District. Developed a financial model and evaluated project risk using Monte Carlo simulation and scenario analysis. Presented results of the financial model to assist the District in making a project investment decision.

Lehigh County Authority (PA)

John provided technical and financial due diligence services for the Lehigh County Authority (Authority) to support the issuance of revenue bonds to fund the up-front concession payment for the utility assets associated with the concession agreement with the City of Allentown, PA. Reviewed and evaluated financial projections and cash flow forecasts, evaluated upside and downside financial scenarios, supported organizational due diligence, system condition assessment, and provided bond feasibility opinions related to the transaction.

Monterey Peninsula Water Management District (CA) – Valuation and Cost of Service Study

John led the completion of a valuation assessment and cost of service study of the Monterey Water System owned and operated by the California-American Water Company assessment of the financial feasibility of acquiring the water system

through negotiated sale or condemnation action. Prepared a valuation of the water system using industry accepted methods. Evaluated the annual costs and water rates that would result from public ownership of the water system. Presented results to the MPWMD board for decision to move forward with possible condemnation.

Northern Will County Water Agency (IL)

John provided expert testimony regarding the valuation of the American Lake Water Company, a subsidiary of the American Water Company to support condemnation proceedings. The valuation review opinion was prepared including consideration of the asset, income, and market-based valuation methodologies.

Region of Peel (Canada)

John served as the project director for a comprehensive long-term water and wastewater financial planning project for the Region of Peel. This project entailed (1) review of the Regions existing budgeting, capital planning, and financial planning processes to identify gaps and opportunities for improvement, (2) completion of an environmental scan to compare the Region to peer utilities across Canada and beyond from a financial perspective, (3) completing a cost of service evaluation, (4) preparation of rate structure alternatives, (5) the development of a long-term financial plan and model to assist the Region with long-term financial decision-making, and (6) facilitating an extensive stakeholder outreach effort to solicit feedback from customers. The project is ongoing and the results are anticipated to be the successful implementation of a new water and wastewater rate structure and financial plan for the Region..

Greenburgh Consolidated Water District (NY)

John prepared a financial plan, financial model and water rate plan to assist the Town of Greenburgh Consolidated Water District (Town) pay for anticipated water system capital improvements. The financial plan and model was prepared to forecast cash flow and revenue requirement needs over a 10 year period. The model included forecasts of customer accounts and water consumption, operations, maintenance, and capital project costs, and capital funding needs over the forecast period, including the cost of purchased water from New York City. The rate study consisted of an allocation of costs to the Town's customers, and an evaluation of rate structure alternatives to provide sufficient revenues to the Town and to ensure an equitable and stable revenue source over time to support the needs of the system. Prepared and provide the Town with financial and rate models, and presented rate recommendations to the Town Board and the Water Advisory Committee.

Water Research Foundation (CO)

John was the principal investigator on a research project to identify and evaluate new and emerging capital financing alternatives and capital providers relevant to the water industry. Identified new and emerging capital providers and financing alternatives, evaluated their benefits and limitations. Prepared research report and capital financing evaluation toolkit consisting of a series of case studies and a decision support tool that can be used to evaluate the financing alternatives.

John was the principal investigator on a research project to identify and develop communication approaches, messages, and tools that water utilities can use to communicate water rate and pricing changes more effectively to governing board members, and gain support for needed utility rate adjustments. Through this research, identified the factors critical to successful rate case adoptions, identified factors that tend to inhibit successful rate adoption, developed a framework for effective rate communications, and prepared a rate communications toolkit that can be used by utilities to effectively communicate and garner support for rate adjustments.

PUBLICATIONS

- Affordability of Wastewater Service, 2nd Edition, Water Environment Federation, 2022.
- “Thinking Outside the Bill: A Utility Manager’s Guide to Assisting Low-Income Water Customers”, A study sponsored by the AWWA Water Utility Council, Third Edition. 2022.
- “How Much Is It Worth? An Overview of Valuing Water Utilities”, published in the Journal of the American Water Works Association, August 2020.
- “Affordability Assessments: Policy Recommendations for USEPA,” published in the Journal of the American Water Works Association, June 2020.
- “The Financial Impact of the COVID-19 Crisis on U.S. Drinking Water Utilities,” prepared for the American Water Works Association and the Association of Metropolitan Water Agencies, April 14, 2020.
- “Developing a New Framework for Household Affordability and Financial Capability Assessment in the Water Sector,” prepared for the American Water Works Association, National Association of Clean Water Agencies, and the Water Environment Federation, April 17, 2020.
- "Principles of Water Rates, Fees, and Charges," Manual of Water Supply Practice M1, 7th Edition, 2017
- "Financing and Charges for Wastewater Systems," Manual of Practice M27, 4th Edition, 2017
- “New and Emerging Capital Providers for Infrastructure Funding, Project #4617,” Water Research Foundation
- “Rate Approval Process Communication Strategy and Toolkit, Project #4455,” Water Research Foundation, 2016
- “The Effective Water Professional: Leadership, Communication, Management, Finance, and Governance,” Water Environment Federation, 2015
- "Water Capital Financing, Manual of Practice M29," Led the subcommittee involved in updating and publishing a new edition of the M29 Manual
- "Developing Rates for Small Systems M54," Chapter author involved in updating and publishing a new edition of the M54 Manual
- “Financial Management for Water Utilities: Principles of Finance, Accounting, and Management Controls,” American Water Works Association, 2nd Edition, 2012
- “Water Rates, Fees, and the Legal Environment,” American Water Works Association, 2nd Edition, 2010
- "Budgeting and Financial Planning," Wastewater Collection System Management, Manual of Practice No. 7, Chapter 8, Water Environment Federation 2009
- "Maintaining Long Term Financial Health," Talk of the Towns, Association of Towns of the State of New York, 2007

PRESENTATIONS

- “Review of EPA Proposed 2022 Financial Capability Assessment Guidance, presented at the Utility CFO Forum, April 2022.
- “Financial Planning and Using ARPA and ILJA Funds for a Transformative Future,” AWWA Webinar, March 16, 2022.
- “Evaluating Revenue and Financing Considerations. Developing a Financing Strategy in Uncertain Times,” the Utility Management Conference. February 22, 2022.

- “Covid-19’s Financial Impact on Water Utilities,” Webinar Sponsored by American Water Works Association, May 2020.
- “A Path Forward on Affordability,” Utility Leaders Plenary Session at WEFTEC, 2019
- “The Nuts and Bolts of the New Affordability Proposal,” River Rally Conference, 2019
- “Evaluating if Water Service is Affordable – Integrated Planning and Beyond,” American Water Works Association Annual Conference, 2019
- “Strategies and Approaches that Small Utilities Can Use to Improve Success in Funding Deferred Capital Needs,” Utility Management Conference, 2019
- “Asset Bundling, Alternative Financing, and Cold Hard Cash,” American Water Works Association Annual Conference, 2018
- “Sustainability and Implications for Utility Management and Financing,” P3 Water Summit, 2018
- “Innovations in Water Infrastructure Financing – Getting the Right Fit, Water Infrastructure Conference, 2017
- “Rate Approval Process Communication Strategy and Toolkit: Results from WRF 4455,” American Water Works Association Annual Conference, 2017
- “New and Emerging Capital Providers for Infrastructure Funding – Addressing the Infrastructure Gap,” American Water Works Association Annual Conference, 2017
- “Rate Approval Process Communication Strategy and Toolkit: Results from WRF 4455,” American Water Works Association Annual Conference, 2017
- “New and Emerging Capital Providers for Infrastructure Funding,” NACWA Conference, 2017
- “Innovations in Water Infrastructure Financing: Addressing the Infrastructure Gap,” Utility Management Conference, 2017
- “New Capital Providers for Water Infrastructure Funding – Overview,” webinar sponsored by the American Water Works Association, 2016.



Resolution #: R-23-23

Account: 01-60-686000, \$83,520

Approvals: *Author / Manager / Finance / Admin*

D.P. RCB CAP PDM

REQUEST FOR BOARD ACTION

Date: 6/8/2023

Description: To Authorize the Purchase of Two (2) 2023 - 2024 Ford Explorer Sport Utility Vehicles from Roesch Ford of Bensenville, Illinois.

Agenda Section: Administration Committee

Originating Department: Administration

The approved FY 2023/2024 Management Budget includes \$96,000 for the purchase of two (2) 2023-2024 Ford Explorers to be utilized by Engineering staff and field operations.

Staff delivered a Request for Sealed Proposals and delivered it to twelve (12) local Ford dealerships. At the time of the RFP solicitation, several Ford dealerships expressed interest, however only two (2) dealerships submitted a sealed proposal, and the results are listed below:

Company	Cost Proposal
Roesch Ford	\$41,160.00
Rohrman Schaumburg Ford	\$48,120.00

Having followed Commission purchasing procedures, staff is recommending approval of the purchase of the vehicles from Roesch Ford at the proposed cost of \$82,320.00 for both vehicles. The proposal of Roesch Ford did not include documentation fees, license and title fees, or electronic registration fees which have been estimated at \$1,200.00 for both units.

The cost of outfitting the trucks with ancillary equipment is not included in this vehicle purchase; however, it has been included in the FY 2023/2024 Management Budget; this equipment will be purchased and installed separately in accordance with Commission purchasing procedures.

Recommended Motion:

To authorize the purchase of two (2) 2023-2024 Ford Explorers from Roesch Ford of Bensenville Illinois in the estimated amount of \$83,520.00.

DUPAGE WATER COMMISSION

RESOLUTION NO. R-23-23

A RESOLUTION TO AUTHORIZE THE PURCHASE OF TWO (2) 2023 - 2024 FORD EXPLORER SPORT UTILITY VEHICLES FROM ROESCH FORD OF BENSENVILLE, ILLINOIS

WHEREAS, pursuant to Article VIII, Section 4 of the Commission's By-Laws, and as required by State Statute, the Commission solicited sealed proposals to Furnish and Deliver two (2) new and unused 2023-2024 Ford Explorers; and

WHEREAS, on May 31, 2023, two sealed proposals were received; and

WHEREAS, based upon representations made by staff, the Board of Commissioners of the DuPage Water Commission has determined that the proposal of Roesch Ford is most favorable to the interests of the Commission;

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the DuPage Water Commission as follows:

SECTION ONE: The foregoing recitals are hereby incorporated herein and made a part hereof as findings of the Board of Commissioners of the DuPage Water Commission.

SECTION TWO: The DuPage Water Commission hereby approves the purchase of two (2) new and unused 2023-24 Ford Explorers from Roesch Ford for the proposal cost price set forth in Its proposal of \$82,320.00 plus an amount of \$1,200.00 for the estimated expenses related to vehicle documentation, licensing and title.

SECTION THREE: This Resolution shall be in full force and effect from and after its adoption.

	Aye	Nay	Absent	Abstain
Bouckaert, D.				
Cuzzone, N.				
Fennell, J.				
Healy, J.				
Novotny, D.				
Pruyn, J.				
Rush, K.				
Russo, D.				
Saverino, F.				
Suess, P.				
Van Vooren, D.				
Zay, J.				

ADOPTED THIS ___ DAY OF _____, 2023.

James Zay, Chairman

ATTEST:

Danna Mundall, Clerk



Resolution #: R-27-23

Account: N/A

Approvals: *Author / Manager / Finance / Admin*

PDM - - PDM

REQUEST FOR BOARD ACTION

Date: 6/8/2023

Description: **Intergovernmental Escrow Agreement with WaterLink communities**

Agenda Section: Administration Committee

Originating Department: Administration

The communities of Montgomery, Oswego, and Yorkville (the “WaterLink communities”) have petitioned to the Illinois Department of Natural Resources for a Lake Michigan water allocation, to be distributed through the DuPage Water Commission. The IDNR allocation process is expected to be concluded in mid-late summer, 2023. The municipalities of Oswego and Yorkville desire water service commencing in 2027 (Montgomery in 2032).

29 miles of pipeline will need to be constructed along with ancillary water delivery structures and various appurtenances. Due to the size and complexity of the project, DWC staff has regularly engaged with Village Managers of the WaterLink communities to establish project goals and a timeline of critical tasks, including discussion of project financing, execution of a Subsequent Customer Agreement, and commencement of engineering. In previous, smaller projects, a Subsequent Customer Agreement has been executed prior to commencement of engineering work. However, currently DWC is negotiating a Customer Contract extension with current customers, as the current contract expires in February 2024. At the time of contract extension all current customers will become “Contract Customers”, and the WaterLink communities will execute Subsequent Customer Agreements, becoming the first “Subsequent Customers” under the new contract – these contracts are expected to be executed in Q4 2023. Therefore, due to the pending extension of the DWC/Customer Contract, and the desire to provide water service in 2027, initial Phase I Engineering work will precede the execution of the Subsequent Customer Agreement. This approach will take advantage of summer work conditions for field data collection, surveying, and other initial engineering activities.

The entire cost of the new infrastructure to deliver water to the WaterLink communities will be paid for by the municipalities of Montgomery, Oswego, and Yorkville – including the Phase I Engineering costs. In order to provide a mechanism to properly fund the Phase I Engineering work, an

Intergovernmental Agreement has been drafted to establish a funding escrow maintained by DWC and funded by the WaterLink communities. Each of the WaterLink communities have approved the IGA and provided the DWC with executed originals. After DWC approval of the document, but before execution of the Engineering Contract, \$600K will be deposited into the escrow account (\$200K from each community) for the initial funding, followed by additional funds as required.

It should be noted that an IGA amendment is being drafted to provide an update relative to refunding triggers based on cash-flow projections provided with the Engineering contract. Since the IGA in its current form has already been executed by the WaterLink communities, and it is desired to fund the escrow and commence initial engineering work immediately, it is recommended to approve the document in its current approved form at this time, followed by the amendment at a following meeting.

Recommended Motion:

Adopt R-27-23, the Intergovernmental Escrow Agreement with the WaterLink communities of Montgomery, Oswego, and Yorkville.

ESCROW INTERGOVERNMENTAL AGREEMENT

This Escrow Intergovernmental Agreement (the “Escrow Agreement”) is dated the _____ day of _____, 2023 between the Village of Montgomery (“Montgomery”), the Village of Oswego (“Oswego”) and the United City of Yorkville (“Yorkville”) (Oswego, Montgomery and Yorkville are collectively referred to herein as the “Municipalities”) and the DuPage Water Commission, (the “Commission”) a county water commission and public corporation under Division 135 of Article 11 of the Illinois Municipal Code, 65 ILCS 5/11-135-1 *et seq.*, and the Water Commission Act of 1985, 70 ILCS 3720/0.01 *et seq.* (the “Acts”).

WITNESSETH:

WHEREAS, the Commission has been organized under the Acts to supply water within its territorial limits; and

WHEREAS, the Municipalities currently own and operate municipal drinking water systems served by wells which extract source water from the Ironton-Galesville aquifer; and

WHEREAS, the Municipalities are within the territorial limits of the Commission; and

WHEREAS, the Municipalities intend to change from the Ironton-Galesville groundwater source to Lake Michigan source water, through a future water purchase agreement (the “Customer Agreement”) with the DuPage Water Commission, and have applied to the State of Illinois Department of Natural Resources, Office of Water Resources (“IDNR”), for a Lake Michigan Water Allocation Permit (“Permit”); and

WHEREAS, the Municipalities have conducted extensive study and have concluded that the most sustainable alternative water source to serve the Municipalities through the municipal waterworks systems currently serving the Municipalities, as well as any extensions or improvements of those systems (collectively the “Municipal Systems”) is Lake Michigan water from the Commission; and

WHEREAS, the Commission owns and maintains a waterworks system as a supplier of

Lake Michigan water to member customers that contract for such service (“Commission’s Waterworks System”); and

WHEREAS, Oswego seeks to connect to Lake Michigan water through the Commission in 2027, Yorkville in 2030, and Montgomery in 2032; and

WHEREAS, Pending a Permit from the IDNR, the Municipalities seek to connect to Lake Michigan through the DWC; and

WHEREAS, the Commission has entered into a water supply contract with the City of Chicago to purchase Lake Michigan water sufficient to meet the water supply needs of the Commission and its customers; and

WHEREAS, the Commission’s water supply contract with the City of Chicago is set to expire in 2024 and the Commission is 1) exploring an alternative solution to obtaining Lake Michigan water and at the same time, 2) in discussions and negotiations with the City of Chicago for a new water supply agreement; and

WHEREAS, the Municipalities and the Commission are in the process of negotiating Water Purchase and Sale Contracts for the sale of Lake Michigan water to the Municipalities from the Commission’s Waterworks System; and

WHEREAS, the Municipalities and the Commission are in the process of negotiating a Construction Contract for the construction of a transmission line and be directly connected to the Commission’s Waterworks System (the “Direct Connection”), through the construction and extension of the Commission’s water transmission infrastructure as preliminarily described in Exhibit A (the “Transmission Main”), such that the Municipal Systems will connect through the Transmission Main to the Commission’s Waterworks System facilities directly; and

WHEREAS, the Commission will design, construct, own, operate, and maintain the Transmission Main (the “Project”), and;

WHEREAS, the Commission will incur expenses for the design and construction of the Project and the eventual Direct Connections to serve the Municipal System, costs which will include but not be limited to engineering, property acquisition, and easement acquisitions (the “Commission Expenses”); and

WHEREAS, the Municipalities and Commission mutually agree and desire to commence the preliminary engineering design of the Transmission Main and Direct Connections prior to the execution of the Water Purchase and Sale Contracts and Construction Contract in order to accelerate the schedule for the delivery of Lake Michigan water to the Municipalities, and;

WHEREAS, the Commission requires the Municipalities to establish an escrow fund with the Commission as stated herein to provide a funding source for the design engineering portion of the Commission Expenses; and

WHEREAS, pursuant to Article VII, Section 10 of the Illinois Constitution of 1970, and the Intergovernmental Cooperation Act, 5 ILCS 220/1 et seq., the Commission and the Municipalities are authorized to enter into this Escrow Agreement;

NOW, THEREFORE, in consideration of the foregoing recitals and of the mutual covenants and agreements herein contained, the Municipalities and the Commission hereby agree as follows:

AGREEMENT

1. The recitals contained in the Preamble above will become a part of this Escrow Agreement as if fully set forth herein.
2. Escrow Account. Montgomery, Oswego, and Yorkville will each pay the Commission, within thirty (30) days of execution of this Escrow Agreement, Two Hundred Thousand Dollars and No Cents (\$200,000.00) for a total of Six Hundred Thousand Dollars and No Cents (\$600,000.00) in the form of cash to be held by the Commission in escrow (“Escrow Account”).

- a. The Commission will establish a segregated Escrow Account for the sole purpose of funding the Commission Expenses. The Commission will draw from the Escrow Account to pay for or reimburse the design engineering costs of Commission Expenses.
 - b. The Escrow Account will be insured and interest bearing, and the Commission will provide the Municipalities with Quarterly Statements: 1) showing the starting and ending balances for that quarter in the Escrow Account; 2) detailing the design engineering costs of Commission Expenses incurred for that quarter including any amounts received or paid from the Escrow Account. The Municipalities will have the right to conduct audits for three years after the termination of this Escrow Agreement relative to the Escrow Account.
 - c. The Commission will keep a record of all pay requests from the Escrow Account for reimbursement of Commission Expenses incurred (the “Pay Request”) and sufficient documentation of the Commission Expenses incurred in support of the Pay Request. The documentation will be retained for review by the Municipalities upon request and included within the Quarterly Statements issued by the Commission.
 - d. The Municipalities and the Commission will resolve any Escrow Account disputes using the dispute resolution procedure in Paragraph 6.
3. Termination and Return of Escrow. This Escrow Agreement will terminate, and any monies not paid or incurred for Commission Expenses, including any interest therein will be returned to the Municipalities, unless mutually extended by the Municipalities and the Commission, upon the earlier of:
- a. Two years from the date of this Escrow Agreement;
 - b. Upon the signing of Water Purchase and Sale Agreements between the Commission and the Municipalities for the purchase of water from the Commission; or
 - c. Upon the Municipalities’ written notification to the Commission that they are no longer

pursuing Water Purchase and Sale Agreements with the Commission for the purchase of water from the Commission. Except for a reason other than the denial of a Permit from the IDNR, any withdrawing Municipality will be responsible for any Commission Expenses associated with engineering design incurred to modify engineering designs for the remaining Municipalities.

4. Replenishment of Escrow. If at any time during the term of this Escrow Agreement, the balance in the Escrow Account is less than Two Hundred Thousand Dollars (\$200,000.00), the Commission will notify the Municipalities. Within thirty (30) days of the Commission notifying the Municipalities under this Paragraph 4, Montgomery, Oswego, and Yorkville will each pay the Commission its proportionate or equal share of the request but not to exceed One Hundred Thousand Dollars (\$100,000.00) for deposit into the Escrow Account.
5. Progress Review: The DWC will follow generally accepted engineering principles and regularly conduct Project progress meetings with the Municipalities to review and seek consensus of the progress of the Project and at each engineering design milestone such as 30, 50, 90% completion.
6. Dispute Resolution. All claims, disputes, and other matters in question among the Municipalities and the Commission arising out of, or relating to, this Agreement shall be decided by arbitration, in accordance with the Arbitration Rules of the American Arbitration Association, unless the Municipalities and the Commission mutually agree otherwise. The award rendered by the arbitrator shall be final, and judgment may be entered on it in accordance with applicable law in the Eighteenth Judicial Circuit, DuPage County, Illinois. Demand for arbitration shall be made in accordance with the notice provisions contained in Paragraph 9 below, with copies sent to the American Arbitration Association.
7. Default. If any Municipality or the Commission defaults in the full and timely performance of any of its obligations hereunder, the non-breaching entity or entities, after first providing written notice to the breaching entity of the event of default and providing the breaching entity

ten (10) days to cure the same, will be entitled to invoke its legal rights and remedies as a result thereof, including, but not limited to, its equitable remedy of specific performance. THE FOREGOING NOTWITHSTANDING, NO ENTITY WILL BE LIABLE TO ANOTHER ENTITY OR ANY OF ITS AFFILIATES, AGENTS, EMPLOYEES OR CONTRACTORS FOR SPECIAL, INDIRECT, EXEMPLARY, INCIDENTAL, PUNITIVE, OR CONSEQUENTIAL DAMAGES.

8. No Third-Party Beneficiaries. There are no third party beneficiaries of this Agreement and nothing in this Agreement, express or implied, is intended to confer on any person other than the Parties hereto (and their respective successors, heirs and permitted assigns), any rights, remedies, obligations or liabilities.
9. Notices. Any notices under this Escrow Agreement will be personally delivered, delivered by the deposit thereof in the U. S. Postal Service, postage prepaid, registered, or certified, return receipt requested, or by overnight courier service to the Party at the address listed below or at another address hereafter designated by notice or by email transmission. Any such notice will be deemed to have been delivered and given upon personal delivery or delivery by a nationally recognized overnight courier service, or deposit with the United States Postal Service or upon receipt of written confirmation that facsimile or email transmission has been successfully completed:

If to the Commission:

Paul D. May, P.E., General Manager
DuPage Water Commission
600 E. Butterfield Road
Elmhurst, IL 60126
Email: may@dpwc.org

With a copy to:

Phillip A. Luetkehans
Luetkehans, Brady, Garner & Armstrong

105 E. Irving Park Road
Itasca, IL 60143
Email: pal@lbgalaw.com

If to the Municipalities:

Village Manager
Village of Oswego
100 Parkers Mill
Oswego, IL 60543

Village Manager
Village of Montgomery
200 N River Street
Montgomery, IL 60538

City Manager
United City of Yorkville
800 Game Farm Road
Yorkville, IL 60560

With a copy to:

Irene Schild Caminer
Caminer Law, LLC
2612 W. Sunnyside Ave.
Chicago, IL 60625

10. Miscellaneous.

- a. Except as provided herein, the Municipalities and the Commission will assign this Escrow Agreement or any right or privilege any Municipalities and the Commission may have under this Escrow Agreement without the prior written consent of all Parties hereto, not to be unreasonably withheld conditioned or delayed.
- b. This Escrow Agreement will be governed by the internal laws of the State of Illinois.

- c. The person(s) executing this Escrow Agreement on behalf of the Parties hereto warrant that: (i) such each Municipality and the Commission are duly organized and existing; (ii) the individual signing is duly authorized to execute and deliver this Escrow Agreement on behalf of said Municipality or the Commission; (iii) by so executing this Escrow Agreement, such Municipality and the Commission are formally bound to the provisions and conditions contained in this Escrow Agreement; and (iv) the entering into this Escrow Agreement by a Municipality and the Commission does not violate any provision of any other agreement to which said Municipality and the Commission is bound.
- d. Each Municipality and the Commission acknowledge that it may be necessary to execute documents other than those specifically referred to herein in order to complete the objectives and requirements that are set forth in this Escrow Agreement. Each Municipality and the Commission hereby agree to cooperate with each other by executing such other documents or taking such other actions as may be reasonably necessary to complete the objectives and requirements set forth herein in accordance with the intent of each Municipality and the Commission as evidenced by this Escrow Agreement.
- e. This Escrow Agreement is the entire agreement between the Municipalities and the Commission regarding its subject matter and may not be changed or amended except pursuant to a written instrument signed by each Municipality and the Commission.
- f. This Escrow Agreement may be executed in any number of identical counterparts each of which will be considered an original but which together will constitute one and the same Agreement.

IN WITNESS WHEREOF, each Municipality and the Commission hereto have caused their respective corporate names to be subscribed hereto and their respective corporate seals to be affixed hereto and attested by their duly authorized officers, all on the date set opposite their respective corporate names.

ATTEST:

DuPage Water Commission

BY: _____

ATTEST:

Village of Montgomery

BY: _____

ATTEST:

Village of Oswego

BY: _____

ATTEST;

United City of Yorkville

BY: _____



M-O-Y LAKE MICHIGAN WATER EXTENSION
Milestone Targets

Meeting Objective: *Develop target milestone schedule to ensure common understanding of critical tasks, activities, schedules, and responsible parties; reduce uncertainty relative to complex sequence of events; identify reasonable and achievable schedule to guide meaningful progress and ultimate successful completion of project; provide for documentation of program plan and continuity among stakeholders.*

MILESTONE	TARGET DATE
MOY IDNR Allocation	1/1/2023 – 8/1/2023
M-O-Y governance & legal documents (MOU external to DWC)	3/1/2023
DRAFT MOY / DWC Agreement – Escrow IGA	3/15/2023
—DWC Source Water Study Complete	3/1/2023
Engineering Team Selection, Escrow in place	6/15/23
MOY/DWC Subsequent Customer Contracts Complete	8/1/2023
WIFIA/SRF Financing Target	9/1/2023
DWC Existing Customer Contracts Complete	12/1/2023 – (TARGET 8/1/2023)
Preferred Route Determined	Q1/2024
All Financing instruments assembled	Q1/2024
Property / Easement Acquisition Complete	12-18 MONTHS, 1/1/2025
Construction Document Engineering (PSE/Phase II)	12 MONTHS, 1/1/2025
MOY / DWC Pipeline Construction	24-36 months, EOCS '27
MOY / DWC Connection Facilities (Metering Stations Construction)	24-36 months, EOCS '27
Montgomery local watermain work complete	TBD, target EOCS '30
Oswego local watermain work complete	TBD, possible EOCS '26
Yorkville local watermain work complete	TBD, possible EOCS '26
Lake Michigan water service to MOY available	Oswego/Yorkville 2027; M 2032



Resolution #: R-24-23

Account: 01-60-663200, 01-60-751200

Approvals: *Author / Manager / Finance / Admin*

JH RCB CAP PDM

REQUEST FOR BOARD ACTION

Date: 6/8/2023

Description: **A Resolution Approving a First Amendment to Task Order No. 6 under a Master Contract with DeLasCasas CP, LLC**

Agenda Section: Engineering & Construction

Originating Department: Engineering

The Commission entered into a Master Contract with DeLasCasas CP, LLC for professional engineering services on August 23rd, 2021 in connection with such discrete projects as are delineated and described in Task Orders to be approved by the Commission. On October 20, 2022, the Commission approved R-59-22, Task Order No. 06 with DeLasCasas CP, LLC, for feasibility testing and design for Corrosion Mitigation on TIB-01/03. Resolution No. R-24-23 would approve A First Amendment to Task Order No. 06 for additional design services, residential engineering, and commissioning services of a new cathodic protection system on the Inner Belt Transmission Main (TIB-01/03).

While performing the annual 2021 Closed Interval Survey, the staff found that the 72" diameter steel transmission main was not receiving adequate cathodic protection in accordance with industry standards (Association for Materials Protection and Performance, formerly NACE). Task Order No. 06 enabled DeLasCasas CP, LLC to perform additional testing on the transmission main and to design a new CP system that would adequately protect the pipe from corrosion. Upon testing, DeLasCasas determined a rectified system was not feasible in this application and multiple sacrificial anode sites would need to be designed instead. First Amendment to Task Order No. 06 would also authorize DeLasCasas to provide resident engineering and commissioning services.

Approval of this resolution would increase the cost by \$62,500 and revising the not-to-exceed cost for Task Order No. 06 to \$102,600.

Recommended Motion:

To adopt Resolution No. R-24-23.

DUPAGE WATER COMMISSION

RESOLUTION NO. R-24-23

A RESOLUTION APPROVING A FIRST AMENDMENT TO TASK ORDER NO. 06 UNDER A MASTER CONTRACT WITH DELASCASAS CP, LLC.

WHEREAS, the DuPage Water Commission (the “Commission”) entered into a contract with DeLasCasas CP, LLC (the “Consultant”) to provide, from time to time, professional engineering services in connection with various projects of the Commission (the “Master Contract”); and

WHEREAS, the Master Contract sets forth the terms and conditions pursuant to which the Commission will obtain from time to time, and the Consultant will provide from time to time, professional engineering services for such discrete projects as are delineated and described in Task Orders to be approved by the Commission and the Consultant; and

WHEREAS, pursuant to Resolution No. R-59-22, the Commission approved Task Order No. 6 to the Master Contract for Professional Engineering Services for the DuPage Water Commission; and

WHEREAS, the Commission and Consultant desire to further amend Task Order No. 06 to the Master Contract to add to the scope of work for Design, Resident Engineering, and Commissioning Services and to increase the not-to-exceed cost of the services, the Board of Commissioners of the DuPage Water Commission hereby finding and determining, based upon the representations of staff and consultant that the circumstances said to necessitate the changes were not reasonably foreseeable at the time Task Order No. 06 was signed, the changes are germane to the Task Order as signed, and/or the changes are in the best interest of the DuPage Water Commission and authorized by law; and

WHEREAS, the Consultant has approved the First Amendment to Task Order No. 06 attached hereto and by this reference incorporated herein and made a part hereof as Exhibit 1;

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the DuPage Water Commission as follows:

SECTION ONE: The foregoing recitals are incorporated herein and made a part hereof as findings of the Board of Commissioners of the DuPage Water Commission.

SECTION TWO: The Task Orders attached hereto as Exhibit 1 shall be and hereby are approved and, if already issued, ratified because the Board of Commissioners of the DuPage Water Commission has determined, based upon the representations of Staff and the Consultant, that the circumstances said to necessitate the Task Orders were not reasonably foreseeable at the time the Master Contract was signed, the Task Orders are germane to the Master Contract as signed, and/or the Task Orders are in the best interest of the DuPage Water Commission and authorized by law.

SECTION THREE: This Resolution shall be in full force and effect from and after its adoption.

	Aye	Nay	Absent	Abstain
Bouckaert, D.				
Cuzzone, N.				
Fennell, J.				
Healy, J.				
Novotny, D.				
Pruyn, J.				
Rush, K.				
Russo, D.				
Saverino, F.				
Suess, P.				
Van Vooren, D.				
Zay, J.				

ADOPTED THIS ___ DAY OF _____, 2023.

James Zay, Chairman

ATTEST:

Danna Mundall, Clerk

EXHIBIT 1

FIRST AMENDMENT TO TASK ORDER NO. 06

In accordance with Section 1.1 of the Master Contract between the DuPage Water Commission (“Owner”) and with DeLasCasas CP, LLC (“Consultant”), for Professional Engineering Services dated August 23, 2021 (the “Contract”), Owner and Consultant agree to amend, effective June 16, 2023, Task Order No. 06 for Corrosion Mitigation on TIB-01/03,

1. **Project:**

Perform Feasibility Testing, Design, Resident Engineering, and Commissioning of a Cathodic Protection System for the Inner Belt Transmission Main (Contract TIB-01/03) as delineated in the proposal from DeLasCasas CP, LLC dated September 22nd, 2022, and as modified by DeLasCasas’s proposals dated May 25, 2023.

2. **Services of Consultant:**

Section 2 entitled “Services of Consultant” of Task Order No. 6 shall be replaced in its entirety as follows:

“A. Feasibility Testing:

1. All anodes will be disconnected prior to the start of this project.
 - A. Measure and record the potential and current at the Test Station with sacrificial anode systems and disconnect the anodes.
 - B. Leave the anodes disconnected from the pipeline. After two weeks, measure depolarized pipe and anode to soil potentials at all the Test Station.
2. Perform current requirement testing at three locations along the pipeline route.
 - A. Use portable power source and anodes and the existing sacrificial anode to inject current on the pipeline.
 - B. Measure On-Off close and remote potentials at consecutive Test Station at both sides from the location of the provisional CP systems.
 - C. These testing will validate or update the original design proposed on the pipeline alignment sheets for pipeline installation, in relation to the pipeline cathodic protection system.
3. Measure soil resistivities at six locations on the pipeline ROW and three locations for new possible sacrificial anode systems (SAS).

- B. Design of Cathodic Protection System:
1. Based on the results of the current requirement testing, soil resistivity, and original sacrificial anodes distribution, design 3 test wells to determine the requirements for a galvanic CP system. Engineer shall include:
 - A. Sacrificial Anode System or Impressed Current System design calculations.
 - B. Constructability Study for the selected sites.
 - C. Installation drawing for the CP systems.
 - D. Bill of materials and material specifications for selected sites.
 2. Perform field visits for assessment at the first three test wells. Engineer shall include:
 - A. Synchronized interruption of the three sites.
 - B. Pipe to soil potentials at all the TIB Test Station, On & Off.
 - C. 3D plot of the obtained potentials.
 - D. Comparison of the polarization potentials with the old survey data.
 - E. Determination of which sites are needed from the following:
 - 1) Stationing 22+70, GPS 41.864968° -87.958823°
 - 2) Stationing 27+57, GPS 41.865880° -87.960000°
 - 3) Stationing 34+89, GPS 41.867414° -87.960556°
 - 4) Stationing 43+50, GPS 41.870163° -87.960928°
 - 5) Stationing 49+33, GPS 41.871751° -87.960949°
 - 6) Stationing 57+05, GPS 41.873587° -87.960959°
 - 7) Stationing 80+40, GPS 41.880393° -87.961157°
 - 8) Stationing 91+50, GPS 41.883369° -87.961113°
 - 9) Stationing 104+15, GPS 41.886378° -87.959033°
 3. Additional design documentation for anode sites as required. Engineer shall include:
 - A. Review of current requirements.
 - B. Design calculations to adjust the number of anodes/sites.
 - C. Installation drawings per site and bill of materials for installation.
- C. Resident Engineering and Commissioning Services:

1. Field visits during installation.

A. Inspect sacrificial anode system (SAS) installation to ensure the contractor follows installation drawings, specifications, and materials quality.

(1) Respond to any questions from the installation contractor or client's representative.

(2) Facilitate understanding of the installation drawings and preliminary testing of the installation materials as required.

2. Commissioning of the SAS

A. Visit each site and perform evaluation of:

(1) Record the sub-meter GPS of the beginning and end of the ground bed and connections to the pipeline.

(2) SAS ground bed resistance to remote earth measurements.

(3) Current returning to the SAS from the pipeline.

(4) Potentials to portable reference cell of the coupon components, anodes and structure with anodes disconnected.

(5) Potentials to stationary reference cell of the coupon components at the moment when the anodes are connected to the pipeline and two days after.

(a) A data logger will be connected for 48 hours to assess the level of polarization reached after the SAS is connected to the pipeline.

(6) As-built drawings preparation.

(7) Provide a commissioning report with conclusions and recommendations.

D. Additional Services:

None"

3. **Completion Date:**

Section 5, entitled "Completion Date" of Task Order No. 6 shall be amended in its entirety so that said Section 5 shall hereafter be and read as follows:

"5. Completion Date:

10/1/2023 plus extensions, if any, authorized by a Change Order issued pursuant to Section 2.1 of the Contract."

4. **Contract Price:**

Section 8, entitled "Contract Price" of Task Order No. 6 shall be amended in its entirety so that said Section 8 shall hereafter be and read as follows:

"8. Contract Price:

For providing, performing, and completing each phase of Services, an amount equal to Consultant's Direct Labor Costs opposite each such phase, plus an amount equal to the actual costs of all Reimbursable Expenses, but not to exceed, in each phase of Services, the following not to exceed amount set forth opposite each such phase except as adjusted by a Change Order issued pursuant to Section 2.1 of the Contract.

Feasibility Testing	\$15,600.00
Design of 3 Test Wells and CP System	\$43,000.00
Resident Engineering and Commissioning of 3 Test Wells and CP System	\$44,000.00

The Effective Date of this Task Order is June 16, 2023.

DUPAGE WATER COMMISSION

By: _____
Paul D. May, P.E.
General Manager

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

Name: Jessica Haney
Title: Project Engineer
Address: 600 East Butterfield Road, Elmhurst, Illinois 60126-4642
E-mail Address: haney@dpwc.org
Phone: (630) 834-0100
Fax: (630) 834-0120

DELASCASAS CP, LLC

By: _____
Jennifer De Las Casas
LLC Managing Member

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

Name: Rogelio De Las Casas
Address: 111 Ambassador Ave, Romeoville, Illinois, 60446
E-mail Address: rogelio@delascasascp.com
Phone: (312) 835-0272



Resolution #: R-25-23

Account: 01-60-751200 \$72,520.00

Approvals: *Author / Manager / Finance / Admin*

JH RCB CAP PDM

REQUEST FOR BOARD ACTION

Date: 6/8/2023

Description: **A Resolution Approving First Amendments to Task Order Nos. 06 and 07 under a Master Contract with Northern Inspection Services, LLC**

Agenda Section: Engineering & Construction

Originating Department: Engineering

The Commission entered into a master contract with Northern Inspection Services, LLC (NIS) dated August 23, 2021, for professional engineering services in connection with such discrete projects as are delineated and described in Task Orders to be approved by the Commission. On September 15, 2022, the Commission approved R-55-22, Task Order Nos. 06 and 07 with NIS for feasibility testing and design for Corrosion Mitigation on The South Transmission Main (TS-3/88) and The Outer Belt Transmission Main (TOB-E/87). Resolution No. R-25-23 would approve the First Amendments to Task Order Nos. 06 and 07 under the Master Contract for additional residential engineering and commissioning services of new cathodic protection systems on both TS-3/88 and TOB-E/87.

During the annual closed interval survey (CIS), NIS identified several areas of TS-3/88 and TOB-E/87 that were not receiving adequate cathodic protection as according to industry standards (Association for Materials Protection and Performance, formerly NACE) criteria.

Under Task Order No. 06, NIS performed testing and designed an additional rectified cathodic protection system for TS-3/88 to obtain proper cathodic protection criteria. The First Amendment to Task Order No. 06 would enable NIS to perform resident engineering and commissioning services to install the new rectified system.

Under Task Order No. 07, NIS evaluated several areas of TOB-E/87 that were not receiving adequate cathodic protection due to depleted anodes on the current rectified system. Also under Task Order No. 07, NIS designed replacement anode beds and rectifier systems to replace existing anode beds within the system. The First Amendment to Task Order No. 07 would enable NIS to perform resident engineering and commissioning services to install the new systems.

Resolution R-24-23 would approve the First Amendments to Task Order Nos. 06 and No. 07 to Northern Inspection Services, LLC for the work necessary to perform resident engineering and commissioning of new cathodic protection system for the south and outer belt transmission main.

Approval of this resolution would increase the cost of Task Order No. 06 by \$26,720.00 for a revised cost not-to-exceed of \$41,610.00.

Approval of this resolution would also increase the cost of Task Order No. 07 by \$45,800.00 for a revised cost not-to-exceed of \$70,360.00.

Recommended Motion:

To adopt Resolution No. R-25-23.

EXHIBIT 1

DUPAGE WATER COMMISSION

RESOLUTION NO. R-25-23

A RESOLUTION APPROVING FIRST AMENDMENTS TO TASK ORDER NOS. 06 AND 07
UNDER A MASTER CONTRACT WITH NORTHERN INSPECTION SERVICES LLC.

WHEREAS, the DuPage Water Commission (the "Commission") entered into a contract with Northern Inspection Services, LLC (the "Consultant") to provide, from time to time, professional engineering services in connection with various projects of the Commission (the "Master Contract"); and

WHEREAS, the Master Contract sets forth the terms and conditions pursuant to which the Commission will obtain from time to time, and the Consultant will provide from time to time, professional engineering services for such discrete projects as are delineated and described in Task Orders to be approved by the Commission and the Consultant; and

WHEREAS, pursuant to Resolution No. R-55-22, the Commission approved Task Order Nos. 06 and 07 to the Master Contract for Professional Engineering Services for the DuPage Water Commission; and

WHEREAS, the Commission and Consultant desire to further amend Task Order Nos. 06 and 07 to the Master Contract to add to the scope of work for Resident Engineering and Commissioning Services and to increase the not-to-exceed of the services, the Board of Commissioners of the DuPage Water Commission hereby finding and determining, based upon the representations of Staff and Consultant that the circumstances said to necessitate the changes were not reasonably foreseeable at the time Task Order Nos. 06 and 07 were signed, the changes are germane to the Task Orders as signed, and/or the changes are in the best interest of the DuPage Water Commission and authorized by law; and

WHEREAS, the Consultant has approved the First Amendments to Task Order Nos. 06 and 07 attached hereto and by this reference incorporated herein and made a part hereof as Exhibit 1;

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the DuPage Water Commission as follows:

SECTION ONE: The foregoing recitals are incorporated herein and made a part hereof as findings of the Board of Commissioners of the DuPage Water Commission.

SECTION TWO: The Task Orders attached hereto as Exhibit 1 shall be and hereby are approved and, if already issued, ratified because the Board of Commissioners of the DuPage Water Commission has determined, based upon the representations of Staff and the Consultant, that the circumstances said to necessitate the Task Orders were not reasonably foreseeable at the time the Master Contract was signed,

the Task Orders are germane to the Master Contract as signed, and/or the Task Orders are in the best interest of the DuPage Water Commission and authorized by law.

SECTION THREE: This Resolution shall be in full force and effect from and after its adoption.

	Aye	Nay	Absent	Abstain
Bouckaert, D.				
Cuzzone, N.				
Fennell, J.				
Healy, J.				
Novotny, D.				
Pruyn, J.				
Rush, K.				
Russo, D.				
Saverino, F.				
Suess, P.				
Van Vooren, D.				
Zay, J.				

ADOPTED THIS ___ DAY OF _____, 2023.

James Zay, Chairman

ATTEST:

Danna Mundall, Clerk

FIRST AMENDMENT TO TASK ORDER NO. 06

In accordance with Section 1.1 of the Master Contract between the DuPage Water Commission (“Owner”) and Northern Inspection Services, LLC (“Consultant”) for Professional Engineering Services dated August 23, 2021 (the “Contract”), Owner and Consultant agree to amend, effective June 16, 2023, Task Order No. 06 for Feasibility Testing on TIB-01/03:

1. **Project:**

Section 1 entitled “Project” of Task Order No. 06 shall be amended in its entirety so that said Section 1 shall hereafter be and read as follows:

“Perform Feasibility Testing, Design, Resident Engineering, and Commissioning for a new cathodic protection system for areas not meeting AMPP’s cathodic protection criteria on the South Transmission Main (TS-3/88), based upon Northern Inspection Service’s proposal 22-465P dated August 30, 2022, and as modified by Northern Inspection Service’s proposal dated June 5, 2023.”

2. **Services of Consultant:**

Section 2 entitled “Services of Consultant” of Task Order No. 6 shall be amended in its entirety that said Section 2 shall hereafter be and read as follows:

“A. Feasibility Testing and Troubleshooting Services to include:

1. Mobilization at all project locations with proper cathodic protection testing equipment.
2. Performance of field testing to determine whether the DWC main is shorted to the casing across 75th street.
3. Performance of current requirement testing to determine if the potentials on Tanksite #4 feeder main can be improved if a casing short exists.
4. Performance of current requirement testing near the river and short locating at the meter station west of the river to determine if potentials can be improved.
5. Preparation, for review and approval of DWC Staff, of a report summarizing the inspections. The report shall include as found and as left conditions, a summary of the results of data obtained during testing, and recommendations.

B. Resident Engineering and Commissioning

1. Provide construction oversight and commissioning of two (2) new CP systems for an estimated time period of 12 days.
 - A. Mobilize at project locations.
 - B. Oversee and verify construction and installation procedures.

- C. Perform commissioning of newly installed CP systems to ensure they are meeting AMPP criteria.
- D. Provide updated as-built drawings.
- E. Provide final reports.

C. Additional Services
None”

3. **Completion Date:**

Section 5, entitled “Completion Date” of Task Order No. 06 shall be amended in its entirety so that said Section 5 shall hereafter be and read as follows:

“5. Completion Date:

11/1/2023 plus extensions, if any, authorized by a Change Order issued pursuant to Section 2.1 of the Contract.”

4. **Contract Price:**

Section 8, entitled “Contract Price” of Task Order No. 06 shall be amended in its entirety so that said Section 8 shall hereafter be and read as follows:

“8. Contract Price:

For providing, performing, and completing each phase of Services, an amount equal to Consultant’s Direct Labor Costs opposite each such phase, plus an amount equal to the actual costs of all Reimbursable Expenses, but not to exceed, in each phase of Services, the following not to exceed amount set forth opposite each such phase except as adjusted by a Change Order issued pursuant to Section 2.1 of the Contract.

Feasibility Testing	\$14,890.00
Resident Engineering and Commissioning	\$26,720.00
Task Order Not-To-Exceed	<hr style="width: 100%; border: 0.5px solid black;"/> \$41,610.00”

FIRST AMENDMENT TO TASK ORDER NO. 06

In all other respects, Task Order No. 06 to the Contract shall remain in full force and effect, and Task Order No. 06 to the Contract shall be binding on both parties as hereinabove amended.

The Effective Date of this Task Order is June 16, 2023.

DuPAGE WATER COMMISSION

By: _____
Paul D. May, P.E., General Manager

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

Name: Jessica Haney
Title: Project Engineer
Address: 600 East Butterfield Road, Elmhurst, Illinois 60126-4642
E-mail Address: haney@dpwc.org
Phone: (630) 834-0100

NORTHERN INSPECTION SERVICES, LLC

By: _____
Veronica Huckstorf, President

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

Name: Ron Turner
Title: Project Manager
Address: 95 Center Drive, Gilberts IL, 60136
E-mail Address: ron.turner@nismidwest.com
Phone: (630) 399-3212

FIRST AMENDMENT TO TASK ORDER NO. 07

In accordance with Section 1.1 of the Master Contract between the DuPage Water Commission (“Owner”) and Northern Inspection Services, LLC (“Consultant”) for Professional Engineering Services dated August 23, 2021 (the “Contract”), Owner and Consultant agree to amend, effective June 16, 2023, Task Order No. 07 for Feasibility Testing on TOB-E/87:

1. **Project:**

Section 1 entitled “Project” of Task Order No. 07 shall be amended in its entirety so that said Section 1 shall hereafter be and read as follows:

“Perform Feasibility Testing, Design, Resident Engineering, and Commissioning for a new cathodic protection system for areas not meeting AMPP’s cathodic protection criteria on the Outer Belt Transmission Main (TOB-E/87), based upon Northern Inspection Service’s proposal 22-475P dated August 30, 2022, and as modified by Northern Inspection Service’s proposal dated June 5, 2023.”

2. **Services of Consultant:**

Section 2 entitled “Services of Consultant” of Task Order No. 07 shall be amended in its entirety that said Section 2 shall hereafter be and read as follows:

“A. Feasibility Testing and Troubleshooting Services to include:

1. Mobilization at all project locations with proper cathodic protection testing equipment.
2. Attempting to locate the anode header cable break at Rectifier #7. If header cable break cannot be found, NIS shall perform current requirement testing and determine if a replacement ground bed should be installed.
3. Performance of current requirement testing between stationing 261+00 and 286+00; determine if additional cathodic protection system should be installed near this location.
4. Preparation, for review and approval of DWC Staff, of a report summarizing the inspections. The report shall include as found and as left conditions, a summary of the results of data obtained during testing, and recommendations.

B. Resident Engineering and Commissioning

1. Provide construction oversight and commissioning of 4 new CP systems for an estimated time period of 36 days.

- A. Mobilize at project locations.
- B. Oversee and verify construction and installation procedures.
- C. Perform commissioning of newly installed CP systems to ensure they are meeting AMPP criteria.
- D. Provide updated as-built drawings.
- E. Provide final reports.

C. Additional Services

None”

3. **Completion Date:**

Section 5, entitled “Completion Date” of Task Order No. 07 shall be amended in its entirety so that said Section 5 shall hereafter be and read as follows:

“5. Completion Date:

11/1/2023 plus extensions, if any, authorized by a Change Order issued pursuant to Section 2.1 of the Contract.”

4. **Contract Price:**

Section 8, entitled “Contract Price” of Task Order No. 07 shall be amended in its entirety so that said Section 8 shall hereafter be and read as follows:

“8. Contract Price:

For providing, performing, and completing each phase of Services, an amount equal to Consultant’s Direct Labor Costs opposite each such phase, plus an amount equal to the actual costs of all Reimbursable Expenses, but not to exceed, in each phase of Services, the following not to exceed amount set forth opposite e each such phase except as adjusted by a Change Order issued pursuant to Section 2.1 of the Contract.

Feasibility Testing	\$14,560.00
Resident Engineering and Commissioning	\$45,800.00
Task Order Not-To-Exceed	<hr/> \$72,520.00”

FIRST AMENDMENT TO TASK ORDER NO. 07

In all other respects, Task Order No. 07 to the Contract shall remain in full force and effect, and Task Order No. 07 to the Contract shall be binding on both parties as hereinabove amended.

The Effective Date of this Task Order is June 16, 2023.

DUPAGE WATER COMMISSION

By: _____
Paul D. May, P.E.
General Manager

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

Name: Jessica Haney
Title: Project Engineer
Address: 700 East Butterfield Road, Elmhurst, Illinois 60126-4742
E-mail Address: haney@dpwc.org
Phone: (630) 834-0100

NORTHERN INSPECTION SERVICES, LLC

By: _____
Veronica Huckstorf, President

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

Name: Ron Turner
Title: Project Manager
Address: 95 Center Drive, Gilberts IL, 60136
E-mail Address: ron.turner@nismidwest.com
Phone: (630) 399-3212



Resolution #: R-26-23

Account: 01-60-722300 \$53,700.11

Approvals: *Author / Manager / Finance / Admin*

JH RCB CAP PDM

REQUEST FOR BOARD ACTION

Date: 6/8/2023

Description: **A Resolution Approving and Ratifying Certain Change Orders for a Contract for the Construction of DPPS Emergency Generation System Modifications (Contract PSD-10/22)**

Agenda Section: Engineering & Construction

Originating Department: Engineering

Change Order No. 2 to the Contract for the Construction of DPPS Emergency Generation System Modifications (Contract PSD-10/22)

Change Order No. 2 would authorize, at a net increase in the Contract Price of \$53,700.11, due to the need to furnish and install thermal insulated wall panels for the Outside Air intake plenums in lieu of galvanized ductwork with insulation as specified by the Engineer. The Commission's Emergency Generation System's existing Outside Air intake plenum is constructed of thermal insulated wall panels and the extension of the plenums within the modified facilities should match existing, which will also assist in mitigating impacts of condensation. The thermal insulated wall panels were unintentionally omitted from the Engineer's Bidding Documents.

Approval of this Change Order would increase the net Contract Price by \$53,700.11 revising the Contract Price from \$4,210,500.46 to \$4,264,200.57 for a 2.78% net overall increase from the Original Contract Price including all previous Change Orders. Approval of this Change Order will not impact the amended Contract Completion Date. Approval of this Change Order does not authorize or necessitate a change in the Contract Price that is 50% or more of the original Contract Price nor, based upon the Contractor's sworn certification, authorize, or necessitate an increase in the price of any subcontract under the Contract that is 50% or more of the original subcontract price.

Recommended Motion:

To approve Resolution R-26-23.

DUPAGE WATER COMMISSION

RESOLUTION NO. R-26-23

**A RESOLUTION APPROVING AND RATIFYING CERTAIN CHANGE ORDERS TO A CONTRACT FOR THE
CONSTRUCTION OF THE DPPS EMERGENCY GENERATION SYSTEM MODIFICATIONS
(CONTRACT PSD-10/22)**

BE IT RESOLVED by the Board of Commissioners of the DuPage Water Commission as follows:

SECTION ONE: The Change Orders set forth on Exhibit 1, attached hereto and by this reference incorporated herein and made a part hereof, shall be and hereby are approved and, if already issued, ratified because the Board of Commissioners of the DuPage Water Commission has determined, based upon the representations of staff, the Engineers and the Contractors, that the circumstances said to necessitate the changes were not reasonably foreseeable at the time the contracts were signed, the Change Orders are germane to the original contracts as signed and/or the Change Orders are in the best interest of the DuPage Water Commission and authorized by law.

SECTION TWO: This Resolution shall constitute the written determination required by Section 33E-9 of Article 33E of the Criminal Code of 1961 and shall be in full force and effect from and after its adoption.

	Aye	Nay	Absent	Abstain
Bouckaert, D.				
Cuzzone, N.				
Fennell, J.				
Healy, J.				
Novotny, D.				
Pruyn, J.				
Rush, K.				
Russo, D.				
Saverino, F.				
Suess, P.				
Van Vooren, D.				
Zay, J.				

ADOPTED THIS ____ DAY OF _____, 2023.

James Zay, Chairman

ATTEST:

Danna Mundall, Clerk

Board/Resolutions/2023/R-26-2023

EXHIBIT 1

DuPAGE WATER COMMISSION
CHANGE ORDER

SHEET 1 OF 2

PROJECT NAME: PSD-10 DPPS Emergency Generation System Modifications

CHANGE ORDER NO. 02

LOCATION: DuPage County, Illinois

CONTRACT NO. PSD-10/22

CONTRACTOR: Joseph J. Henderson & Son, Inc.

DATE: 6/16/23

I. A. DESCRIPTION OF CHANGES INVOLVED:

Furnish and install thermal wall panels for the Outside Air Intake Plenum in lieu of galvanized ductwork with insulation.

B. REASON FOR CHANGE:

The Commission's Emergency Generation System's existing Outside Air intake plenum is constructed of thermal insulated wall panels and the extension of the plenums within the modified facilities should match existing. The thermal insulated wall panels were unintentionally omitted from the Engineer's Bidding Documents.

C. REVISION IN CONTRACT PRICE:

<u>Item</u>	<u>Description</u>	<u>Cost Increase</u>	<u>Time Extension</u>
1	Insulated Wall Panels for Outside Air Plenum	\$53,700.11	0 Days

II. CHANGE ORDER CONDITIONS:

1. The Contract Period established in the Contract, as signed or as modified by previous Change Orders shall remain unchanged as February 24, 2024.
2. Any Work to be performed under this Change Order shall be provided, performed, and completed in full compliance with, and as required by or pursuant to, the Contract, including any Specifications and Contract Drawings for the Work to be performed under this Change Order and for Work of the same type as the Work to be performed under this Change Order, and as specified in the preceding "Description of Changes Involved."
3. Unless otherwise provided herein, all Work included in this Change Order shall be guaranteed and warranted as set forth in, and Contractor shall not be relieved from strict compliance with, the guaranty and warranty provisions of the Contract.
4. All Work included in this Change Order shall be covered under the Bonds and the insurance coverages specified in the Contract. If the Contract Price, including this Change Order, exceeds the Contract

Price set forth in the Contract, as signed, by twenty percent (20%), Contractor shall submit to Owner satisfactory evidence of such increased coverage under the Bonds if requested by Owner.

III. ADJUSTMENTS IN CONTRACT PRICE:

1.	Original Contract Price	\$4,149,000.00
2.	Net Addition due to all previous Change Orders	\$61,500.46
3.	Contract Price, not including this Change Order	\$4,210,500.46
4.	<u>Increase</u> to Contract Price due to this Change Order	\$53,700.11
5.	Contract Price including this Change Order	\$4,264,200.57

RECOMMENDED FOR ACCEPTANCE:

CONSULTING ENGINEERS: Greeley & Hansen LLC

By: _____ ()
Signature of Authorized Representative Date

ACCEPTED: By my authorized signature below, being first duly sworn on oath, I certify on behalf of Contractor that this Change Order does not authorize or necessitate an increase in the price of any subcontract under the Contract that is 50% or more of the original subcontract price.

CONTRACTOR: Joseph J. Henderson & Son, Inc.

By: _____ ()
Signature of Authorized Representative Date

DUPAGE WATER COMMISSION:

By: _____ ()
Paul D. May, PE, General Manager Date



Resolution #: R-28-23

Account: 01-80-852010

Approvals: *Author / Manager / Finance / Admin*

PDM RCB - PDM

REQUEST FOR BOARD ACTION

Date: 6/6/2023
Description: Engineering Contract for WaterLink Pipeline Extension
Agenda Section: Engineering & Construction
Originating Department: Administration

The communities of Montgomery, Oswego, and Yorkville (the “WaterLink Communities”) have petitioned to the Illinois Department of Natural Resources for a Lake Michigan water allocation, to be distributed through the DuPage Water Commission. The IDNR allocation process is expected to be concluded in mid-late summer, 2023. The municipalities of Oswego and Yorkville desire water service commencing in 2027 (Montgomery in 2032).

29 miles of transmission pipeline will need to be constructed along with ancillary water delivery structures and various customary appurtenances. In order to solicit proposals from qualified firms and to ensure compliance with federal funding and WIFIA procedures, a request for proposals was prepared and posted on March 3, and submittals were received on April 7.

Following individual review by seven panelists, three firms were shortlisted based on a rating/scoring rubric. The three shortlisted firms AECOM, Greeley & Hansen, and LAN/Stanley/Robinson provided presentations on May 18th. Each firm provided a 6-person presentation team, with key personnel listed in their proposal and provided a 40-50 minute presentation followed by a 20-30 minute question and answer period.

Following the presentations, the review panel convened to discuss firm qualifications. All panelists noted that each firm was fully qualified and did not indicate a desire to dismiss any firm based on qualifications. It was noted that each firm presented very different concepts regarding the Fox River crossing, and participants indicated a preference for the concept presented by the LAN team relative to construction approach and consideration of operational resiliency. It was noted that all firms presented thoughtful approaches to hydraulics and routing, with LAN providing the most detailed alternate routes - indicating prospective savings of \$10M. After some discussion, the review panel unanimously concurred that the team of LAN/Stanley/Robinson was the most qualified for the work, and General Manager May contacted the firm to request a scope and fee document from for Phase I

Engineering work. A scope and fee document was received from LAN the following week, with a detailed description of project tasks, schedule, manhours, and cost; indicating a cost for Phase I Engineering in the amount of \$4.27M. It is expected that engineering services (Phase I, Phase II, & Phase III) for a project of this nature would be between 8% - 12%; therefore the proposed price for the Phase I Engineering is at the range that should be expected (total estimated project cost ~\$150 - 170M).

Staff has engaged LAN to refine and clarify the scope, and the recommended task order is attached hereto. DWC has engaged the WaterLink communities in a review of the selected firm, project scope, and cost, and the communities concur with the recommended award of the contract to the preferred vendor, LAN, at the indicated cost. LAN currently has an active Master Services Agreement with the Commission, as do subconsultants Robinson Engineering and Stanley Engineering. This contract will be constructed as Task Order #2 under the existing MSA with LAN, with Robinson and Stanley as subconsultants.

The engineering work will be paid for through a companion IGA which establishes an escrow funded by the WaterLink communities at an initial funding level of \$600K. At the time the IGA was drafted, it was anticipated to serve as a gap-funding mechanism for the period before the approval of the Subsequent Member Agreement. However, due to the timing of the initial engineering/surveying field work during the summer months, much of the engineering cost will be realized prior to the approval of a Subsequent Customer Agreement. Therefore, this contract will include two approvals, the first approval in an amount not to exceed the original escrow funding level of \$600K, and a second action by the Board of Commissioners (likely in July, or direction to the Board Chairman) to authorize the full contract amount - and accompanied by an amended IGA for the same purpose.

Recommended Motion:

It is recommended to approve Resolution R-28-23, authorizing the Engineering Contract in substantially the form attached with LAN Engineering for Phase I Engineering in an initial authorized amount of \$600K.

DUPAGE WATER COMMISSION

RESOLUTION NO. R-28-23

A RESOLUTION TO AUTHORIZE TASK ORDER #2 UNDER A MASTER SERVICES AGREEMENT WITH LAN ENGINEERING FOR PHASE I ENGINEERING OF A WATER TRANSMISSION MAIN TO THE COMMUNITIES OF MONTGOMERY, OSWEGO, AND YORKVILLE

WHEREAS, the DuPage Water Commission, (the "Commission") is a county water commission and public corporation under Division 135 of Article 11 of the Illinois Municipal Code, 65 ILCS 5/11-135-1 et seq., and the Water Commission Act of 1985, 70 ILCS 3720/0.01 et seq. (the "Acts") which provides water to various municipal customers;

WHEREAS, the Village of Montgomery ("Montgomery"), the Village of Oswego ("Oswego") and the United City of Yorkville ("Yorkville") (Oswego, Montgomery and Yorkville are collectively referred to herein as the "Municipalities") desire to connect to the Commission's waterworks system to supply Lake Michigan water to their communities;

WHEREAS, the Commission has a Master Contract with Lockwood, Andrews & Newnam, Inc. ("LAN") for general engineering services;

WHEREAS, the Commission desires that LAN begin preliminary engineering work related to determining the route and designing a transmission line to connect the Commission's waterworks system to the Municipalities;

WHEREAS, Task Order Number 2 relates to certain Phase I Engineering work related to route determination and design;

WHEREAS, future Task Orders for additional work related to determining the route and designing the water transmission line will be required;

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the DuPage Water Commission as follows:

SECTION ONE: The Board of Commissioners of the DuPage Water Commission hereby approves Task Order Number 2 attached hereto as Exhibit A and authorizes the Chairman to execute on behalf of the DuPage Water Commission Task Order Number 2 for route determination and design work, and to take whatever steps necessary to effectuate the terms of said Task Order.

SECTION TWO: This Resolution shall be in full force and effect from and after its adoption.

	Aye	Nay	Absent	Abstain
Bouckaert, D.				
Cuzzone, N.				
Fennell, J.				
Healy, J.				
Novotny, D.				
Pruyn, J.				
Rush, K.				
Russo, D.				
Saverino, F.				
Suess, P.				
Van Vooren, D.				
Zay, J.				

ADOPTED THIS ___ DAY OF _____, 2023.

James Zay, Chairman

ATTEST:

Danna Mundall, Clerk

EXHIBIT E

SCOPE OF SERVICES

In accordance with Section 1.1 of the Master Contract for Professional Engineering Services dated May 21, 2013, and Task Order No. 2, Owner and Consultant agree as follows:

- 1.0 Project: Water Transmission Main to the Municipalities of Montgomery, Oswego, and Yorkville, known as the WaterLink Communities and as more fully described in the Request for Qualifications.

Consultant will be contracting directly with primary subconsultants, Stanley Consultants, Inc. (SCI) and Robinson Engineering, Ltd. (REL) under individual subconsultant agreements. Additional subconsultants required for additional services will be contracted directly with SCI and REL.

Phase I Engineering services will consist of assessment and final determination of the water transmission main routing and connection points. Services will include geographical, environmental, cultural, and geological studies as well as evaluation of regulatory and inter-governmental agreement considerations. This phase of service includes establishment of design parameters such as intended design flows, pressures, and velocities, as well as consideration of options for construction, pipe materials, diameters, appurtenances, cathodic protection, and bury depths and soil conditions. Early engagement with property owners, regulatory agencies, and stakeholders, (e.g., WaterLink Communities and local municipalities), departments of transportation, and public and private utility agencies with conflicting infrastructure will be a key component of Phase I. Recommendations will comply with Federal funding requirements.

A Project Development Report (PDR) will be prepared documenting the recommended approach based upon the Phase I activities, as well as an Engineer's Preliminary Opinion of Probable Construction Cost (OPCC). Phase I engineering services will include recommendations on final routing, construction phasing/sequencing, materials of construction, construction bid packaging and consideration of conventional design-bid-build vs. alternative delivery approaches. Consultant services are outlined in Section 2.0 below.

Phase II Engineering will include final preparation of plans, specifications, Engineer's opinions of probable construction cost, and Bid Phase services, including preparation of conformed construction documents. Deliverables will include detailed design drawings, project specifications and contract documents suitable for solicitation of construction bids and for utilization in implementing the project design into a constructed and fully commissioned project. Deliverables will be in accordance with applicable AWWA, IEPA, IDNR, and DOT requirements, including federal and state standards necessary for utilization of federal funds at the time of this Agreement. Phase II Engineering will include final acquisition of all easements, parcels, rights-of-way, and permits from pertinent regulatory agencies necessary based upon the scope of work, however, excludes professional services related to land condemnation proceedings if needed (these would be provided as Additional Services).

2.0 Consultant Services:

A. Phase I Services:

1. Task 1 – Project Management
 - a. Organize and manage the project team.
 - b. Prepare the project schedule for review with the DuPage Water Commission (“DWC”) and maintain the schedule throughout the course of the project.
 - c. Prepare and maintain management schedule listing DWC and Consultant’s responsibilities and milestones.
 - d. Monitor estimates of probable cost as changes or additions are made throughout the project.
 - e. Maintain project records, decision logs, and files.
 - f. Maintain and encourage communications between all parties.
2. Task 2 – Stakeholder Meetings and Data Collection:
 - a. DWC Project Kick-off and Progress Meetings: The project kick-off meeting will be used to clarify DWC requirements for the project, overall project schedule, critical project needs and best methods of communication for meetings and updates. Document control and file sharing will be discussed and addressed. Monthly meetings will be held for updates on progress and decision making. Bi-weekly or individual meetings will be scheduled during critical periods of design or as needed. Twenty (20) meetings are planned with DWC for Phase I services. Up to five (5) workshops will be held with DWC for discussion of the following: pipe materials, valves, Fox River crossing, 75th Street / Book Road connection, and route selections.
 - b. Coordination with WaterLink Communities: An initial project engagement meeting followed by monthly check-in meetings will be scheduled with WaterLink Communities and their consultants to discuss the final location of delivery structures and associated connection details and routing of pipelines through their communities. Ten (10) meetings are planned with WaterLink Communities for Phase I services.
 - c. Other Stakeholder Meetings: Naperville, Aurora, and unincorporated areas (counties and townships) are non-benefiting communities that will potentially be impacted by construction. Initial project engagement followed by monthly check-in meetings will be scheduled to gain input and find solutions to issues and find methods to mitigate impacts. Fifteen (15) meetings are planned with other stakeholders for Phase I services.
 - d. Attend meetings with the DWC’s Board, WaterLink Community Boards (as required), and the public as requested by DWC. Prepare educational displays/presentations to communicate meeting topics. Fifteen (15) public board meetings are planned for Phase I services.

- e. Prepare monthly project status reports and project updates for DWC to share with Board, WaterLink Communities, and other stakeholders.
 - f. Hold project meetings with regulatory agencies, railroads and private utilities during the study phase to facilitate permit reviews and approvals. Twenty (20) meetings with permitting agencies and entities are planned for Phase I services.
 - g. Requests for pertinent data and information will be transmitted to each of the previously mentioned city, utility, county, townships, and railroad entities located along the pipeline routes.
 - h. Prepare agendas and meeting minutes for each meeting. Follow-up on action items identified during the meetings.
3. Task 3 – Pipeline Corridor Identification:
- a. Previously completed engineering and planning work will be utilized as a starting point for the corridor identification route effort.
 - b. Corridor Identification: Changes to the conceptual route will be evaluated to determine potential improvements to project cost, schedule, parcels, or easements to be acquired, complexity of construction and impact to the community and businesses. It is understood that utilization of existing rights-of-way, utility corridors, or government property is preferred.
 - c. Develop and evaluate up to three (3) potential alternatives. Determine the most favorable route for the water transmission main based on a scoring system incorporating physical attributes, such as topographical and subsurface findings; regulatory attributes, such as permitting complexity, code and standard compliance complexity, and right-of-way ownership and requirements; public impacts, such as traffic impacts, business impacts, political impacts; and other scoring factors as deemed appropriate by the DWC.
 - d. Create a scoring matrix and risk matrix for evaluation of routes on a segment-by-segment basis, with some exceptions if alternative segment routing is not feasible or necessary. Review with DWC and incorporate review comments.
 - e. Research the location of existing utilities within the transmission main corridors and determine their impact on future potential construction. Coordinate activities with utilities.
 - f. Develop preliminary route plan view drawings using GIS data, utility mapping, and data from IDOT, railroads, counties, DWC, utilities, and municipalities supplemented by detailed field topography at up to 15 key intersection/crossing locations.
 - g. Discuss proposed routes with impacted property owners, municipalities, citizen groups, and counties to develop routes with limited resistance. Number of meetings outlined in Task 1.

- h. Compile the matrix scores for each segment and assess the resulting scoring to eliminate route segments and/or options from further consideration and analysis. Review findings with DWC, incorporate input, and develop two recommended distinct routes for further analysis.
 - i. Prepared conceptual layout of pump station(s) to determine necessary property area and potential location of property acquisition.
 - j. Conduct initial constructability reviews of two routes. Review routes with land acquisition lead for identification of easements and potential sites for booster stations.
 - k. Identify methods of construction for installation of pipe in each segment.
 - l. Prepare Preliminary OPCC for each route.
 - m. Compile matrix scoring results, constructability, cost opinion information, and land availability information. Recommend one distinct route for final consideration.
 - n. Review findings with DWC and gather input and identify the most favorable route.
4. Task 4 – Hydraulic Modeling:
- a. Hydraulic modeling will be performed towards the end of the study to evaluate and finalize pipeline sizing and velocities based on expected water demands, routes, expected pipeline elevations, and delivery pressures.
 - b. DWC will provide existing hydraulic model input data to Consultant and will assist in information transfer.
 - c. Reconfirm existing data points in the model such as elevations and pressures and add/modify determined elevations, fittings, valves, segment lengths, discharge locations, and flow rates along the route that may impact system operations.
 - d. Transfer model into Innowyze InfoWater based on Consultant's preference and test the transmission system hydraulics.
 - e. Use the model to confirm need for a current or future pump station and, if there is, optimize location for the station.
 - f. Complete hydraulic modeling with use of Innowyze InfoSurge to confirm that the system will be protected from transients.
 - g. Summarize findings in the Project Development Report.

5. Task 5 – Survey Services:
- a. The intent of this work is to augment available paper records, GIS, and photographic information with on the ground field measurements of physical features for the purpose of confirming information for the project improvements. Due to the desired project design time frame, and challenges associated with collecting aerial LiDAR data during the summer months, Phase I route alignment studies will utilize primarily GIS aerial and contour data supplemented by certain specific ground survey data collection at key locations that could impact constructability, permitting and cost.
 - b. Set necessary ground control points utilizing GNSS/GPS and terrestrial surveying techniques correlated to commonly accepted vertical (NAVD '88) and horizontal datums (Illinois State Plane NAD '83 (2011)) based upon geographic coordinates (latitudes, longitudes, and heights) throughout 40 township sections in Naperville, Oswego, Yorkville, Montgomery, and unincorporated areas along the water transmission main route to ensure that all data collected can be correlated to and utilized with other data sources based upon geographic coordinates. Other correlations could also be made to specific local datums as determined by Consultant. This control effort will form the basis for aerial LiDAR control to be conducted toward the end of Phase I, as well as for the preparation of 90-130 plats and legal descriptions for required easements to be performed during Phase II.
 - c. Conduct up to 12 topographical surveys at critical intersections and tunnel crossings, including collection of rim/invert data at utility structures, to allow for the development of a route and preliminary design of the project improvements with a high level of confidence to supplement county GIS Data. Conduct less detailed surveys on selected portions of two routes as determined by Consultant to complete preliminary designs. The information generated from this work will be incorporated into the base sheets after a final route determination is made and used during final Phase II design.
 - d. Provide 75-100 SUE services field surveys to verify other utility (gas pipelines, oil pipelines, fiber optic lines, telecommunication lines, etc.) elevations, together with design JULIE locates at key crossings would be performed. This effort would supplement field elevation data to be measured and collected and combined into the project base CAD files.
 - e. Provide 75-100 utility potholing and associated grass and pavement restoration. Potholes and/or vacuum excavations at key utility crossing locations to be performed by a local contractor. Relevant utility conflicts will be identified and assessed early on during the design effort. This effort also includes obtaining elevation data for excavated utilities and adding them to 3D utility model.

- f. Complete topographic survey data collection along the final 29-mile route would be envisioned to take place in late 2023 to form the basis for the Phase II final design effort. The primary means of data collection may be utilizing an aerial platform to collect LiDAR data, depending on the timing of the alignment finalization and data collection costs.
 - g. Detailed LiDAR data will be processed for developing surface condition topographic drawings throughout the project area. Supplemental field surveys to complete areas not attainable with the LiDAR data collection would also obtain invert/top of main data of storm/sanitary sewers and existing water mains within the project area.
 - h. Combine data, including GIS contour data from DuPage, Kendall, and Will Counties, supplemental topographic, rim/invert, SUE/potholing and utility data from various sources, GNSS/GPS and terrestrial, within Autodesk Civil 3D base CAD files and construct an appropriate triangulated irregular network (TIN) model across the entire project length to be able to generate proposed 1"=50' plan and profile sheets on a consistent and unified vertical and horizontal datum. TIN model will also allow for 3-D utility modeling at specific locations to verify proposed water main elevations. Identification of property corner details for purposes of right-of-way verification and/or future easement acquisition will be completed as determined by Consultant. The estimated length of plan/profile sheets across two final route alignments is 35 miles (200 total sheets).
6. Task 6 – Geotechnical Borings and Logs
- a. Provide up to 42 soil borings on both sides of up to 21 tunnel crossings (e.g., crossings of IDOT highways, Fox River, etc.), including field staking of all boring locations and correlating elevation data at boring locations with Survey data in Task 5.
 - b. Conduct a preliminary Clean Construction/Demolition Debris (CCDD) sampling and testing evaluation during the advancement of the geotechnical soil borings (one per tunnel crossing) to identify potentially clean and potentially contaminated areas along the proposed water main project area. Collect soil samples during the boring operation for testing.
 - c. Collected soil samples will be submitted to an accredited laboratory with a standard turnaround time for analytical testing results. The testing parameters in the identified PIP project areas will include VOCs, SVOCs, RCRA 8 Total Metals, pH and possibly TCLP or SPLP testing on 7 of the 8 RCRA metals, as determined necessary by Consultant.
 - d. Prepare a geotechnical report including all boring logs outlining the findings of the sample program, signed and sealed by an Illinois registered professional engineer.

7. Task 7 – Phase I Environmental Site Assessment (ESA)
 - a. Provide a Phase I ESA along the 29-mile route in accordance with the American Society for Testing and Materials (ASTM) Practice E1527-21. The purpose of the Phase I ESA is to identify the presence or absence of Recognized Environmental Conditions (RECs) as defined by the standard.
 - b. The Phase I ESA process includes a search of standard historical sources (e.g., aerial photographs, topographic maps, and historical fire insurance maps), a review of federal and state environmental databases, interviews with past and present owners, operators, and occupants of the site, and an on-site reconnaissance to determine the presence or absence of RECs.
 - c. Visit the sites to examine and document the current uses and conditions. Seek owners to ask pertinent questions, including those outlined as user responsibilities on the questionnaire in ASTM E1527-21.
 - d. Make reasonable attempt to conduct interviews with the current owner, available past owners, and occupants, state and local regulators, the local fire department, and other persons or agencies that may have knowledge of current or historical environmental conditions at the site.
8. Task 8 – Wetlands
 - a. Impacted areas will be evaluated for the presence of wetlands and other Waters of the United States (WOTUS). This information will be used to avoid and/or minimize impacts to WOTUS and other areas of special concern. To minimize the amount of fieldwork necessary, a desktop review of each area will be performed prior to the site visit. This will involve gathering background information pertaining to each site such as local soil survey data, previously performed wetland delineations (if available), and National Wetland Inventory (NWI) maps.
 - b. Delineation of the Site will be done in accordance with USACE 1987 Manual and the August 2010 USACE Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Midwest Region and will take place within the USACE recognized wetland growing season. The wetland delineation will be based on soil composition, hydrology of the site, and vegetation present at the time of the site visit. Observations will be documented on approved USACE data forms and included in the final report. If wetlands are found to exist within project boundaries, their limits will be recorded using a handheld GPS device for use in Arc GIS software and added to the plan and profile sheets as applicable. It is assumed that Consultant personnel will be granted access to the properties, and that project personnel will be available to answer questions prior to, during, and/or following site reconnaissance activities.
9. Task 9 – WIFIA Federal Requirements Compliance
 - a. Determine potential environmental impacts from various environmental crosscutting authorities as required by WIFIA (i.e., Archaeological and Historic Preservation Act, Fish and Wildlife Act, Endangered Species Act, etc.).

- b. Work with the WaterLink Communities and WIFIA staff to complete the WIFIA Programmatic Environmental Assessment (PEA) Questionnaire which analyzes the potential environmental impacts related to the issuance of credit assistance under WIFIA.
 - c. Provide cultural and archaeological surveys after selection of the route. This scope includes: Preparation of Section 106 initiation letters and subsequent letters documenting Area of Potential Effects (APE), Historic Properties Identification (HPI), and Assessment of Effects (AOE), as-needed; APE delineation; Research and literature review to identify previously recorded historic architectural properties or archaeological sites; Fieldwork/Survey to collect documentation related to historical architectural properties, resources or targeted archaeological sites; Technical report describing the project, field work and results; Contribution to the WIFIA PEA.
 - d. Work with WaterLink Communities and WIFIA staff to confirm program waiver for Build America, Buy America Act.
 - e. Conform with American Iron and Steel Requirements in the design consideration and evaluation of proposed pipe, valves, and appurtenances.
 - f. Work with WaterLink Communities to understand potential co-funding with other federal and state programs to determine any additional responsibilities or considerations for compliance.
10. Task 10 – Recommended Plan Development:
- a. Prepare preliminary designs for the most advantageous route. Consider use and applicability of conventional and trenchless means of construction for each pipeline segment.
 - b. Conduct constructability reviews, confirm property availability, and prepare opinions of probable construction cost.
 - c. Confirm design with hydraulic computer model.
 - d. Manage the identification, documentation, and assembly of up to 130 required easements in conjunction with DWC staff. Due to schedule impacts on final design/construction timeframe, this would include ordering up to 130 identified title commitments after route alignment finalization as a task to be completed late during Phase 1.
 - e. Review with DWC and incorporate input for recommend final routes for joint transmission mains for development of preliminary plans. After approval of final route from DWC, prepare approximately 200 final preliminary plan and profile sheets for the selected route. Drawings will be digital and planned for printing on 22" x 34" sheets at 1" = 50' scale.
11. Task 11 – Project Development Report:

- a. Prepare Pipeline Alignment Corridor Study summarizing the process used to develop the most advantageous route and the conclusions of the study documenting features of the selected route including installation techniques and the opinion of probable construction cost for the transmission main. The study will include contract bid packaging options intended to identify opportunities to expedite the construction schedule.
 - b. Pipeline Design Criteria Memorandum: Develop pipeline design criteria in collaboration with DWC. Memorandum will include the following elements: design parameters; pipeline sizes, appurtenances, and materials; preliminary hydraulic profile; valve types and locations; preliminary cathodic protection evaluation, and redundancy.
 - c. Additional items included: Construction bid packaging and project segmentation; cost and financial issues; project implementation schedule; level of control desired by DWC during project delivery for the design, construction and commissioning; alternative project delivery; potential compliance criteria; potential schedule constraints; potential project risk concerns; permit matrix; external stakeholder requirements; Phase I level design development; constructability review and hydraulic model documentation for final recommended alternate.
 - d. Supervise, conduct, and document quality control activities during the development of the PDR.
 - e. Provide draft copies of the report for review by the DWC and WaterLink Communities' staff.
 - f. Meet with DWC and WaterLink Communities staff to review and incorporate their comments into the final documents.
 - g. Provide electronic copy and twenty (20) hard copies of final Project Development Report.
 - h. Provide up to three (3) presentations on the final report.
12. Task 12 – Projected Spending Report:
- a. It is understood that the DWC and the WaterLink Communities have entered into an “Escrow” agreement for payment of services associated with the project. It is also understood the WaterLink Communities will have to, from time to time, make payments into the “Escrow” account to replenish funds and will need time to accomplish this effort.
 - b. Generate a cash flow/invoicing forecast estimating future Consultant expenditures for coordination of payments between WaterLink Communities and DWC. Document will forecast next 30 and 60 days of expenditures and will be submitted to DWC along with invoices on monthly basis.
 - c. Maximum accrued services under this Task Order shall not exceed \$600,000, without authorization from the Board of Commissioners.
 - d. Remaining services are not authorized until approved by DWC.

- B. Phase II Services:
1. Task 1 – Project Management:
 - a. Organize and manage the project team.
 - b. Prepare the project schedule for review with DWC and maintain the schedule throughout the course of the project.
 - c. Prepare and maintain management schedule listing DWC responsibilities and milestones.
 - d. Monitor estimates of probable cost as changes or additions are made throughout the project.
 - e. Maintain project records, decision logs, and files.
 - f. Maintain and encourage communications between all parties.
 2. Task 2 – Stakeholder Meetings:
 - a. Continue stakeholder meetings noted under Phase I services.
 - b. Attend public meetings as required during the work. Prepare educational displays/presentations as needed to communicate meeting topics. Up to fifteen (15) meetings are planned for Phase II services.
 - c. Prepare agendas and meeting minutes for each meeting.
 3. Task 3 – Easement Acquisition:
 - a. Manage the solicitation, documentation, and ultimate purchase/assembly of the identified easements from Phase I in conjunction with DWC Staff.
 - b. Assist DWC to acquire properties and easements with services preparation of plats and legal descriptions, asbestos abatement inspections, and professional acquisition services including appraisals and negotiations as may be applicable.
 4. Task 4 – Quality Control:
 - a. Prepare plans and implement quality assurance and control activities during the development of the system designs.
 5. Task 5 – Vulnerability Analysis:
 - a. Vulnerability Analysis: Prepare Vulnerability Analysis in conformance with AWWA Standards and Manual of Practice.
 - b. Include transmission mains and major crossings (Under the Fox River, IDOT roadways, under railroads, petroleum pipelines, etc.) and connection facilities. Review findings with DWC and modify report as appropriate. Incorporate findings in pipeline design as directed by DWC.

6. Task 6 – Standardized Specifications:
 - a. Bidding and front end contract documents will be provided by DWC. Prepare special conditions and technical specifications in CSI format for use by design teams for each pipeline segment. Generate contract document and specification packages for project bidding.
7. Task 7 – Transmission Main Package:
 - a. The intent of this work is to prepare plan and profile drawings and technical specifications for the transmission mains. The transmission mains will be designed for the different design packages determined in Phase I Engineering Services.
 - b. Attend design coordination meetings with the DWC team for the duration of the Project. Up to twenty-four (24) meetings are planned.
 - c. Attend weekly transmission main design teams meeting for the duration of plan and profile development.
 - d. Attend stakeholder meetings as requested including municipalities, utilities, and state agencies. Up to fifteen (15) meetings are planned.
8. Task 8 – 30% Preliminary Plan and Profile Drawings:
 - a. Address comments from Project Development Report as provided by DWC. Prepare preliminary drawing set, which will convey information about the transmission main's fundamental elements. This work includes the following.
 - b. Prepare preliminary cover, index standards list, and notes sheets.
 - c. Conceptual detail drawings will be provided and discussed.
 - d. Prepare preliminary transmission main plan drawings showing the alignment of the transmission mains and distribution feeder mains, including known existing underground utilities.
 - e. Prepare preliminary roadway resurfacing plan.
 - f. Provide preliminary specifications index.
 - g. Submit above as 30% design submittal to: Project Review Team for QC and DWC for review.
 - h. Geotechnical borings and logs up to 30 feet deep spaced approximately 500 to 1,000 feet apart along pipeline route to supplement tunnel crossing boring information collected in Phase I.
 - i. Compile an inventory of the trees that will be removed or pruned due to construction, as well as roadway signs that could be impacted by construction.

- j. Prepare draft of plan and profile drawings for critical crossings determined by Consultant. Draft plan and profile drawings will show the work in sufficient detail that a contractor can recognize general transmission main elements and requirements for construction. Include any revisions required by the alignment field verification. Draft plan and profile drawings for critical crossings will be completed first to expedite the permitting process.
 - k. Meet with DWC and WaterLink Communities to review drawings. Address and incorporate comments into final 30% set and submit to DWC.
9. Task 9 – 75% Permit Plan and Profile Drawings and Specifications:
- a. Prepare a draft drawing set, which will show the work in sufficient detail so that a contractor can recognize transmission mains elements and requirements for construction. Include any revisions required by the alignment field verification. Set to include: draft cover, index, standards lists, and notes sheets; erosion control plan into plan set; demolition plan; draft transmission mains plan and profile drawings showing the alignment of the transmission mains and distribution feeder mains including existing underground utilities; detailed drawings; landscaping replacement plans; traffic detour plans; draft roadway resurfacing plans; draft transmission mains specifications, including general requirements and technical specifications.
 - b. Prepare preliminary detail drawings.
 - c. As the design progresses, develop and refine the strategy and plan for construction contract sequencing, improvements scheduling and operations during construction to improve project delivery and reliability and improve funding opportunities.
 - d. Submit the 75% draft drawings and specifications to: Project Review Team for QC, DWC for review; and impacted communities for comment.
 - e. Submit 75% documents to the IEPA and other permitting entities for review and comment. Meet with IEPA and other entities to receive comments. Incorporate comments into 90% documents for permitting.
 - f. Meet with DWC and WaterLink Communities to review drawings. Address and incorporate comments into final 75% set and submit to DWC.
10. Task 10 – 90% Permit Plan and Profile Drawings and Specifications:
- a. Prepare prefinal cover, index, standards lists, and notes sheets; erosion control plan into plan set; demolition plan; final draft transmission mains plan and profile drawings showing the alignment of the transmission mains and distribution feeder mains including existing underground utilities; detailed drawings; erosion control; landscaping replacement plans; traffic control and detour plans; draft roadway resurfacing plans; final draft transmission mains specifications, including general requirements and technical specifications.

- b. Submit the 90% draft drawings and specifications to: Project Review Team for QC, DWC for review; permitting entities as required, and adjacent utilities to review.
 - c. Submit sealed documents to IEPA and other entities for permitting.
 - d. Address and incorporate comments from the 90% submittal as provided by Project Review Team, DWC and impacted communities.
 - e. Field-Walk Thru with DWC and/or WaterLink Communities.
11. Task 11 – 100% Permit Plan and Profile Drawings and Specifications:
- a. Prepare, sign, and seal final drawing set and final specifications.
 - b. Incorporate front end bidding documents in specifications.
 - c. Submit the 100% complete drawings and specifications to DWC.
 - d. Plans will be submitted in AutoCAD and PDF formats along with two (2) printed copies.
 - e. Specifications will be provided in Microsoft Word and PDF formats. Specification PDFs will be indexed and searchable.
12. Task 12 – Allocation of Benefits Calculations Assistance:
- a. Assist DWC with defining allocation of transmission system capital and maintenance costs between communities based on the respective system benefits. Detailed level of effort to be determined. Up to 120 labor hours are included in our proposed fee.
13. Task 13 – Bidding Assistance and Contractor Selection:
- a. Provide bid assistance, including contractor identification, solicitation, qualification, bid review, responses to RFI information, attendance to pre-bid meetings and bid opening meetings, review and evaluation of bid proposals, and attendance and presentation at DWC Board meetings, as well as WaterLink community public meeting, if requested. Additional services and details included.
 - b. Attend and assist in leading pre-bid meeting. Prepare agenda and meeting minutes.
 - c. Addenda Preparation Assistance: Assist with responses to bidders' questions during the bid period. Assist in preparation of necessary addenda.
 - d. Bid Review Assistance: Assist in evaluation of bids and make recommendation of award of contract at Board meeting.
 - e. Conformed Contract Documents: Prepare conformed construction documents that incorporate modifications to the drawings and specifications included in Addenda issued during the Bidding Phase.

- 3.0 Approvals and Authorizations: Consultant shall assist in obtaining the following approvals and authorizations:
- A. IEPA Permit Coordination: Prepare the required documentation for signature by DWC and meet with the Agency to assist the procurement of Project permits.
 - B. IDOT and other highway authorities – Naperville, Kendall County, Will County, DuPage County, and various Townships
 - C. USACOE – wetlands and Fox River
 - D. IDNR – Fox River, other stream crossings > 1 sq.mi. watershed
 - E. Railroads – CNRR, ILRW and BNSF

4.0 Commencement Date: Effective Date of This Task Order

5.0 Completion Date: Per following Schedule

6.0 Schedule:

- A. Phase I Services:
 - Begin – Effective Date of this Task Order
 - Submit Draft of PDR – 10/31/2023
 - Complete Phase I – 01/01/2024
- B. Phase II Services:
 - Begin – 01/01/2024
 - Submit Final Plans and Specifications – 11/01/2024
 - Bidding and Contractor NTP – 02/28/2025

7.0 Key Project Personnel:

Lockwood, Andrews & Newnam, Inc.	Stanley Consultants, Inc. (Subconsultant)	Robinson Engineering, Ltd. (Subconsultant)
<ul style="list-style-type: none"> ● Warren Green, PE Project Director ● Ozzie Garza, PE Project Manager ● Jeremy Nakashima, PE Quality Control ● Greg Henry, PE Tunnel Engineering ● Christine Kirby, PE Coatings & Linings ● Bob Card, PE Pipe Design 	<ul style="list-style-type: none"> ● Kate Despinoy, PE Project Manager ● Larry Thomas, PE Quality Control ● Michael Colby, PE Hydraulic Modeling ● Patrick Haney, PE Pipeline Engineering ● Jared Hamilton, PE Constructability Review 	<ul style="list-style-type: none"> ● Aaron Fundich, PE Project Manager ● Jennifer Prinz, PE Quality Control ● Dave Barnas, PE Constructability Review ● Tom Nagle, PE Pipeline Engineering ● Randall Gann, PLS Surveying

8.0 Contract Price:

Our contract price for providing, performing, and completing the initial Phase I services is equal to an amount including labor costs plus an amount equal to the actual costs of all Reimbursable Expenses. We estimate that our fees (including reimbursable expenses) will be Six Hundred Thousand Dollars (\$600,000.00) which will not be exceeded without written authorization approved by the DWC Board of Commissioners.

The full contract price of \$4,263,649.00 for Phase I services is subject to authorization by the DWC Board of Commissioners.

See Attached Tables for Breakdown

9.0 Payments:

The fees for these services shall be based on the direct Labor Costs times the number of hours worked by the Consultant's personnel performing services on the Project.

"Reimbursable" or "reimbursable expense" shall be defined as a cost incurred by the Consultant in performing services on the Project, beyond the standard labor and overhead costs otherwise outlined in the Master Agreement and shall be applicable individually to any Work Order, Authorization or Notice-to-Proceed issued under such Master Agreement. Reimbursables include costs incurred in relation to:

- A. Transportation and authorized out-of-town travel and subsistence.
- B. Fees paid for assisting in obtaining the approval of authorities having jurisdiction over the Project.
- C. Printing, reproductions, plots, standard form documents.
- D. Postage, handling, and delivery.
- E. Expense of overtime work requiring higher than regular rates, if authorized in advance.
- F. Renderings, models, mock-ups, professional photography, and presentation materials requested.
- G. Other similar Project-related expenses.

The list above is not intended to be exhaustive. Other Project-related costs incurred by Consultant that do not appear on the list above, are nonetheless considered to be reimbursable expenses. Costs incurred by Consultant shall also be read to mean costs incurred by Consultant's subsidiaries, employees, contractors, and consultants.

10.0 Modifications to Contract:

- A. None

11.0 Attachments:

- A. None

Approval and Acceptance: Acceptance and approval of this Task Order, including the attachments listed above, shall incorporate this Task Order as part of the Contract.

The Effective Date of this Task Order is June 16, 2023.

DuPAGE WATER COMMISSION

By: _____

James F. Zay
Chairman of the Board

By: _____

Paul D. May, P.E.
General Manager

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

Name: Paul D. May, P.E.

Title: General Manager

Address: 600 East Butterfield Road, Elmhurst, Illinois 60126-4642

E-mail Address: may@dpwc.org

Phone: (630) 834-0100

Fax: (630) 834-0120

Lockwood, Andrews & Newnam, Inc.

By: _____

J. Warren Green, P.E.

Vice President/Chief Engineer

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

Name: J. Warren Green, P.E.

Title: Vice President, Chief Engineer

Address: 1 Oakbrook Terrace, Suite 300, Oakbrook Terrace, IL 60181

E-mail Address: jwgreen@lan-inc.com

Phone: 630-918-2494

Exhibit A
Level of Effort - Phase I Services
DuPage Water Commission
Water Transmission Main to the Municipalities of Montgomery, Oswego, and Yorkville

		PRINCIPAL / PROJECT DIRECTOR	SENIOR PM	PM	SENIOR ENGINEER/ SME	ENGINEER VII	ENGINEER VI	ENGINEER V	ENGINEER IV	ENGINEER III	ENGINEER II	ENGINEER I	SENIOR DESIGNER	CADD DESIGNER	GIS COORDINATOR	GIS DEVELOPER	FIELD SUPERINTENDENT	CHIEF LAND SURVEYOR	LAND SURVEYOR	PROJECT CONTROLS ADMINISTRATOR	ADMIN. ASSISTANT	TOTAL HOURS	TOTAL FEE
	BILLING RATE RANGE	\$400 to \$350	\$335 to \$285	\$250 to \$193	\$380 to \$300	\$309 to \$275	\$255 to \$225	\$238 to \$170	\$191 to \$163	\$152 to \$150	\$142 to \$140	\$133 to \$120	\$200 to \$192	\$140 to \$120	\$192	\$145 to \$167	\$216	\$206	\$154	\$179	\$118 to \$110		
NO.	TASK DESCRIPTION																						
2.0	Stakeholder Meetings and Data Collection	238	40	516	112	0	0	120	0	176	0	0	0	0	0	0	0	16	0	0	104	1322	\$311,832
3.0	Pipeline Corridor Identification	140	540	764	234	0	60	528	0	1278	0	160	28	80	8	32	40	0	0	0	24	3916	\$818,830
4.0	Hydraulic Modeling	16	0	12	32	0	0	160	24	0	0	0	0	0	0	0	0	0	0	0	0	244	\$53,264
5.0	Survey Services (Add Services)	Additional Services																					
6.0	Geotechnical Borings and Logs (Add Services)																						
7.0	Phase I Environmental Site Assessment (ESA) (Add Services)																						
8.0	Wetlands Delineation (Add Services)																						
9.0	WIFIA Federal Requirement Compliance	0	0	36	12	0	0	40	0	72	0	60	0	0	0	0	0	0	0	0	24	244	\$41,660
10.0	Recommended Plan Development	100	144	608	216	0	28	376	60	784	0	20	220	1380	0	0	0	0	40	120	0	4096	\$749,036
11.0	Project Development Report	40	48	320	98	0	0	244	0	460	80	100	100	0	0	0	0	0	0	0	40	1530	\$304,072
TOTAL HOURS		534	772	2256	704	0	88	1468	84	2770	80	340	348	1460	8	32	40	56	120	0	192	11352	
TOTAL FEES		\$169,080.00	\$206,160.00	\$551,684.00	\$240,910.00	\$0.00	\$19,800.00	\$274,056.00	\$14,184.00	\$417,276.00	\$11,200.00	\$40,800.00	\$68,704.00	\$197,640.00	\$1,536.00	\$5,344.00	\$8,640.00	\$11,536.00	\$18,480.00	\$0.00	\$21,664.00		\$2,278,694
TOTAL																							\$2,278,694

Additional Services	Subtotal
Phase 1 ESA	\$36,770
Wetlands Delineation	\$39,520
Cultural/Archeology	\$87,545
Cathodic Protection Desktop Study	\$34,820
GIS / Survey Control / SUE / Utilities / LIDAR	\$1,383,000
Geotechnical Borings and Logs	\$238,300
Title Commitments - Easements/Parcels	\$130,000
TOTAL	\$1,949,955

Basic Services Expenses	Subtotal
Expense Allowance	\$35,000
TOTAL	\$35,000

TOTAL PHASE I SERVICES	\$4,263,649
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Exhibit B
Level of Effort - Phase I Additional Services
DuPage Water Commission
Water Transmission Main to the Municipalities of Montgomery, Oswego, and Yorkville

Task	Description	Unit	Quantity	Estimated Manhours*	Rate (\$/Unit)	Subtotal
5	Task 5 - GIS / Survey Control / SUE / Utilities / LIDAR					\$ 1,383,000.00
5A-H	GIS / Survey / SUE Utilities / Plan-Profile Sheets / 3D TIN Surface Model	Foot	180,000	2,560	\$ 2.11	\$ 378,900.00
5B	Survey Monumentation / LIDAR Control / Cadastral Line Development	Section	40	1588	\$ 5,590.00	\$ 223,600.00
5C	Detailed Site Topo / Processing / Drafting w Utilities at 15 Key Intersections	Each	15	900	\$ 16,700.00	\$ 250,500.00
5E	Utility Potholing w/ Traffic Control & Restoration	Each	100	144	\$ 4,150.00	\$ 415,000.00
5F-G	Aerial LIDAR Along Entire Route x 2000' width, Data Processing	L Sum	1	64	\$ 115,000.00	\$ 115,000.00
6	Task 6 - Geotechnical Bores and Logs					\$ 238,300.00
6A-D	Field Staking, Soil Borings/Logs, Lab Analysis & Geotech Report	Each	42	380	\$ 3,650.00	\$ 153,300.00
6B-C	CCDD Sampling, Laboratory Analysis & Report	Each	20	440	\$ 4,250.00	\$ 85,000.00
10	Task 10 - Recommended Plan Development					\$ 130,000.00
10D	Title Commitments - Easements / Parcels	Each	130	200	\$ 1,000.00	\$ 130,000.00

*Estimated manhours for Robinson Engr. Exclude manhours from various subconsultants, laboratories for equipment, traffic control, etc.

Exhibit B
Level of Effort - Phase I Additional Services
DuPage Water Commission
Water Transmission Main to the Municipalities of Montgomery, Oswego, and Yorkville

		PRINCIPAL / PROJECT DIRECTOR	SENIOR PM	PM	SENIOR ENGINEER/ SME	ENGINEER VII	ENGINEER VI	ENGINEER V	ENGINEER IV	ENGINEER III	ENGINEER II	ENGINEER I	SENIOR DESIGNER	CADD DESIGNER	TOTAL HOURS	TOTAL FEE
	BILLING RATE RANGE	\$400 to \$350	\$335 to \$285	\$250 to \$193	\$380 to \$300	\$309 to \$275	\$255 to \$225	\$238 to \$170	\$191 to \$163	\$152 to \$150	\$142 to \$140	\$133 to \$120	\$200 to \$192	\$140 to \$120		
NO.	TASK DESCRIPTION															
	Cathodic Protection Desktop Study (LAN)	8		30	24					100					162	\$34,820
	TOTAL HOURS	8	0	30	24	0	0	0	0	100	0	0	0	0	162	
	TOTAL FEES	\$3,200.00	\$0.00	\$7,500.00	\$9,120.00	\$0.00	\$0.00	\$0.00	\$0.00	\$15,000.00	\$0.00	\$0.00	\$0.00	\$0.00		\$34,820

		PM	PRINCIPAL SCIENTIST	SENIOR SCIENTIST	SCIENTIST	JUNIOR SCIENTIST	JUNIOR SCIENTIST	ENVIRONMENTAL SCIENTIST	GIS DEVELOPER	PRINCIPAL ARCHITECT	SENIOR ARCHITECT	JUNIOR ARCHITECT	INTERN	ARCHEOLOGIST	TOTAL HOURS	TOTAL FEE
	BILLING RATE RANGE	\$250 to \$193	\$233	\$120	\$107	\$82	\$225	\$170	\$145 to \$167	\$183	\$130	\$89	\$62	\$160		
NO.	TASK DESCRIPTION															
7.0	Phase I Environmental Site Assessment (ESA) (SCI)	0	12	194	36	6	0	0	0	0	0	0	0	0	248	\$36,770
	Preparation and Site Visit			36	36										72	\$8,172
	Property Owner Interviews			40											40	\$4,800
	Graphics			16											16	\$1,920
	Draft and Final Reports		12	72		6									90	\$11,928
	PEA Questionnaire			30											30	\$3,600
	Expenses														0	\$6,350
8.0	Wetlands Delineation (SCI)	0	0	192	0	0	0	32	32	0	0	0	0	0	256	\$39,520
	Preparation and Research			24				8							32	\$4,240
	Onsite Delineation			80				4							84	\$10,280
	Graphics								32						32	\$4,640
	Draft and Final Reports			62				16							78	\$10,160
	PEA Questionnaire			26				4							30	\$3,800
	Expenses														0	\$6,400
9.0	Cultural/Archeology (SCI)	0	0	0	0	0	0	0	0	50	220	164	0	204	638	\$87,545
	Cultural Survey									8	28	28			64	\$7,596
	Cultural Reports									24	108	116			248	\$28,756
	Cultural Coordination									18	60	20			98	\$12,874
	Archeology Survey													120	120	\$19,200
	Archeology Reports													60	60	\$9,600
	PEA Questionnaire										24			24	48	\$6,960
	Expenses														0	\$2,559
	TOTAL HOURS	0	12	360	36	6	0	28	32	50	196	164	0	180	1064	
	TOTAL FEES	\$0.00	\$2,796.00	\$43,200.00	\$3,852.00	\$492.00	\$0.00	\$4,760.00	\$4,640.00	\$9,150.00	\$25,480.00	\$14,596.00	\$0.00	\$28,800.00		\$163,835

Exhibit C
Preliminary Cash Flow/Invoicing Forecast - Phase I Services
DuPage Water Commission
Water Transmission Main to the Municipalities of Montgomery, Oswego, and Yorkville

Description	July 2023	August 2023	September 2023	October 2023	November 2023	December 2023	January 2024	February 2024
Basic Services	\$ 91,148	\$ 182,296	\$ 501,313	\$ 569,674	\$ 569,674	\$ 227,869	\$ 91,148	\$ 45,574
Additional Services	\$ 65,000	\$ 360,000	\$ 666,459	\$ 431,669	\$ 140,869	\$ 155,959	\$ 130,000	\$ -
TOTAL	\$ 156,148	\$ 542,296	\$ 1,167,771	\$ 1,001,342	\$ 710,542	\$ 383,828	\$ 221,148	\$ 45,574

Exhibit D

Project Team Organization — Phase I Services DuPage Water Commission


Water Transmission Main to the Municipalities of Montgomery, Oswego, and Yorkville



**Lockwood, Andrews
& Newnam, Inc.**
A LEO A DALY COMPANY



- 1. GEOCON Professional Services, LLC.  (Geotechnical Engineering)
- 2. SAM, LLC.  (Aerial LiDAR)
- 3. Accurate Locating Services, Inc.  (Subsurface Utility Engineering)
- 4. Sheridan Plumbing & Sewer, Inc.  (Subsurface Utility Engineering - Potholing)
- 5. Chicago Title Land Trust Company  (Title Commitments)

- 1. JLK Architects  (Cultural/Archeological)



Resolution #: R-30-23

Account: 01-60-663100, \$299,803.19

Approvals: *Author / Manager / Finance / Admin*

D.P. RCB CAP PDM

REQUEST FOR BOARD ACTION

Date: 6/8/2023

Description: **A Resolution to Approve Certain Revised Work Authorization Orders Under Quick Response Contract QR-12/21.**

Agenda Section: Engineering & Construction

Originating Department: Pipeline

On November 17, 2022, the Commission approved the Resolution R-70-22 authorizing the issuance of Work Authorization Order No. 016 to quick response contractor, Benchmark Construction, Inc., to proceed with the work described as the DuPage Pumping Station Site Improvements at a cost estimated at \$456,085.14. The work included the excavation to expose the exterior of the West Discharge Tunnel, perform exterior waterproofing of the wall penetrating West Discharge Tunnel and the redirection of ground water away from the West Discharge Tunnel into the existing stormwater system by adding underdrains.

REVISIONS to Work Authorization Order No. 016

During the excavation authorized under Work Authorization Order No. 016 around the 72-inch steel water main, and as presented to the Board on March 16, 2023, significant corrosion was found on the exterior pipe wall. The original scope of work was extended, and the work began prior to board ratification, as remediation to protect the 72-inch steel water main from potential catastrophic failure. The additional tasks included modification of Earth Retaining System, uncovering additional length of the pipe outside the original trench limits, removal of failed existing protective coating from the 72-inch steel water main, perform abrasive sandblasting, application of welded steel straps, and finally the application of new protective coatings.

The cost of work increased by \$299,803.19, revising the project cost from \$456,085.14 to \$755,888.33.

Resolution No. R-30-23 would ratify the Revised Work Authorization Order No. 016 with Benchmark Construction, Inc. for an additional expense of \$299,803.19.

Recommended Motion:

To adopt Resolution No. R-30-23.

DuPAGE WATER COMMISSION

RESOLUTION NO. R-30-23

**A RESOLUTION RATIFYING WORK AUTHORIZATION ORDER NO. 016
UNDER QUICK RESPONSE CONTRACT QR-12/21**

WHEREAS, the DuPage Water Commission (the "Commission") entered into certain agreements dated June 30, 2021, with John Neri Construction Co., Inc., Rossi Contractors, Inc., and Benchmark Construction Co., Inc. for quick response construction work related to the Commission's Waterworks System (said being hereinafter collectively referred to as "Contract QR-12/21");

WHEREAS, Contract QR-12/21 is designed to allow the Commission to direct one or more or all the quick response contractors to perform quick response construction work, including without limitation construction, alteration, and repair related to the Commission's Waterworks System, as needed through the issuance of Work Authorization Orders; and

WHEREAS, the scope for quick response construction work could not have been reasonably foreseen at the time the contracts were signed;

WHEREAS, Work Authorization Order No. 016 was approved by the Board on November 17, 2022, with Benchmark Construction Co., Inc. to perform repairs to the West Discharge Tunnel and improve site drainage; and

WHEREAS, upon commencement of the work, significant corrosion was found on the 72-inch steel watermain that passes through the West Discharge Tunnel foundation wall; and

WHEREAS, Staff advised the Board on March 16, 2023, that additional emergency repair measures were required to alleviate potential catastrophic failure of the 72-inch steel water main.

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the DuPage Water Commission as follows:

SECTION ONE: The foregoing recitals are by this reference incorporated herein and made a part hereof as findings of the Board of Commissioners of the DuPage Water Commission.

SECTION TWO: The work Authorization Orders attached hereto and by this reference incorporated herein and made a part hereof as Exhibit 1 shall be and hereby are ratified because the Board of Commissioners of the DuPage Water Commission has determined, based upon the representations of staff, that the circumstances said to necessitate the ratified work Authorization Orders were not reasonably

foreseeable at the time the contracts were signed, the Work Authorization Orders are in the best interest of the DuPage Water Commission and authorized by law.

SECTION THREE: This Resolution shall be in full force and effect from and after its adoption.

	Aye	Nay	Absent	Abstain
Bouckaert, D.				
Cuzzone, N.				
Fennell, J.				
Healy, J.				
Novotny, D.				
Pruyn, J.				
Rush, K.				
Russo, D.				
Saverino, F.				
Suess, P.				
Van Vooren, D.				
Zay, J.				

ADOPTED THIS _____ DAY OF _____, 2023.

James Zay, Chairman

ATTEST:

Danna Mundall, Clerk

EXHIBIT 1

WORK AUTHORIZATION ORDER

SHEET 1 OF 2

CONTRACT QR-12/21: QUICK RESPONSE CONTRACT

WORK AUTHORIZATION ORDER NO.: QR-12.016 Rev.01

LOCATION:

DuPage Pump Station in Elmhurst

CONTRACTOR:

Benchmark Construction Co., Inc.

DESCRIPTION OF WORK:

In addition to all work described in WAO No. QR-12.016 provide and maintain controls, excavate full length around 72-inch steel water main between thrust blocks, remove existing coating from uncovered section of 72-inch steel water main, backfill the excavations, restore all disturbed areas, and all other work as described in the DuPage Pump Station Site Drainage Improvements documents, the following work is included to perform priority repairs to the severely corroded 72-inch steel water main as conditions warranted after excavation; perform additional abrasive blasting, install steel straps around the entire circumference of the affected areas, and apply new protective coatings to exposed piping, including dewatering, vacuum excavation, shoring, trench stabilization, backfill, and all equipment and labor necessary for the safe and efficient production of the same.

REASON FOR ADDITIONAL WORK:

To reinforce a section of 72-inch steel discharge water main and remediate corrosion found at the time of excavation.

MINIMUM RESPONSE TIME:

N/A

COMMISSION-SUPPLIED MATERIALS, EQUIPMENT AND SUPPLIES TO BE INCORPORATED INTO THE WORK:

N/A

THE WORK ORDERED PURSUANT TO THIS WORK AUTHORIZATION ORDER

WAS WAS NOT PRIORITY WORK

SUPPLEMENTARY NOTIFICATION OF POTENTIALLY HAZARDOUS CONDITIONS:

N/A

SUBMITTALS REQUESTED:

YES

SUPPLEMENTARY CONTRACT SPECIFICATIONS AND DRAWINGS:

YES

DUPAGE WATER COMMISSION

By: _____
Signature of Authorized
Representative

DATE: _____

CONTRACTOR RECEIPT ACKNOWLEDGED AND DESIGNATION OF SAFETY REPRESENTATIVE:

By: _____
Signature of Authorized
Representative

Safety Rep: _____
Name and 24-Hr Phone No.

DATE: _____



Resolution #: R-31-23

Account: 01-60-663100, \$105,610.00

Approvals: *Author / Manager / Finance / Admin*

D.P. RCB CAP PDM

REQUEST FOR BOARD ACTION

Date: 6/8/2023

Description: **A Resolution to Approve Certain Work Authorization Orders Under Quick Response Contract QR-12/21.**

Agenda Section: Engineering & Construction

Originating Department: Pipeline

The Commission entered into certain agreements dated June 30, 2021, with John Neri Construction Co., Inc., Rossi Contractors, Inc., and Benchmark Construction Co., Inc. for quick response construction work, through the issuance of Work Authorization Orders. Resolution No. R-31-23 would approve the following Work Authorization Orders under the Quick Response Contracts.

Work Authorization Order No.020 Rossi Contractors, Inc.

Pipeline and Remote facilities staff have identified 14 additional manhole frames & lids and cathodic protection handhole structures that require repairs. These repairs include breaking asphalt and/or concrete street bases, excavating existing frames and adjustment rings, and resetting, replacing, or installing new adjustment rings, frames, or lids. Staff also asked the QR contractors to provide an estimate for 3 future manhole repairs that may come up as an additional line item. Staff solicited cost estimates for this work from the three QR-12/21 contractors and the results are listed below:

Company	Estimated Cost
Rossi Contractors, Inc.	\$105,610.00
Benchmark Construction Co., Inc.	\$346,800.00
John Neri Construction Co., Inc.	\$370,000.00

Staff has contacted Rossi Contractors, Inc. as the low bid contractor, due to the price discrepancy between bidders and Rossi has confirmed they are standing by their proposal price.

Resolution R-31-23 would approve Work Authorization Order No. 020 to Rossi Contractors, Inc. for the work as described in Exhibit 1 to this resolution, at a total estimated cost of \$105,610.00. This cost includes additional 3 manhole frame repairs that may be needed in the future.

Recommended Motion:

To adopt Resolution No. R-31-23.

DuPAGE WATER COMMISSION

RESOLUTION NO. R-31-23

**A RESOLUTION APPROVING CERTAIN WORK AUTHORIZATION ORDERS
UNDER QUICK RESPONSE CONTRACT QR-12/21**

WHEREAS, the DuPage Water Commission (the "Commission") entered into certain agreements dated June 30, 2021, with John Neri Construction Co., Inc., Rossi Contractors, Inc., and Benchmark Construction Co., Inc. for quick response construction work related to the Commission's Waterworks System (said being hereinafter collectively referred to as "Contract QR-12/21");

WHEREAS, Contract QR-1/21 is designed to allow the Commission to direct one or more or all the quick response contractors to perform quick response construction work, including without limitation construction, alteration, and repair related to the Commission's Waterworks System, as needed through the issuance of Work Authorization Orders; and

WHEREAS, the scope for quick response construction work could not have been reasonably foreseen at the time the contracts were signed;

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the DuPage Water Commission as follows:

SECTION ONE: The foregoing recitals are by this reference incorporated herein and made a part hereof as findings of the Board of Commissioners of the DuPage Water Commission.

SECTION TWO: The work Authorization Orders attached hereto and by this reference incorporated herein and made a part hereof as Exhibit 1 shall be and hereby are approved and, if already issued, ratified because the Board of Commissioners of the DuPage Water Commission has determined, based upon the representations of staff, that the circumstances said to necessitate the work Authorization Orders were not reasonably foreseeable at the time the contracts were signed, the Work Authorization Orders are in the best interest of the DuPage Water Commission and authorized by law.

SECTION THREE: This Resolution shall be in full force and effect from and after its adoption.

	Aye	Nay	Absent	Abstain
Bouckaert, D.				
Cuzzone, N.				
Fennell, J.				
Healy, J.				
Novotny, D.				
Pruyn, J.				
Rush, K.				
Russo, D.				
Saverino, F.				
Suess, P.				
Van Vooren, D.				
Zay, J.				

ADOPTED THIS _____ DAY OF _____, 2023.

James Zay, Chairman

ATTEST:

Danna Mundall, Clerk

EXHIBIT 1

WORK AUTHORIZATION ORDER

SHEET 1 OF 3

CONTRACT QR-12/21: QUICK RESPONSE CONTRACT

WORK AUTHORIZATION ORDER NO.: QR-12.020

LOCATION:

Various locations throughout Commission transmission and distribution system, see attached map book.

CONTRACTOR:

Rossi Contractors, Inc.

DESCRIPTION OF WORK:

Repairs include breaking asphalt and/or concrete street bases, excavating existing frames and adjustment rings, and resetting, replacing, or installing new adjustment rings, frames, or lids at 14 discrete locations plus an additional 3 locations if deemed necessary and so directed by the Commission.

REASON FOR WORK:

Manhole lid and repairs are needed to maintain infrastructure and improve safe access to our pipeline facilities.

MINIMUM RESPONSE TIME:

N/A

COMMISSION-SUPPLIED MATERIALS, EQUIPMENT AND SUPPLIES TO BE INCORPORATED INTO THE WORK:

DWC will supply all frames and lids needed for the repairs, the contractor is to provide everything else.

THE WORK ORDERED PURSUANT TO THIS WORK AUTHORIZATION ORDER

IS IS NOT PRIORITY WORK

SUPPLEMENTARY NOTIFICATION OF POTENTIALLY HAZARDOUS CONDITIONS:

N/A

SUBMITTALS REQUESTED:

N/A

SUPPLEMENTARY CONTRACT SPECIFICATIONS AND DRAWINGS:

See attached.

DuPAGE WATER COMMISSION

By: _____
Signature of Authorized
Representative

DATE: _____

CONTRACTOR RECEIPT ACKNOWLEDGED AND DESIGNATION OF SAFETY REPRESENTATIVE:

By: _____ Safety Rep: _____
Signature of Authorized Name and 24-Hr Phone No.
Representative

DATE: _____



MEMORANDUM

To: Paul May, General Manager
From: Cheryl Peterson, Financial Administrator
Date: 6/6/2023
Subject: Accounts Payable Listings

Following is a summary of the Accounts Payable to be considered at the June 15, 2023, Commission meeting:

May 10, 2023, to June 6, 2023, A/P Report	\$11,132,691.17
Accrued and estimated payments required before July 2023 Commission meeting	<u>2,610,875.00</u>
Total	<u>\$13,743,566.17</u>

cc: Chairman and Commissioners



Payable Number	Description	Post Date	Payable Amount	Payable Count	Net Amount
Payable Account: 01-211000 - ACCOUNTS PAYABLE					
Vendor: 2387 89791	ADVANTAGE TRAILER AND HITCHES Inspection and Repairs on Atlas Trailer	05/31/2023	1,309.99	Payable Count: (1)	1,309.99 1,309.99
Vendor: 1663 2000752922 2000754890	AECOM Hydraulic Model Calibration Lexington Pump Station - Condition Assessment	05/18/2023 05/18/2023	16,085.38 42,889.80	Payable Count: (2)	58,975.18 16,085.38 42,889.80
Vendor: 1052 4707286	ARTHUR J. GALLAGHER RISK MANAGEMENT SERVICES, INC. Agency Contract Fee: 7/9/23-7/9/24	05/31/2023	30,385.00	Payable Count: (1)	30,385.00 30,385.00
Vendor: 2173 SRV23-02612	Atomatic Mechanical Services, Inc. Repairs to Chiller Phase Monitors	05/31/2023	2,078.35	Payable Count: (1)	2,078.35 2,078.35
Vendor: 1162 2332383	BEE CLEAN SPECIALTIES, LLC Semi-annual Air Cleaner Service	05/31/2023	140.00	Payable Count: (1)	140.00 140.00
Vendor: 2264 FB36476	CAROLLO Alternative Water Supply System Study	05/16/2023	38,561.35	Payable Count: (1)	38,561.35 38,561.35
Vendor: 1023 JX29909	CDW Government IT Equipment for new office	06/06/2023	735.58	Payable Count: (1)	735.58 735.58
Vendor: 1135 INV0006823	CITY OF CHICAGO SUPERINTENDENT OF WATER COLLECTION WATER BILLING: May 2023	05/31/2023	10,979,785.28	Payable Count: (1)	10,979,785.28 10,979,785.28
Vendor: 2320 133618815	Crown Equipment Corporation Fill Link for Forklift Batteries	05/25/2023	100.00	Payable Count: (1)	100.00 100.00
Vendor: 2286 INV0006796	DAVID CHAPMAN Locator Training - Expense Reimbursement	05/23/2023	149.34	Payable Count: (1)	149.34 149.34
Vendor: 1283 INV216999	E.H. WACHS Portable Valve Operator	05/31/2023	7,495.00	Payable Count: (1)	7,495.00 7,495.00
Vendor: 1570 2510501	FIVE STAR SAFETY EQUIPMENT, INC. Pulley Tripods	05/31/2023	470.00	Payable Count: (1)	470.00 470.00
Vendor: 1904 01426889 01428858	IT SAVVY LLC Lenovo ThinkStation Power Supply for HPE Server	05/30/2023 06/06/2023	3,415.67 314.44	Payable Count: (2)	3,730.11 3,415.67 314.44
Vendor: 2378 INV2464546065258	Kaseya US, LLC Online Backup Service	05/18/2023	2,057.24	Payable Count: (1)	2,057.24 2,057.24
Vendor: 2130 78290	Lauterbach & Amen, LLP Professional Services: GASB 74/75 Report	05/18/2023	2,860.00	Payable Count: (1)	2,860.00 2,860.00
Vendor: 1054 97948284 98716544	MCMMASTER-CARR SUPPLY COMPANY Pipeline Supplies Hex Bits for ROV's	05/23/2023 05/31/2023	327.15 336.00	Payable Count: (2)	663.15 327.15 336.00
Vendor: 2189 INV0006787	NCPERS Group Life Ins. NCPERS - IMRF 6641	05/26/2023	44.28	Payable Count: (1)	44.28 44.28
Vendor: 2240 462798	O'Leary's Contractors Equipment & Supply, Inc. Arrow Board Annual Inspection	05/23/2023	177.38	Payable Count: (1)	177.38 177.38
Vendor: 1813 FOCS199113	ROESCH FORD Vehicle Maint: M228277	05/16/2023	381.77	Payable Count: (1)	381.77 381.77

Board Open Payable Report

As Of 06/06/2023

Payable Number	Description	Post Date	Payable Amount		Net Amount
Vendor: 2163 9383395	Sterling Talent Solutions Background Checks	05/18/2023	704.40	Payable Count: (1)	704.40 704.40
Vendor: 2029 0000307091	TREE TOWNS IMAGING & COLOR GRAPHICS Document Printing	05/31/2023	84.00	Payable Count: (1)	84.00 84.00
Vendor: 1404 1823	VIKING AWARDS, INC. Retirement Plaque	05/18/2023	137.10	Payable Count: (1)	137.10 137.10
Vendor: 2096 INV0006826	William A. Fates Service as Treasurer: June 2023	06/06/2023	1,666.67	Payable Count: (1)	1,666.67 1,666.67
			Payable Account 01-211000	Payable Count: (26)	Total: 11,132,691.17

Payable Account Summary

Account	Count	Amount
01-211000 - ACCOUNTS PAYABLE	26	11,132,691.17
Report Total:	26	11,132,691.17

Payable Fund Summary

Fund	Count	Amount
01 - WATER FUND	26	11,132,691.17
Report Total:	26	11,132,691.17

DUPAGE WATER COMMISSION
ITEMS TO BE PAID BY 7-20-23
Board Meeting Date: June 15, 2023

Estimate Amount	Description	Check Number	Payment Date	Payment Amount
55,000.00	Blue Cross Blue Shield - Health Insurance			
8,000.00	Euclid Managers - Dental Insurance			
12,000.00	Illinois Public Risk Fund - Workers Comp.			
200.00	Envision Health Care - Administration Fees			
400.00	Healthiest You			
150.00	NCPERS - IMRF			
22,000.00	ComEd - Utility Charges			
400,000.00	Mid American Energy Services - Utility Charges			
180,000.00	City of Chicago - Lexington, Electric			
35,000.00	City of Chicago - Lexington Labor Costs			
35,000.00	City of Chicago - Repairs & Maintenance			
2,000.00	City of Naperville -Meter Station Electric Bills			
15,000.00	Nicor - Gas			
400.00	Comcast - Internet Service			
3,000.00	AT & T - Telephone Charges			
3,000.00	AT & T - Scada Backhaul Network/IP Flex			
1,000.00	Fed - Ex - Postage/Delivery			
5,000.00	Procurement Card Charges			
200.00	Anderson - Pest Control			
400.00	Republic Services - Disposal Services			
500.00	Aramark - Supplies			
1,000.00	Cintas- Supplies			
200.00	Elecsys - Cell Data Services			
3,500.00	AL Warren - Fuel			
600.00	Toshiba - Copy and Leas Charges			
2,500.00	Multisystem Management - Cleaning Services			
625.00	Pitney Bowes - Postage			
8,000.00	Grainger - Supplies for Operations			
2,500.00	Verizon - Wireless Service			
300.00	Verizon Connect - Diagnostics			
50.00	City of Aurora - Microbial Analysis			
150.00	Logical Media - Hosting Services			
1,700.00	William Fates - Treasurer			
6,000.00	Baker Tilly			
15,000.00	Schrott, Luetkehans & Garner, LLC			
7,000.00	IT Savvy - Network Support			
200.00	Alexander Kefaloukos - Security			
600.00	Red Wing - Uniforms			
100.00	Elmhurst Occupational Health - New employee			
500.00	Elmhurst Standard Plaza - Vehicle Maintenance			
200.00	Sooper Lube - Vehicle Maintenance			
200.00	Sterling - Background Checks			
1,500.00	Storino Ramello & Durkin			
500.00	Local 399 Training courses			
4,000.00	Beary - Landscaping			
1,000.00	Beary - Irrigation Repairs			
2,000.00	Beary - Tanksite Landscaping			
2,000.00	Bedrock - Landscaping			
70,000.00	BigTop Shelters - Fabric Canopy Shelter			
1,000.00	Construction Safety Council - Excavation Hazard Awareness Training for Pipeline/Project Engineer			
300.00	Ebe's Ace Hardware - Project Supplies			
2,500.00	Farwest - New Anodes and Test Station Appurtenances for TIB			
7,500.00	Farwest - Flush Fink Test Stations			
9,000.00	FE Moran - Repairs to Fire Protection System			
5,500.00	FE Moran - Annual Fire Sprinkler and Ecaro Inspections for FY 24			
700.00	Five Star Safety - Parts for Multi-Gas Detectors			
7,000.00	Gasvoda - Worm Gear for EIM Actuators			
13,000.00	Hach - Monthly Chemicals			
30,000.00	HazChem - Environmental Cleaning up & Testing			
600.00	Home Depot - Project Supplies			
10,000.00	ITSavvy - FireEye Helix Endpoint Protection/Email Threat Renewal			
3,200.00	Joliet Junior College - Electrical Training			
1,800.00	Joliet Junior College - Electrical Training			
100.00	McMaster Carr - Switch for CP Board Coupon Disconnect			
1,600.00	Mike Weed - IFMA Conference Expense Reimb			

DUPAGE WATER COMMISSION
ITEMS TO BE PAID BY 7-20-23
Board Meeting Date: June 15, 2023

1,200.00	Motorola - Starcom21
2,300.00	Oak Security - Medeco XT Web Hosting Services
600.00	OCV Control Valve - Rebuild Kit for Meter Shop
1,500.00	Office Depot - Office Supplies
1,000.00	Program One - Window Cleaning
300.00	Red Wing - Safety Shoes - McAvoy
300.00	Red Wing - Safety Shoes - Maheras
300.00	Red Wing - Safety Shoes - Scurek
8,000.00	Rhino Marketing & Protection Systems - TrView Test Stations
18,000.00	Schneider - Security Camera Demo Unit
900.00	Specialty Mat - Mat Service
2,700.00	Standard Equipment Co - Annual Service/Safety Inspection
300.00	Staples - Office Supplies
11,000.00	Valmatic - Replacement Valve for Meter Test Bench
2,000.00	Villa Park Office Equipment - Desk
1,200.00	Wachs - Repairs to Electric Valve Operator
12,000.00	Accenture - Hexagon/Infor Consulting Support Services
500,000.00	Baxter and Woodman/Boller Construction
30,000.00	Carollo - SCADA Replacement
20,000.00	Strand - SCADA Replacement
75,000.00	McWilliams - Generator Building UPS Replacement
10,000.00	Volt - HLP 9 Electrical Service
35,000.00	Meccon - HLP 9 Transportation/Installation
25,000.00	Superior Industrial Equipment - HLP 9 Mechanical Seal Service
20,000.00	Benchmark - TE-06/22 Cathodic Protection
20,000.00	Benchmark - Nicor Interference
20,000.00	Benchmark - TIB Test Wells
15,000.00	Benchmark - Heathers
40,000.00	DeLasCasas - Stray Current Mitigation Resident Engineering
75,000.00	DeLasCasas - Annual Corrosion Testing
15,500.00	NIS - Indeterminate Need
4,000.00	NIS - RCS Inspection
30,000.00	Farwest - CP Parts
28,000.00	Schneider Electric - BAS System Upgrade
125,000.00	Pure Technologies - Valve Assessments
40,000.00	Dixon Engineering - Specifications/design for recoating
186,000.00	GP Maintenance Service - Recoating Influent/Effluent
100,000.00	JJH - Generator Building
50,000.00	Greeley & Hansen - Resident Engineer Services
5,000.00	CGMT - Concrete Testing
1,500.00	Jessica Haney - Tuition Reimbursement
300.00	City of Elmhurst
20,000.00	Julie
40,000.00	Carollo - Alternative Water Supply System Study
3,000.00	Commissioners Checks
10,000.00	Sikich - FY 2023 Audit
<u>2,610,875.00</u>	