



## AGENDA – Engineering and Construction Committee

Thursday, August 17, 2023 6:00 PM

### Committee Members

J. Fennell, Chair  
D. Bouckaert  
D. Novotny  
F. Saverino  
J. Zay

- I. Roll Call
- II. Approval of the June 15, 2023, Engineering & Construction Committee Minutes

RECOMMENDED MOTION: To approve the Minutes of the June 15, 2023, Engineering & Construction Committee Meeting of the DuPage Water Commission.

- III. Report of Status of Operations and Construction
- IV. **Resolution No. R-34-23:** A Resolution Approving and Ratifying Certain Change Orders for a Contract for the Influent, Effluent, and 72" Meter Building Coatings Rehabilitation (Contract PSD-11/22) **(Final Acceptance and Net Contract Price Reduction by \$23,800.00)**
- V. **Resolution No. R-35-23:** A Resolution Approving and Ratifying Certain Change Orders for a Contract for the Construction of DPPS Emergency Generation System Modifications (Contract PSD-10/22) **(Time Extension of 61 Calendar Days and Net Contract Price Reduction by \$137,018.75)**
- VI. **Resolution No. R-38-23:** A Resolution to Ratify the Engineering Contract for WaterLink Pipeline Extension **(LAN and Associates – Phase I Services – \$4,263,649.00)**
- VII. **Resolution No. R-39-23:** A Resolution to Authorize IGA with NSMJAWA, NWC and DWC for Source Water Validation **(Estimated Study Cost of \$75,000.00 to be evenly divided between all three entities)**
- VIII. **Resolution No. R-40-23:** A Resolution Authorizing an Engineering Contract with Burns and McDonnell to validate the Carollo Source Water Alternative Study **(Estimated Cost of \$75,000.00)**

- IX. **Resolution No. R-41-23:** A Resolution Approving and Ratifying Certain Change Orders to a Contract for the SCADA Replacement Project (Contract PSD-9/21) **(Net decrease in Contract Price by \$233,718.76)**
- X. **Resolution No. R-44-23:** A Resolution Requesting Suspension of Purchasing Procedures and Authorizing the General Manager to Procure Installation Services for Two (2) Custom Fabric Storage Structures from a Sole Source Service Provider **(No Change in Contract Price)**
- XI. **Resolution No. R-45-23:** A Resolution Approving and Ratifying a First Amendment to Task Order No. 14 Under a Master Task Order Agreement with AECOM Technical Services **(Increase in Cost Not-To-Exceed an additional \$20,000.00)**

RECOMMENDED MOTION: To recommend approval of Items 2 through 9 of the Engineering and Construction Committee portion of the Commission Agenda.

- XII. Other
  - a. Status of Lexington Pump Station Condition Assessment
- XIII. Adjournment

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**Minutes of a Meeting  
of the**

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**ENGINEERING & CONSTRUCTION COMMITTEE**

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

June 15, 2023

Commissioner Saverino called the meeting to order at 6:00 P.M.

Committee members in attendance: D. Bouckaert, D. Novotny, F. Saverino, and J. Zay

Committee members absent: J. Fennell

Also in attendance: C. Bostick, D. Cuvalo and J. Haney

Commissioner Bouckaert moved to approve the Minutes of the May 18, 2023, Engineering & Construction Committee Meeting of the DuPage Water Commission. Motion seconded by Commissioner Novotny and unanimously approved by a Voice Vote.

Manager of Water Operations Bostick provided a synopsis of the ongoing maintenance and repair activities as listed in the Report of Status of Construction/Operations as well as the status of Capital Improvement projects.

Manager of Water Operations Bostick reported that 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, the motor has been delivered and set in place, and delivery and reinstallation of the tentatively scheduled for late June or early July.

Regarding Resolution R-30-23, Manager of Water Operations Bostick advised the Committee this resolution 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. Manager of Water Operations Bostick advised the Committee that Staff had foreshadowed the additional costs with the Committee several months ago and reported the conditions found at that time.

Regarding Resolutions R-24-23 and R-25-23, Manager of Water Operations Bostick advised the Committee both actions are the logical next steps in the process of cathodically protecting three transmission mains by adding design, installation and commissioning services performed by DeLasCasas, LLC and Northern Inspection Services, LLC respectively.

Manager of Water Operations Bostick advised the Committee Task Order No. 01 with Donohue and Associates for design services related to necessary improvements to ROV10A has commenced with an anticipated completion of 180 days.

Manager of Water Operations Bostick advised the Committee Resolution R-26-23 seeks approval of Change Order No. 2 to the Contract for DPPS Emergency Generation System Modifications (Contract PSD-10/22) to furnish and install insulated panels for the Outside Air Intake Plenum which was

unintentionally omitted from the contract documents. Manager of Water Operations Bostick also advised the Committee that structural masonry work has resumed after a long delay in approval of alternate building materials to suit the needs of the Commission.

Regarding the WaterLink Communities (Montgomery, Oswego and Yorkville), Manager of Water Operations Bostick advised the Committee that 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; three (3) firms were short listed for in-person presentations and interviews which were held on May 18<sup>th</sup>; and, at which time LAN and Associates, including subconsultants Stanley Consultants, Inc. and Robinson Engineering, were selected as the most qualified firm and design team to provide the design services. Manager of Water operations Bostick advised that R-28-23 appears on the agenda to award Task order No. 02 to LAN in the amount of \$4,263,649.00. Manager of Water Operations Bostick further advised the Committee that certain actions being considered in the Administration Committee will approve the funding mechanism for the work of LAN by the Waterlink Communities.

Regarding R-31-23 Manager of Water Operations Bostick advised the Committee this item seeks approval of a Work Authorization Order with Rossi Contractors to perform manhole frame and lid replacements at up to twenty-seven (27) sites throughout the Commission's service area.

Commissioner Saverino inquired with the Committee if there were any further questions regarding the action items. Hearing none, Commissioner Saverino moved to recommend approval of items 2 and 7 of the Engineering and Construction Committee portion of the Commission Agenda. Seconded by Commissioner Boukaert and unanimously approved by a Voice Vote.

Under Other Business, regarding the Lexington Pump Station (LXPS) Condition Assessment, Manager of Water Operations Bostick reported that AECOM Technical Services and staff have nearly completed a comprehensive Condition Assessment of the Lexington Pump Station's critical facilities and the draft final report lists approximately two dozen critical items that are in a state of failure or imminent failure. Manager of Water Operations Bostick provided a history of the existing agreements in which the Commission is to participate in the maintenance of LXPS including a 2007 "enhanced" maintenance agreement where the Commission is fund the maintenance activities in order ensure the timely completion of necessary maintenance. In summary, Manager of Water Operations Bostick provided a short list of the critical items; the malfunctioning SCADA system since 2013; the malfunctioning variable frequency drives and motor assemblies; failures in the emergency generation systems operations; the removal of pump and motor vibration monitoring systems; the malfunctioning Photovoltaic System as the larger items which require further study and evaluation. s due by late May and tentatively, a report to the Committee will be delivered at the June meeting Manager of Water Operations Bostick also advised that the "enhanced" agreement dictated that the Commission is to receive operation and maintenance data from the LXPS to which all requests for documentation have been rebuffed with the City stating the equipment repair invoicing should suffice. Manager of Water Operations Bostick concluded the report stating the staff of LXPS are experienced in their respective discipline, however the inherent knowledge to operate the LXPS to serv the Commission is lacking and Commission Staff continues to work with LXPS staff to coordinate operational parity between the LXPS and DuPage Pump Station.

Manager of Water Operations Bostick advised the Committee that AECOM continues to develop costs and priorities to repair and update the LXPS to the optimal operational condition and the draft fial

June 15, 2023

report should be tendered by the end of June where the report will be shared with the Commission and the City for further discussions.

Commissioner Saverino inquired the Committee if any other business or other items to be discussed. Hearing none, and with no other items coming before the Committee, Commissioner Saverino moved to adjourn the meeting at 6:24 P.M. Seconded by Commissioner Novotny and unanimously approved by a Voice Vote.

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## MEMORANDUM

**To:** Paul May – General Manager

**From:** Chris Bostick – Manager of Water Operations ~~RCB~~

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

**Date:** 7/13/2023

**Subject:** Status of Operations and Construction

### Operations Overview

The Commission's sales for the month of June 2023 were a total of 2.99 billion gallons. This represents an average daily demand of 99.7 million gallons per day (MGD), which is higher than the June 2022 average day demand of 90.2 MGD. The maximum day demand was 116.8 MGD recorded on June 22, 2023, which is higher than the June 2022 maximum day demand of 111.6 MGD. The minimum day flow was 82.6 MGD.

The Commission's recorded total precipitation for the month of June 2023 was 2.65 inches compared to 2.66 inches for June 2022. The level of Lake Michigan for June 2023 is 579.30 (Feet International Great Lakes Datum (IGLD) 1985) compared to 580.09 (Feet IGLD 1985) for June 2022.

### Operations & Instrumentation Maintenance and Construction Overview

The DuPage Pump Station's High Lift Pump (HLP) and Motor rehabilitation program include 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 complete, delivery of the motor occurred on April 6th, and reinstallation and assembly of the pump and motor are scheduled for July 12.

The start-up of newly installed water quality monitoring equipment, at various locations throughout the distribution system, is ongoing. Currently, nine (9) units are active and monitoring, and six (6) units are in the process of being installed with start-up tentatively scheduled for August 2<sup>nd</sup>.

### **Lexington Pump Station**

AECOM Technical Services and Staff have completed the draft report of the comprehensive Condition Assessment of the Lexington Pump Station's critical facilities. 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.

The annual cathodic Test Point and Close Interval Survey for the pipeline transmission and distribution system is 75% complete. Staff anticipates completing approximately 85%, or roughly 170 miles of pipeline this year.

### **Engineering & Capital Improvement Program Overview**

The DPPS Emergency Generation System Modifications (Contract PSD-10/22) project is ongoing. The contractor has installed all concrete masonry block for the addition of the new building. They will continue to lay bricks and install precast paneling in the coming months. The Contract Completion Date remains as February 24, 2024. A Change Order request will be brought forth for consideration at a future Commission meeting requesting an extension of the Completion Date due to supply chain delays, amongst other items requiring attention.

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.

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 complete.

New cathodic protection galvanic anode beds have been installed at various locations across various transmission mains. The anodes are put in place to protect 72" and 36" diameter steel pipeline that currently did not meet cathodic protection standard criteria and were being impacted by stray current.

### **WaterLink Communities (Montgomery/Oswego/Yorkville)**

The Phase I engineering has commenced and is rapidly progressing with data gathering, site surveying, topographical surveying and determining ownership and control of parcels along all potential alternative pipe routes. Staff and the LAN and Associates engineering team has actively engaged several of the stake holders and affected state, county municipal and other private agencies along the potential routes. Several workshops regarding construction material and appurtenances are being scheduled for Staff evaluation and eventual inclusion into the design specifications.

### **SCADA & Information Technology Overview**

The SCADA Replacement Project (Contract PSD-9/21) is ongoing. The Control Room remodel is nearly complete, with the final finishes and punch list work yet to be performed. The new SCADA system continues to take 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. The project is progressing under budget and on schedule. A detailed Change Order request will be brought forth for consideration at a future Commission meeting which includes several credits and extras.

### **Attachments**

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

DU PAGE WATER COMMISSION  
WATER SALES ANALYSIS

01-May-92 TO 30-Jun-23

PER DAY AVERAGE 78,105,619

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
Jun-23	2,971,436,000	3,043,540,086	97.63%	\$16,016,040.04	\$13,814,628.45	678,930	0.02%	97.65%	\$5.39	\$4.539
TOTALS (1)	889,076,260,798	914,745,856,909	97.19%	\$2,171,743,772.34	\$1,920,226,150.95	862,935,511	0.09%	97.29%	\$2.44	\$2.099

(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

Jun-22	4,958,993,000	5,116,754,765	96.92%	25,687,584	21,631,704			\$5.18	\$4.228
Jun-23	5,445,813,000	5,583,980,919	97.53%	29,352,932	24,794,414			\$5.39	\$4.440
	486,820,000	467,226,154		\$3,665,348	\$3,162,709				
	9.8%	9.1%		14.3%	14.6%				
Month									
Jun-22	2,682,480,000	2,772,533,130	96.75%	13,895,246	11,982,888			\$5.18	\$4.322
Jun-23	2,971,436,000	3,043,540,086	97.63%	16,016,040	13,814,628			\$5.39	\$4.539
	288,956,000	271,006,956		\$2,120,794	\$1,831,720				
	10.8%	9.8%		15.3%	15.3%				
June>May	497,059,000	503,099,253		2,679,148	2,834,843				

DUPAGE WATER COMMISSION  
PWS FACILITY ID# - IL435400  
MONTHLY OPERATIONS REPORT  
DUPAGE WATER COMMISSION LABORATORY BENCH SHEET RESULTS  
JUNE 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	1.42	0.08	0.60	1.37	0.08	58	7.4	1.0	0.59	0	BM
2	1.43	0.07	0.60	1.35	0.08	58	7.3	1.0	0.60	0	BM
3	1.40	0.07	0.61	1.38	0.08	58	7.4	1.0	0.62	0	KD
4	1.30	0.07	0.62	1.37	0.07	59	7.2	1.0	0.58	0	KD
5	1.15	0.08	0.62	1.24	0.09	62	7.1	1.0	0.60	0	KD
6	1.18	0.12	0.59	1.38	0.09	62	7.2	1.0	0.62	0	KD
7	1.22	0.09	0.60	1.31	0.09	63	7.3	1.0	0.60	0	KD
8	1.32	0.12	0.61	1.31	0.10	65	7.5	1.0	0.59	0	KD
9	1.35	0.11	0.62	1.33	0.08	63	7.1	1.0	0.58	0	KD
10	1.37	0.10	0.60	1.35	0.08	63	7.2	1.0	0.58	0	RC
11	1.36	0.08	0.58	1.34	0.09	64	7.4	1.0	0.59	0	RC
12	1.29	0.08	0.56	1.21	0.12	63	7.3	0.9	0.62	0	KD
13	1.37	0.11	0.64	1.32	0.10	63	7.1	1.0	0.65	0	KD
14	1.36	0.10	0.61	1.25	0.11	63	7.4	1.0	0.60	0	RC
15	1.41	0.11	0.55	1.32	0.11	63	7.2	1.0	0.58	0	RC
16	1.36	0.09	0.60	1.27	0.09	63	7.4	1.0	0.58	0	RC
17	1.34	0.09	0.61	1.25	0.09	63	7.3	1.0	0.59	0	KD
18	1.32	0.09	0.62	1.11	0.10	63	7.2	1.0	0.66	0	KD
19	1.35	0.11	0.60	1.37	0.11	62	7.2	1.0	0.62	0	RC
20	1.34	0.08	0.62	1.29	0.10	62	7.2	1.1	0.60	0	RC
21	1.30	0.09	0.63	1.22	0.10	63	7.2	1.0	0.62	0	KD
22	1.34	0.08	0.62	1.31	0.08	64	7.1	1.0	0.62	0	KD
23	1.24	0.09	0.63	1.29	0.10	64	7.2	1.0	0.56	0	KD
24	1.30	0.10	0.61	1.26	0.14	65	7.1	1.0	0.60	0	RC
25	1.34	0.09	0.60	1.30	0.11	65	7.3	1.0	0.59	0	AM
26	1.17	0.10	0.61	1.29	0.12	66	7.1	1.0	0.58	0	KD
27	1.34	0.08	0.65	1.30	0.09	65	7.1	1.0	0.64	0	KD
28	1.32	0.08	0.63	1.25	0.10	66	7.1	1.1	0.61	0	RC
29	1.36	0.08	0.63	1.16	0.10	66	7.3	1.1	0.62	0	RC
30	1.47	0.07	0.62	1.36	0.08	66	7.2	1.0	0.61	0	RC
AVG.	1.33	0.09	0.61	1.30	0.10	63	7.2	1.0	0.60	0	
MAX.	1.47	0.12	0.65	1.38	0.14	66	7.5	1.1	0.66	0	
MIN.	1.15	0.07	0.55	1.11	0.07	58	7.1	0.9	0.56	0	

  
Mike Weed, Operations Supervisor  
Illinois ROINC # 186860234

7/6/23  
Date



## 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:** 8/10/2023

**Subject:** Status of Operations and Construction

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### **Operations Overview**

The Commission's sales for the month of July 2023 were a total of 2.55 billion gallons. This represents an average daily demand of 82.5 million gallons per day (MGD), which is lower than the July 2022 average day demand of 91.3 MGD. The maximum day demand was 95.7 MGD recorded on July 25, 2023, which is lower than the July 2022 maximum day demand of 107.8 MGD. The minimum day flow was 72.1 MGD.

The Commission's recorded total precipitation for the month of July 2023 was 7.61 inches compared to 4.50 inches for July 2022. The level of Lake Michigan for July 2023 is 579.79 (Feet International Great Lakes Datum (IGLD) 1985) compared to 580.09 (Feet IGLD 1985) for July 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 complete, delivery of the motor occurred on April 6<sup>th</sup>; reinstallation and assembly of both pump and motor are underway.

The start-up of newly installed water quality monitoring equipment, at various locations throughout the distribution system, is ongoing. Currently, fourteen (14) units are active and monitoring, and one (1) unit is in the process of being installed.

### **Lexington Pump Station**

AECOM Technical Services has submitted the final draft report of the Condition Assessment of the Lexington Pump Station's critical facilities. A report has been delivered to the Committee for review and discussion in Other Business.

### **Alternate Water Source**

in April 2023, the Board of Commissioners received a report and presentation from the engineering firm Carollo Inc, for various source water alternatives.

Potential partners, North Suburban Municipal Joint Action Water Agency (NSMJAWA) and the Northwest Water Commission (NWC) have expressed interest in a regional project. Carollo is in process of updating the report to include consideration regarding how additional partners would impact the route and scale of the proposed infrastructure. The updated Carollo report is expected in mid-August. After receipt of the Carollo update, it is recommended to engage a third-party engineering consultant to validate the findings of the updated Carollo report for the north route. R-39-23 appears on the agenda as an IGA to support the costs to validate the Carollo Study by the third-party at an estimated cost of \$75,000. The expense of this validation work will be shared equally between DWC, NSMJAWA and NWC.

R-40-23 appears on the agenda seeking approval of Task Order No. 02 with Burns and McDonnell Engineering to provide professional consulting services to support the Commission with its efforts to review and evaluate the reasonableness of the Alternative Water Supply Study Report previously provided and inclusive of forthcoming supplements developed by Carollo in consideration of the possibility of collaboration with NSMJAWA and NWC. The estimated cost for the evaluation work is \$75,000.00.

### **Pipeline & Remote Facilities Maintenance and Construction Overview**

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

Remote Facilities Staff continues inspecting Remotely Operated Valves and performing maintenance work on existing Cathodic Protection Test Stations.

The annual cathodic Test Point and Close Interval Survey for the pipeline transmission and distribution system is completed. Staff so far has surveyed 170 miles of pipe.

Pursuant to R-19-23, the Board approved the purchase and installation of two (2) fabric storage structures from Big Top Manufacturing. What wasn't clear at the time was that Big Top has a sole-source installer to maintain structural integrity and warranty provisions. R-44-

23 appears on the agenda seeking approval to suspend purchasing procedures and issue a Purchase Order to the sole source installing firm, Casey General, LLC. The overall costs to purchase and install the fabric structures remains as is.

### **Engineering & Capital Improvement Program Overview**

The DPPS Emergency Generation System Modifications (Contract PSD-10/22) project is ongoing. The contractor continues installing the masonry and precast panels. Resolution R-35-23 appears on the agenda seeking approval of Change Order No. 03 seeking approval of a Contract Price reduction of \$137,018.75 and an extension of the Contract Completion Date by 61 calendar days. Staff and the Engineer feel this change is warranted due to the Contractor's inability to supply the specified structural glazed tile to match existing and allowing substitution of painted common concrete masonry units in their place.

The Coating Rehabilitation Contract (PSD-11/22) work has been completed. Resolution R-34-23 appears on the agenda seeking Final Completion and approval of Change Order No. 02. The Change Order No. 02 seeks to roll back the costs of unused equipment and extend the Contract Completion Date by 66 Calander Days to July 5, 2023. The reason to seek the time extension is due to delayed coating application until ambient environmental conditions were more favorable to achieve a successful product application. Change Order No. 02 would also authorize the General Manager to issue final payment upon receipt of all contractually required documentation.

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.

### **WaterLink Communities (Montgomery/Oswego/Yorkville)**

The Phase I engineering continues rapid progress with data gathering, site surveying, topographical surveying and determining ownership and control of parcels along all potential alternative pipe routes. Staff and the LAN and Associates engineering team continues to actively engage stake holders and affected state, county municipal and other private agencies along the potential routes. Several workshops regarding construction material and appurtenances are being scheduled in August for staff evaluation and eventual inclusion into the design specifications. The Engineer's monthly status report is included within the Board packet.

R-38-23 appears on the agenda to Ratify the engineering contract with LAN and Associates commensurate with the approval of the engineering funding IGA as approved by the Commission and the respective Boards of Montgomery, Oswego, and Yorkville (the Water Link Communities). This action would authorize the expenditures not to exceed \$4,263,649

from escrow fund accounts as established by the IGA and as funding is supplemented from time to time from the Waterlink Communities.

**SCADA & Information Technology Overview**

The SCADA Replacement Project (Contract PSD-9/21) is ongoing. Resolution R-41-23 appears on the agenda as Change Order No. 03 for necessary modifications to the Work at a net cost reduction of \$233,718.76, decreasing the Contract Value by 1.45% to \$15,870,704.16. The Control Room remodel is nearing completion, the remaining work includes doorway carpentry, glazing, and a handful of miscellaneous punch list items. Furthermore, with the Control Room TV wall, there was a delay with the AV system hardware which is now expected to be delivered in late October. The SCADA system programming continues to be developed and is on schedule with Concentric Integration’s control system acceptance testing and installation plans. The SCADA system graphic and screen development is also making significant progress with a majority of the Lexington and DuPage Pump Station screens nearing final completion. Workshops are continuing in preparation for upcoming tasks such as the DPPS UPS installation, the fiber duct bank installation, the campus fiber backbone replacement, and most importantly the DWC campus control panel replacement. The project is progressing under budget and on schedule.

**August 2023 Commission Agenda Items:**

- Resolution No. R-33-23:** A Resolution Approving and Authorizing the Execution of a Memorandum of Understanding for Geographic Information System Data Sharing with Kane County, Illinois **(No Cost This Action)**
- Resolution No. R-34-23:** A Resolution Approving and Ratifying Certain Change Orders for a Contract for the Influent, Effluent, and 72” Meter Building Coatings Rehabilitation (Contract PSD-11/22) **(Final Acceptance and Net Contract Price Reduction by \$23,800.00)**
- Resolution No. R-35-23:** A Resolution Approving and Ratifying Certain Change Orders for a Contract for the Construction of DPPS Emergency Generation System Modifications (Contract PSD-10/22) **(Time Extension of 61 Calendar Days and Net Contract Price Reduction by \$137,018.75)**
- Resolution No. R-38-23:** A Resolution to Ratify the Engineering Contract for WaterLink Pipeline Extension **(LAN and Associates – Phase I Services – \$4,263,649.00)**
- Resolution No. R-39-23:** A Resolution to Authorize IGA with NSMJAWA, NWC and DWC for Source Water Validation **(Estimated Study Cost of \$75,000.00 to be evenly divided between all three entities)**

- Resolution No. R-40-23:** A Resolution Authorizing an Engineering Contract with Burns and McDonnell to validate the Carollo Source Water Alternative Study **(Estimated Cost of \$75,000.00)**
- Resolution No. R-41-23:** A Resolution Approving and Ratifying Certain Change Orders to a Contract for the SCADA Replacement Project (Contract PSD-9/21) **(Net decrease in Contract Price by \$233,718.76)**
- Resolution No. R-44-23:** A Resolution Requesting Suspension of Purchasing Procedures and Authorizing the General Manager to Procure Installation Services for Two (2) Custom Fabric Storage Structures from a Sole Source Service Provider **(No Change in Contract Price)**
- Resolution No. R-45-23:** A Resolution Approving and Ratifying a First Amendment to Task Order No. 14 Under a Master Task Order Agreement with AECOM Technical Services **(Increase in Cost Not-To-Exceed and additional \$20,000.00)**

**Attachments**

1. DuPage Laboratory Bench Sheets for July 2023
2. Water Sales Analysis 01-July-2018 to 30-July-2023
3. DuPage Water Commission Chart Sales vs. Historical Average
4. DuPage Water Commission Chart Sales vs. Allocation

DUPAGE WATER COMMISSION  
PWS FACILITY ID# - IL435400  
MONTHLY OPERATIONS REPORT  
DUPAGE WATER COMMISSION LABORATORY BENCH SHEET RESULTS  
JULY 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	1.41	0.08	0.66	1.39	0.10	65	7.1	1.0	0.64	0	AM
2	1.39	0.09	0.65	1.37	0.10	66	7.1	1.0	0.63	0	AM
3	1.29	0.09	0.60	1.37	0.09	65	7.1	1.0	0.60	0	RC
4	1.41	0.08	0.61	1.27	0.10	66	7.1	1.0	0.63	0	RC
5	1.36	0.10	0.53	1.30	0.11	66	7.1	1.0	0.55	0	AM
6	1.29	0.10	0.59	1.23	0.10	67	7.2	1.0	0.58	0	AM
7	1.33	0.11	0.61	1.28	0.11	66	7.1	1.0	0.59	0	AM
8	1.31	0.09	0.59	1.28	0.09	66	7.1	1.0	0.61	0	BM
9	1.29	0.10	0.61	1.26	0.09	67	7.2	1.0	0.59	0	BM
10	1.30	0.09	0.59	1.20	0.10	67	7.2	1.0	0.61	0	BM
11	1.37	0.09	0.63	1.33	0.10	67	7.3	1.0	0.62	0	BM
12	1.41	0.06	0.63	1.38	0.08	67	7.3	1.0	0.62	0	BM
13	1.33	0.12	0.64	1.21	0.12	67	7.3	1.0	0.64	0	BM
14	1.30	0.10	0.65	1.27	0.10	67	7.2	1.0	0.63	0	AM
15	1.31	0.11	0.64	1.28	0.09	68	7.2	1.1	0.64	0	AM
16	1.32	0.11	0.67	1.26	0.11	68	7.1	1.0	0.66	0	AM
17	1.26	0.11	0.62	1.23	0.13	68	7.3	0.9	0.65	0	BM
18	1.18	0.10	0.64	1.27	0.13	68	7.4	1.0	0.64	0	BM
19	1.24	0.10	0.65	1.19	0.14	68	7.3	0.9	0.63	0	BM
20	1.29	0.09	0.62	1.12	0.12	68	7.3	0.9	0.63	0	BM
21	1.25	0.10	0.63	1.22	0.12	69	7.4	0.9	0.64	0	BM
22	1.27	0.09	0.63	1.19	0.11	68	7.4	0.9	0.64	0	BM
23	1.31	0.16	0.66	1.21	0.15	69	7.4	0.9	0.63	0	BM
24	1.12	0.13	0.65	1.19	0.13	69	7.2	0.9	0.62	0	BM
25	1.19	0.09	0.67	1.16	0.11	70	7.5	1.0	0.66	0	RC
26	1.30	0.09	0.65	1.31	0.10	69	7.4	0.9	0.63	0	BM
27	1.32	0.09	0.64	1.28	0.10	69	7.4	0.9	0.62	0	BM
28	1.34	0.09	0.64	1.35	0.09	67	7.3	0.9	0.64	0	BM
29	1.33	0.09	0.65	1.32	0.09	66	7.3	0.9	0.65	0	KD
30	1.37	0.06	0.67	1.24	0.10	66	7.4	0.9	0.66	0	KD
31	1.22	0.10	0.66	1.42	0.13	67	7.3	0.9	0.63	0	KD
AVG.	1.30	0.10	0.63	1.27	0.11	67	7.3	1.0	0.63	0	
MAX.	1.41	0.16	0.67	1.42	0.15	70	7.5	1.1	0.66	0	
MIN.	1.12	0.06	0.53	1.12	0.08	65	7.1	0.9	0.55	0	

16 of 97

Mike Weed, Operations Supervisor  
Illinois ROINC # 186860234

8/6/23  
Date

DU PAGE WATER COMMISSION  
WATER SALES ANALYSIS

01-May-92 TO 31-Jul-23

PER DAY AVERAGE 78,118,424

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
Jun-23	2,971,436,000	3,043,540,086	97.63%	\$16,016,040.04	\$13,814,628.45	678,930	0.02%	97.65%	\$5.39	\$4.539
Jul-23	2,567,425,000	2,639,887,376	97.26%	\$13,838,420.75	\$11,982,448.80	1,047,600	0.04%	97.29%	\$5.39	\$4.539
TOTALS (1)	891,643,685,798	917,385,744,285	97.19%	\$2,185,582,193.09	\$1,932,208,599.75	863,983,111	0.09%	97.29%	\$2.45	\$2.106

(1) - SINCE MAY 1, 1992

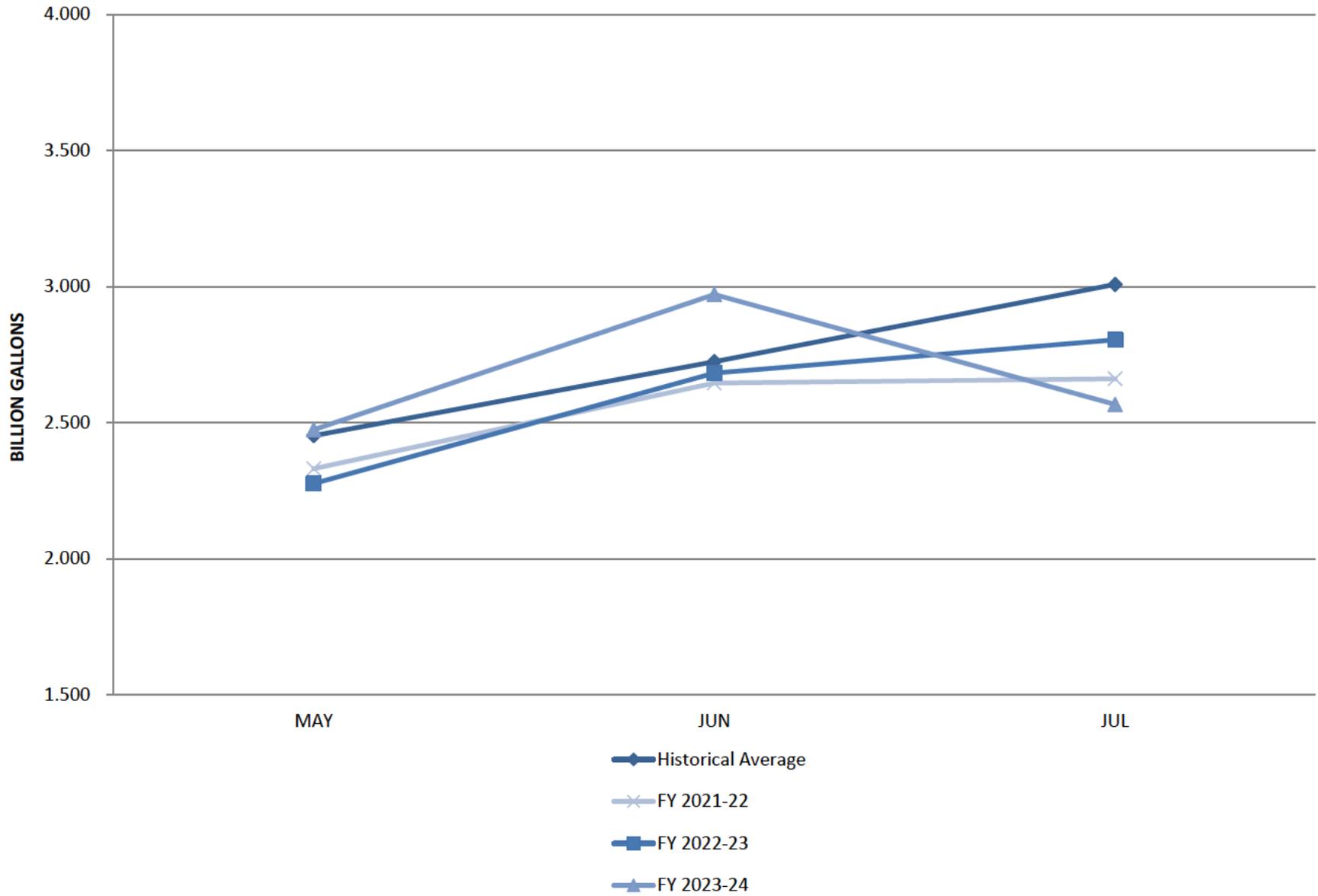
(2) - REPRESENTS DU PAGE PUMP STATION, METER TESTING AND CONSTRUCTION PROJECT USAGE

(3) - DOES NOT INCLUDE FIXED COST PAYMENTS

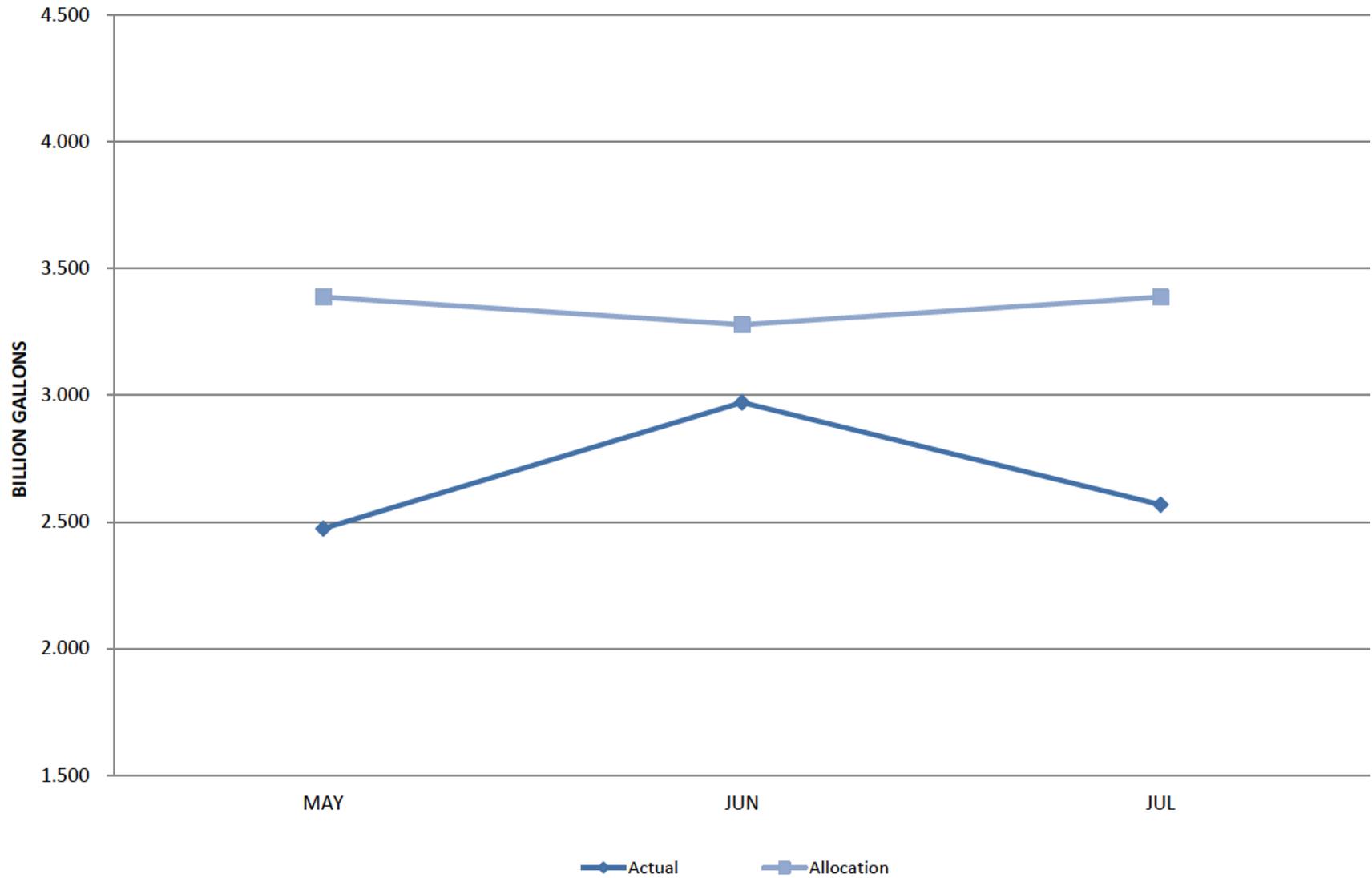
YTD

Jul-22	7,763,654,000	8,009,287,400	96.93%	40,215,728	34,133,230			\$5.18	\$4.262	
Jul-23	8,013,238,000	8,223,868,295	97.44%	43,191,353	36,776,863			\$5.39	\$4.472	
	249,584,000	214,580,895	3.2%	\$2,975,625	\$2,643,632					7.7%
Month										
Jul-22	2,804,661,000	2,892,532,635	96.96%	14,528,144	12,501,526			\$5.18	\$4.322	
Jul-23	2,567,425,000	2,639,887,376	97.26%	13,838,421	11,982,449			\$5.39	\$4.539	
	(237,236,000)	(252,645,259)		(\$689,723)	(\$519,077)					
	-8.5%	-8.7%		-4.7%	-4.2%					
July>June	(404,011,000)	(403,652,710)		(2,177,619)	(1,832,180)					

## DU PAGE WATER COMMISSION SALES FY 2023-24, 2022-23 & 2021-22 VS. HISTORICAL AVERAGE



## DU PAGE WATER COMMISSION SALES FY 2023-24 VS. ALLOCATION





**Resolution #:** R-34-23

**Account:** 01-60-722200 -\$23,800.00

**Approvals:** *Author / Manager / Finance / Admin*

**JH RCB CAP PDM**

## REQUEST FOR BOARD ACTION

**Date:** 8/10/2023

**Description:** Change Orders for the Contract for the Influent, Effluent, and 72" Meter Building Coatings Rehabilitation (Contract PSD-11/22) – Change Order No. 02

**Agenda Section:** Engineering & Construction

**Originating Department:** Engineering

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Resolution No. R-34-23 would approve the following Change Order:

**Change Order No. 2 and FINAL for the Coatings Rehabilitation Contract (Contract PSD-11/22)**

Approval of Change Order No. 2 would reduce the Contract Price by \$23,800.00 and grant Final Completion of Contract PSD-11/22 and authorize the General Manager to release Final Payment, including release of all funds held in retainage upon delivery of all contractually required documentation. Change Order #2 does alter the Contract Price however, the Original Contract Price is also the Final Contract Price of \$440,000 as explained below. Change order No. 02 also extends the Contract Completion Date to July 5, 2023, a time extension of 66 calendar days.

A Contract Time Extension was warranted as a part of this project to meet the coating application requirements. The coating system that was utilized had to be applied at a minimum surface temperature of 50 degrees. Staff delayed the coating application until spring to meet the surface temperature requirements with minimal heating equipment.

The Board previously approved Change Order No. 01 to provide heating equipment at an additional cost of \$23,800.00 however staff was able to procure heaters from a different source at a greatly reduced price. Accordingly, the cost previously approved with Change Order No. 01 is being removed from the Final Contract price.

Approval of this Change Order does not authorize or necessitate a decrease in the Contract Price that is 50% or more of the original Contract Price nor authorize or necessitate an increase in the price of any subcontract under the Contract that is 50% or more of the original subcontract price.

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**Recommended Motion:** To Approve Resolution No. R-34-23.

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**RESOLUTION NO. R-34-23**

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**A RESOLUTION APPROVING AND RATIFYING CERTAIN CHANGE ORDERS FOR THE CONTRACT FOR THE INFLUENT, EFFLUENT, AND 72" METER BUILDINGS COATINGS REHABILITATION CONTRACT  
(CONTRACT PSD-11/22)**

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, 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.

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

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EXHIBIT 1

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**DUPAGE WATER COMMISSION  
CHANGE ORDER**

SHEET 1 OF 2

PROJECT NAME: Influent, Effluent, and 72" Meter Buildings Coatings Rehabilitation Contract  
(Contract PSD-11/22)

CHANGE ORDER NO. 02

LOCATION: Cook County, Illinois

CONTRACT NO. PSD-11/22

CONTRACTOR: G.P. Maintenance Services, Inc.

DATE: 8/17/2023

I. A. DESCRIPTION OF CHANGES INVOLVED:

1. Delete the costs associated with Change Order No. 01. (-\$23,800.00).
2. A Contract Time Extension of 66 calendar days to revise the Contract Final Completion to July 5, 2023.

B. REASON FOR CHANGE:

1. Commission Staff was able to procure heating elements through an alternate source and therefore negated the need for the Contractor to supply the heating elements.
2. The coating system that was utilized had to be applied at a minimum surface temperature of 50 degrees F. Staff delayed the coating application until spring to meet the surface temperature requirements with minimal heating equipment.

II. CHANGE ORDER CONDITIONS:

1. The Contract Period established in the Contract, as signed, or as modified by previous Change Orders, is hereby extended for 66 calendar days, revising the final Contract Completion Date to July 5, 2023.
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	\$440,000.00
2.	Net addition due to all previous Change Orders	\$23,800.00
3.	Contract Price, not including this Change Order	\$460,380.00
4.	Net reduction to Contract Price due to this Change Order	-\$23,800.00
5.	FINAL Contract Price including this Change Order	\$440,000.00

**RECOMMENDED FOR ACCEPTANCE:**

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: GP Maintenance Services, Inc.

By: \_\_\_\_\_ ( )  
Signature of Authorized Representative Date

DUPAGE WATER COMMISSION:

By: \_\_\_\_\_ ( )  
Signature of Authorized Representative Date



**Resolution #:** R-35-23

**Account:** : 01-60-722300

**Approvals:** *Author / Manager / Finance / Admin*

**JH RCB CAP PDM**

## REQUEST FOR BOARD ACTION

**Date:** 8/10/2023

**Description:** Approving and Ratifying Change Orders for the DPPS Emergency Generation System Modifications (Contract PSD-10/22)

**Agenda Section:** Engineering & Construction

**Originating Department:** Engineering

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Resolution No. R-35-23 would approve the following Change Orders:

**Change Order No. 3 for the DPPS Emergency Generation System Modifications (Contract PSD-10/22)**

Change Order No. 3 would authorize, at a net decrease in the Contract Price of \$137,018.75 the Contractor to provide concrete masonry unit block in lieu of structural glazed face tile block for the PSD-10 contract. Change Order No. 3 would also authorize the addition of 61 calendar days to the final contract completion date due to delays from Elgin Butler, the original structural glazed block manufacturer.

The structural glazed face tile that was originally specified to match the existing building is no longer available. Elgin Butler, the glazed tile manufacturer, provided a letter to JJH on March 15<sup>th</sup>, 2023 stating that there would be a delay in delivering structural glazed face tile due to critical equipment repairs necessary at their manufacturing plant. Since sending this letter, Elgin Butler has become non-responsive and has provided no direction that they will be able to provide structural glazed face tile for this project. The PSD-10 project was on hold and delayed 61 calendar days waiting for Elgin Butler's response. DWC would like approval to move forward with concrete masonry block since there have been substantial delays and the glazed face tile is no longer available for this project.

Approval of this Change Order would decrease the net Contract Price by \$137,018.75, revising the Contract Price to \$4,127,181.61 for a 0.52% net decrease in Contract Price. Approval of this Change Order would also extend the contract deadline by 61 calendar days. Approval of this Change Order does not authorize or necessitate a decrease 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.

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**Recommended Motion:**

To approve Resolution R-35-23.

DUPAGE WATER COMMISSION

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**RESOLUTION NO. R-35-23**

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A RESOLUTION APPROVING AND RATIFYING CERTAIN CHANGE ORDERS FOR 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-35-23.docx

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EXHIBIT 1

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DuPAGE WATER COMMISSION  
CHANGE ORDER

SHEET 1 OF 3

PROJECT NAME: PSD-10 DPPS Emergency Generation System Modifications

CHANGE ORDER NO. 03

LOCATION: DuPage County, Illinois

CONTRACT NO. PSD-10/22

CONTRACTOR: Joseph J. Henderson & Son, Inc.

DATE: 8/18/23

I. A. DESCRIPTION OF CHANGES INVOLVED:

1. Furnish concrete masonry unit block in lieu of structural glazed face tile block. Addition of 61 calendar days to the final contract completion date due to delays from Elgin Butler, the original structural glazed block manufacturer.

B. REASON FOR CHANGE:

1. The structural glazed face tile that was originally specified to match the existing building is no longer available. Elgin Butler, the glazed tile manufacturer, provided a letter to JJH on March 15<sup>th</sup>, 2023 stating that there would be a delay in delivering structural glazed face tile due to critical equipment repairs necessary at their manufacturing plant. Since sending this letter, Elgin Butler has become non-responsive and has provided no direction that they will be able to provide structural glazed face tile for this project. The PSD-10 project was on hold and delayed 61 calendar days in waiting for Elgin Butler's response. DWC would like to move forward with concrete masonry block since there have been substantial delays and the glazed face tile is no longer available for this project.

C. REVISION IN CONTRACT PRICE:

<u>Item</u>	<u>Description</u>	<u>Extension</u>	<u>Time</u>
1	Concrete Masonry Unit Block	-\$137,018.75	61 Days
Total Increase		-\$137,018.75	61 Days

II. CHANGE ORDER CONDITIONS:

- 1. The Contract Period established in the Contract, as signed or as modified by previous Change Orders, is hereby extended for 61 calendar days, modifying the final Contract Completion Date to April 25, 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	\$115,200.57
3.	Contract Price, not including this Change Order	\$4,264,200.57
4.	<u>Reduction</u> to Contract Price due to this Change Order	\$137,018.75
5.	Contract Price including this Change Order	\$4,127,181.82

RECOMMENDED FOR ACCEPTANCE:

CONSULTING ENGINEERS: Greeley & Hansen LLC

By: \_\_\_\_\_ (\_\_\_\_\_)
Signature of Authorized Date
Representative

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 Date
Representative

DUPAGE WATER COMMISSION:

By: \_\_\_\_\_ (\_\_\_\_\_)
Signature of Authorized Date
Representative



**Resolution #:** R-38-23

**Account:** 01-80-852010

**Approvals:** *Author / Manager / Finance / Admin*

**PDM RCB CAP PDM**

## REQUEST FOR BOARD ACTION

**Date:** 7/26/2023

**Description:** Ratify 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).

The engineering team of LAN/Stanley/Robinson has been selected to perform the work, and a scope and fee document was provided 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).

The engineering work will be paid in accordance with a companion IGA which establishes an escrow funded by the WaterLink communities at an initial funding level of \$600K, therefore initial approval of engineering contract at the June 15<sup>th</sup>, 2023 meeting was limited to \$600K, with the direction to authorize the full contract of \$4.27M, such action to be ratified at the August meeting. The IGA amendment also on this agenda formalizes the funding arrangement, therefore it is recommended that the authorization of the total engineering contract in the amount of \$4.27M now be ratified.

### **Recommended Motion:**

It is recommended to approve Resolution R-38-23, ratifying authorization of the Engineering Contract with LAN Engineering for Phase I Engineering in an amount of \$4.27M.

## DUPAGE WATER COMMISSION

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**RESOLUTION NO. R-38-23**

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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, Task Order Number 2 has previously been approved in an amount not to exceed \$600,000.00 without approval by the Board of Commissioners, pending execution of an amended intergovernmental agreement for expanded escrow deposits;

WHEREAS, the amended intergovernmental agreement has approved and executed by the communities of Montgomery, Oswego, and Yorkville, and approved by the DuPage Water Commission;

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, in the amount of \$4.27M.

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

Board/Resolutions/2022/R-38-23.docx

## Task Order No. 2

This Task Order No. 2 is being entered into between DuPage Water Commission (referred to herein as the “Owner” or the “Commission”) and Lockwood, Andrews and Newnam, Inc. (the “Consultant”) as of June 15, 2023 (the “Effective Date”) and hereby agree as follows:

WHEREAS, Owner and the Village of Montgomery (“Montgomery”), the Village of Oswego (“Oswego”) and the United City of Yorkville (“Yorkville”) (Oswego, Montgomery and Yorkville (collectively referred to herein as the “Waterlink Communities”) have entered into an Escrow Intergovernmental Agreement dated June 15, 2023 (the “Escrow Agreement”) to fund, *inter alia*, Phase I Engineering including the determination of the routing and design of a water transmission line connecting the Commission’s waterworks system (the “Commission System”) to the Waterlink Communities’ waterworks systems (the “Project”); and

WHEREAS, Owner and Consultant have previously entered into a Master Contract for Professional Engineering Services dated May 21, 2013 (the “Master Contract”); and

WHEREAS, Section 1.1 of the Master Contract contemplates Owner and Consultant entering into Task Orders to perform specific tasks; and

WHEREAS, Owner and Consultant wish to enter into this Task Order No. 2 for Consultant to provide services for the Project as more fully set forth below (the “Project Services”).

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

1. The above recitals are hereby incorporated as if fully set forth herein.
2. Capitalized terms used, but not otherwise defined herein, shall have their respective meanings as set forth in the Master Contract.
3. To the extent any of the provisions of this Task Order conflict with the Master Contract or the attached Exhibit E, Scope of Services, this Task Order will apply.
4. Owner’s right to terminate or suspend the Project Services under Section 1.9 of the Master Contract is reconfirmed herein and shall be effective within forty-eight (48) hours unless the Owner’s notice of termination sets forth a longer time period. Consultant acknowledges that Owner may suspend or terminate the Project Services at its sole discretion for any reason, including but not limited to the escrow required under the Escrow Agreement not being fully funded by the Waterlink Communities or any of the Waterlink Communities not receiving its required allocation from the Illinois Department of Natural Resources.
5. Notwithstanding anything else set forth in this Task Order, Consultant shall only take direction regarding or relating to Project Services from Owner. The Waterlink Communities, their

officers or employees will have no authority to approve change orders or provide any other direction to Consultant.

6. Consultant shall submit monthly pay requests on or before the fifteenth (15<sup>th</sup>) day of the month for Project Services completed in the prior calendar month. Each pay request shall contain releases and waivers of lien for Consultant for the current Project Services that payment is being requested for and releases and waivers of lien waiver for all subcontractors for the prior calendar month.

7. All Project Services, including those supplied by Consultant's subcontractors, must comply with the Water Infrastructure and Finance Innovation Act ("WIFIA") and any other federal funding compliance requirements.

8. Consultant has provided Owner with a Preliminary Cash Flow / Invoicing Forecast – Phase I attached hereto as Exhibit F. Consultant shall not be entitled to any payment for Project Services in amounts sooner than those set forth in Exhibit F unless agreed to via change order executed by both parties and approved by the Commission's Board of Commissioners.

9. Consultant understands that the Project Services and the Project itself is being performed in stages. Consultant only has the authority to provide services for those portions of the Project that have been approved by the Commission's Board of Commissioners and may or may not receive additional contracts for additional services on the Project.

10. Except as expressly amended by this Task Order, the remaining terms, covenants, conditions, and provisions of the Master Contract shall remain unchanged and in full force and effect, and the Task Order, as amended herein, shall constitute the full, true, and complete agreement between the parties.

11. This Task Order shall be binding upon and inure to the benefit of the parties, and their successors and assigns.

12. If any provision of this Task Order is held to be illegal, invalid or unenforceable under present or future laws effective during the term hereof, such provision shall be fully severable. This Task Order shall be construed and enforceable as if the illegal, invalid or unenforceable provision had never comprised a part of it, and the remaining provisions of this Task Order shall remain in full force and effect and shall not be affected by the illegal, invalid or unenforceable provision or by its severance here from. Furthermore, in lieu of such illegal, invalid or unenforceable provision, there shall be added automatically as a part of this Task Order, a provision as similar in terms to such illegal, invalid or unenforceable provision as may be possible and legal, valid and enforceable.

13. This Task Order may be executed in counterparts, each of which shall be deemed an original instrument, but all such counterparts together shall constitute but one agreement. Delivery of an executed counterpart signature page by facsimile or electronic transmittal (PDF) is

as effective as executing and delivering this Task Order in the presence of the other parties to this Task Order.

IN WITNESS WHEREOF, Owner and Consultant have caused this Task Order No. 2 to be executed in two (2) original counterparts as of the day and year first written above.

Attest/Witness:

**DUPAGE WATER COMMISSION**

By: \_\_\_\_\_  
Clerk

By: \_\_\_\_\_  
James F. Zay, Chairman

Attest/Witness:

**LOCKWOOD, ANDREWS & NEWNAM, INC.**

By: \_\_\_\_\_

By: \_\_\_\_\_

Name: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Title: \_\_\_\_\_

## 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, 75<sup>th</sup> 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 Innovyze 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 Innovyze 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:

<b>Lockwood, Andrews &amp; Newnam, Inc.</b>	<b>Stanley Consultants, Inc. (Subconsultant)</b>	<b>Robinson Engineering, Ltd. (Subconsultant)</b>
● Warren Green, PE Project Director	● Kate Despinoy, PE Project Manager	● Aaron Fundich, PE Project Manager
● Ozzie Garza, PE Project Manager	● Larry Thomas, PE Quality Control	● Jennifer Prinz, PE Quality Control
● Jeremy Nakashima, PE Quality Control	● Michael Colby, PE Hydraulic Modeling	● Dave Barnas, PE Constructability Review
● Greg Henry, PE Tunnel Engineering	● Patrick Haney, PE Pipeline Engineering	● Tom Nagle, PE Pipeline Engineering
● Christine Kirby, PE Coatings & Linings	● Jared Hamilton, PE Constructability Review	● Randall Gann, PLS Surveying
● Bob Card, PE Pipe Design		

## 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](mailto: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](mailto:jwgreen@lan-inc.com)

Phone: 630-918-2494



**Resolution #:** R-39-23

**Account:** 01-60-772500

**Approvals:** *Author / Manager / Finance / Admin*

**PDM - CAP PDM**

## REQUEST FOR BOARD ACTION

**Date:** 7/26/2023

**Description:** **Authorize IGA with NSMJAWA and NWC for Source Water Validation**

**Agenda Section:** Engineering & Construction

**Originating Department:** Administration

In April 2023, the Board of Commissioners received a report and presentation from the engineering firm Carollo Inc, for various source water alternatives. Potential partners, NSMJAWA and the Northwest Water Commission have expressed significant interest in a regional project.

Carollo has been directed to update the engineering computations and financial analysis for the north route to include consideration regarding how additional partners would impact the route and scale of the proposed infrastructure. The updated report is expected in mid-August. After receipt of the report, it is recommended to engage a third-party engineering consultant to validate the findings of the updated Carollo report for the north route. The engineering firm of Burns and McDonnell has been selected for this task based upon qualifications as determined by all three agencies (DWC, NSMJAWA, NWC). The validation study will commence immediately following approval and is expected to be completed by the end of September. At that time the report will be presented to the boards of all three agencies for consideration.

The cost for the study is estimated at \$75,000, which will be paid by the DWC with 2/3 to be reimbursed by NSMJAWA and the NWC. Resolution R-39-23 is the companion agreement to the Engineering contract (R-40-23) to establish the protocol for payment and reimbursement. DWC will reconcile initial payment and be reimbursed 2/3 of the cost the other two parties in accordance with the conditions of the attached agreement.

### **Recommended Motion:**

It is recommended that Resolution R-39-23 be approved authorizing the Intergovernmental Agreement with NSMJAWA and NWC for payment and reimbursement of costs associated with the source water validation study.

DUPAGE WATER COMMISSION

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**RESOLUTION NO. R-39-23**

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A RESOLUTION APPROVING AN INTERGOVERNMENTAL AGREEMENT BETWEEN THE DUPAGE WATER COMMISSION, NORTHWEST SUBURBAN MUNICIPAL JOINT ACTION WATER AGENCY AND NORTHWEST WATER COMMISSION FOR A VALIDATION STUDY REGARDING THE SOURCE WATER ALTERNATIVE STUDY

WHEREAS, the Commission was formed and exists pursuant to the Water Commission Act of 1985, 70 ILCS 3720/0.01 et seq., and Division 135 of Article 11 of the Illinois Municipal Code, 65 ILCS 5/11-135-1 et seq., for the purpose of securing an adequate source and supply of water for its customers; and

WEHREAS the Commission is a public agency within the meaning of the Illinois Intergovernmental Cooperation Act (5 ILCS 220/1 et seq.) and is authorized by Article VII, Section 10 of the Constitution of the State of Illinois to enter into intergovernmental agreements; and

WHEREAS, the Commission has obtained a study from Carollo, Inc. regarding source water alternatives; and

WHEREAS, the Northwest Suburban Municipal Joint Action Water Agency (“NSMJAWA”) and the Northwest Water Commission (“NWC”) have expressed interest in partnering with the Commission regarding a regional source water alternatives project; and

WHEREAS, the parties agree that a third-party engineering consultant should validate the findings of Carollo, Inc. regarding the source water alternatives and have jointly selected Burns and McDonnell to perform the validation study; and

WHEREAS, the parties have agreed to share the costs of the validation study; and

WHEREAS, the parties have agreed in principle on the terms of an Intergovernmental Agreement regarding the validation study and the sharing of costs for the validation study (a copy of which is attached hereto and incorporated herein as Exhibit 1);

WHEREAS, the Commission desires to enter into the Intergovernmental Agreement and finds it to be in the best interests of the Commission and its customers to do so;

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 Intergovernmental Agreement in substantially the form attached hereto and by this reference incorporated herein and made apart hereof as Exhibit 1, shall be and hereby is approved. The General Manger shall be and hereby is authorized to execute the Intergovernmental Agreement in substantially the form attached hereto as Exhibit 1.

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  
Board/Resolutions/2023/R-39-23

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EXHIBIT 1

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## INTERGOVERNMENTAL AGREEMENT

This Intergovernmental Agreement (the “Agreement”) is dated the \_\_\_\_ day of \_\_\_\_\_, 2023 between the DuPage Water Commission (“DWC”), a county water commission and public corporation under 65 ILCS 5/11-135-1 *et seq.*, and the Water Commission Act of 1985, 70 ILCS 3720/0.01 *et seq.*, the Northwest Water Commission (“NWC”), a water commission and public corporation under 65 ILCS 5/11-135-1 *et seq.*, and the Northwest Suburban Municipal Joint Action Water Agency (“NSMJAWA”), a joint action water agency and body politic under 5 ILCS 220/3.1 (collectively the “Commissions”).

### WITNESSETH:

WHEREAS, the Commissions have been organized under the laws of the State of Illinois to supply water within their territorial limits; and

WHEREAS, Article VII, Section 10, of the Illinois Constitution of 1970 authorizes units of local government to cooperate with each other to accomplish common goals and objectives; and

WHEREAS, the Intergovernmental Cooperation Act (5 ILCS 220/1 *et seq.*) provides that any power or powers, privilege or authority exercised, or which may be exercised by a public agency of this State, may be exercised and enjoyed jointly with any other public agency; and

WHEREAS, the Commissions are units of local governments as defined in the Illinois Constitution; and

WHEREAS, the Commissions are public agencies pursuant to the Intergovernmental Cooperation Act; and

WHEREAS, the Commissions recognize the need to cooperate in the planning for the receipt and supplying of water to their customers; and

WHEREAS, the Commissions currently own and operate waterworks systems as suppliers of Lake Michigan water to the Commissions’ member customers; and

WHEREAS, the Commissions currently receive Lake Michigan water from the external source water producers; and

WHEREAS, the DWC is in discussions and negotiations with the City of Chicago for a new water supply agreement but has also obtained a source water study (the “Source Water Study”) from Carollo Engineers, Inc. relating to DWC’s ability to obtaining Lake Michigan water from an alternative source other than the City of Chicago; and

WHEREAS, DWC has already contracted with outside consultants to prepare further information related to: (a) routes for the transmission of Lake Michigan water for the possible delivery of water to other entities, such as NWC and NWSJAWA; and (b) financial validation and strategy studies and reports (collectively the “DWC Studies”); and

WHEREAS, NWC and NWSJAWA are interested in participating in exploring alternative water sources with DWC; and

WHEREAS, the Commissions are interested in jointly obtaining further information related to the feasibility of and options for a joint partnership water source project to benefit all the Commissions, including but not limited to studies related to the following issues (collectively the “Joint Studies”):

- a. engineering feasibility;
- b. route evaluation;
- c. construction cost estimates;
- d. property acquisition analysis; and
- e. financial analysis.

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

## AGREEMENT

1. The recitals contained in the Preamble above will become a part of this Agreement as if fully set forth herein.
2. DWC will provide copies of the DWC Studies to NWC and NSMJAWA upon completion.
3. The Commissions hereby agree to jointly hire a consultant to provide a second engineering opinion on the estimated construction cost (the “EOCC”) of obtaining Lake Michigan water along the north route set forth in the Source Water Study, in an amount not-to-exceed \$75,000 that shall be divided equally among and paid for by all 3 Parties as provided below. Each of the Commissions shall be named as a client of the consultant in the contract with the consultant and each Party shall have a non-exclusive and unlimited license to use the second opinion report (and any future deliverables or instrument of services) for their own respective purposes.
4. Where approved by all parties, the Commissions may approve future task orders related to the Joint Studies and any other items that all the Commissions deem appropriate (the “Future Task Orders”) and shall participate equally in bearing the costs and benefits of such task orders.
5. The Commissions each agree to pay when due one-third (1/3) of the costs incurred by any third parties in performing the EOCC or any Future Task Orders approved in conformance with this Agreement. The EEOC cost will not exceed \$75,000.00. DWC will serve as the point of contact with the consultant and agrees to pay the costs to perform the EEOC directly; thereafter, NSMJAWA and NWC will reimburse DWC within thirty (30) days of DWC payment of said EEOC cost, in an amount not to exceed one-third (1/3) of the total EEOC cost. The Commissions agree that there is no further obligation of any party to participate in any future studies or reports.
6. All claims, disputes, and other matters in question among the Commissions arising out of, or relating to, this Agreement shall be brought in the Eighteenth Judicial Circuit, DuPage County, Illinois.
7. If any 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 via electronic

correspondence to the Executive Director of 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. 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. Any Commission failing to comply with its financial obligations set forth herein will defend and hold the other Commissions harmless from any claims or litigation that arise out of that Commission's failure to comply with the payment obligations arising under this Agreement.

10. Except as provided herein, the Commissions will not assign this Agreement or any right or privilege any Commission may have under this Agreement without the prior written consent of all parties hereto, not to be unreasonably withheld conditioned or delayed.

11. This Agreement will be governed by the internal laws of the State of Illinois.

12. The person(s) executing this Agreement on behalf of the Parties hereto warrant that: (i) each Commission is duly organized and existing; (ii) the individual signing is duly authorized to execute and deliver this Agreement on behalf of said Commission; (iii) by so executing this Agreement, such Commission is formally bound to the provisions and conditions contained in this Agreement; and (iv) the entering into this Agreement by a Commission does not violate any provision of any other agreement to which said Commission is bound.

13. Each Commission acknowledges 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 Agreement. Each Commission hereby agrees 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 Commission as evidenced by this Agreement.

14. This Agreement is the entire agreement between the Commissions regarding this subject matter and may not be changed or amended except pursuant to a written instrument signed by each Commission.

15. This 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 Commission hereto has 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:  
  
\_\_\_\_\_

Northwest Water Commission  
  
BY: \_\_\_\_\_

ATTEST:  
  
\_\_\_\_\_

Northwest Suburban Municipal  
Joint Action Water Agency  
  
BY: \_\_\_\_\_



**Resolution #:** R-40-23

**Account:** 01-60-772500

**Approvals:** *Author / Manager / Finance / Admin*

**PDM - - PDM**

## REQUEST FOR BOARD ACTION

**Date:** 7/26/2023

**Description:** **Authorize Engineering contract for Source Water Validation**

**Agenda Section:** Engineering & Construction

**Originating Department:** Administration

In April 2023, the Board of Commissioners received a report and presentation from the engineering firm Carollo Inc, for various source water alternatives. The study included 3 routes for possible consideration, one of which was a north route with two potential partners, NSMJAWA and the Northwest Water Commission. DWC has reached out to both potential partners, and commenced discussions about the project concept, scope, and schedule. Both parties have expressed significant interest in a regional project and have also shared future plans for expansion - which would result in even more favorable conditions for a joint partnership.

Carollo has been directed to update the engineering computations and financial analysis for the north route to include consideration regarding how additional partners would impact the route and scale of the proposed infrastructure. This report is expected in early-mid August, and will be shared with the Board at that time. After receipt of the report, it is recommended to engage a third-party engineering consultant to validate the findings of the updated Carollo report for the north route. The engineering firm of Burns and McDonnell has been selected for this task based upon qualifications as determined by all three agencies (DWC, NSMJAWA, NWC). The validation study will commence immediately following approval and is expected to be completed by the end of September. At that time the report will be presented to the boards of all three agencies for consideration.

The cost for the study is estimated at \$75,000, which will be paid by the DWC, with 2/3 to be reimbursed to us by NSMJAWA and the NWC. A companion IGA formalizes this process.

### **Recommended Motion:**

it is recommended that Resolution R-40-23 be approved authorizing Task Order number 2 with the firm of Burns and McDonnell in an amount not to exceed \$75,000 for alternative source water validation study.

## DUPAGE WATER COMMISSION

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**RESOLUTION NO. R-40-23**

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A RESOLUTION TO APPROVE TASK ORDER #2 UNDER A MASTER SERVICES AGREEMENT WITH BURNS & MCDONNELL, INC. FOR ENGINEERING 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 Source Water Study has been revised to include a potential partnership with other regional water agencies, the Northwest Suburban Municipal Joint Action Water Agency (NSMJAWA) and the Northwest Water Commission (NWC);

WHEREAS, the three prospective partners desire to engage a third-party engineering consultant to review and independently validate the updated Source Water study, costs to be shared 1/3 by each party;

WHEREAS, the Commission, NSMJAWA, and NWC have evaluated qualified firms to develop a scope for the desired work and found the firm of Burns & McDonnell, 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 Burns & McDonnell, Inc in an amount not to exceed \$75,000, two-thirds of which will be reimbursed pursuant to the IGA authorized by Resolution R-39-23.

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

## TASK ORDER NO. 02

In accordance with Section 1.1 of the Master Contract for Professional Engineering Services Owner and Consultant agree as follows:

### 1 . **Project:** Review of Alternative Water Supply Study Report

This task order authorizes Consultant (BMcD) to provide professional consulting services to support the Owner (DWC) with its efforts to review and evaluate the reasonableness of the Alternative Water Supply Study Report (AWSSR) developed by Carollo Engineers (Carollo). It is Consultant's understanding that DWC is considering the possibility of implementing the AWSSR in collaboration with Northwest Suburban Municipal Joint Action Water Agency (NSMJAWA) and the Northwest Water Commission (NWC).

### 2 . **Services of Consultant:**

#### Task 1 – Kick-off Meeting

Task 1 consists of participation in a project kick-off meeting between the DWC, Carollo, BMcD team members, and representatives of NSMJAWA and NWC. The intent of the project kick-off meeting will be to introduce project personnel, establish protocols for lines of communication, and review project scope, schedule, and planned deliverables. Carollo will summarize the scope, status, deliverables, and currently known risk items associated with the AWSSR. This meeting is proposed to be held virtually to allow participation by geographically distributed team members. It is anticipated the meeting will be approximately two (2) hours in length.

#### Task 2 – Review of Alternative Water Supply Study Report

BMcD will provide independent review of the AWSSR developed by Carollo, as described below.

- Review the AWSSR to become generally familiar with the project goals and proposed elements.
- Provide comments regarding the reasonableness of the proposed plan, including the identification of potential risks or opportunities for DWC's consideration.
- Provide comments regarding the reasonableness of the conceptual capital cost estimates with respect to the scope and schedule, including consideration of the work breakdown structure, unit costs, allowances, and contingencies. Comments on the conceptual operations & maintenance cost estimates, if any, are expected to be minimal.

BMcD will reference the full AWSSR with its review focused on the following sections: Appendix 1 Design Criteria; Appendix 3 Water Treatment Plant Conceptual Design; Appendix 4 Conveyance Alternatives; Appendix 5 Project Schedule; and Appendix 6 Cost Estimate.

Carollo is updating the AWSSR to include the increased scale (WTP, tunnel, flow conditions) of the program based on the three-way joint partnership involving DWC, NSMJAWA, and NWC. This implementation scenario would result in selection of a North Route conveyance alternative due to proximity constraints associated with connection to the NSMJAWA and NWC transmission mains. Accordingly, BMcD's review will focus on the North Route and water treatment plant associated with the partnership alternative described in the updated AWSSR completed by Carollo. Comments on the North Route, Central Route, and South Route for the DWC-only alternative, if any, are expected to be minimal.

Deliverable: BMcD will develop a draft technical memorandum containing comments based on review of the AWSSR and submit it to DWC for review. Comments from DWC will be incorporated into a final version of the technical memorandum following Task 3.

Task 3 – Review Meeting

BMcD will prepare for and facilitate a meeting consisting of DWC, NSMJAWA, NWC, Carollo, and BMcD team members to review the key findings and conclusions identified during Task 2. This meeting is proposed to be held virtually to allow participation by geographically distributed team members. It is anticipated the meeting will be approximately two (2) hours in length.

**3. Approvals and Authorizations:** Consultant shall obtain the following approvals and authorizations: None.

**4. Commencement Date:**

August 17, 2023

**5. Completion Date:**

October 16, 2023

**6. Submittal Schedule:** None.

**7. Key Project Personnel:**

Joe Darlington – Project Manager

Paul Delphos – Water Treatment

Kevin Waddell – Water Estimating

John Pruss – Program Management

Staff from Mott MacDonald – tunneling

**8. Contract Price:**

For providing, performing, and completing all Services, an amount equal to Consultant's Rate Sheet Costs per hour or unit for all Services rendered by principals and employees engaged directly on the Project, plus an amount equal to rate sheet costs of all Reimbursable Expenses.

Notwithstanding the foregoing, the total Contract Price shall be \$70,700.00, except as adjusted by a Change Order issued pursuant to Section 2.1 of the Contract.

**9. Payments:**

Direct Labor Costs shall mean the billing rate of all Consultants personnel including all professionals whether owners or employees, engaged directly on the Project.

Reimbursable Expenses shall mean the actual expenses incurred by Consultant directly or indirectly in connection with the Project, including expenses for transportation, telephone, postage, computer time and other highly specialized equipment, reproduction and similar Project related items.

**10. Modifications to Contract:**

The following considerations are incorporated into the task order:

- All meetings are anticipated to be held virtually. In-person meeting participation by BMcD team personnel located in the greater Chicago area can be provided at DWC's request within the contract budget. In-person meeting participation by BMcD team personnel located outside of the greater Chicago area can be provided at DWC's request for travel expense plus applicable markup.

- BMcD will work collaboratively with DWC to support evaluation and implementation of the AWSSR. BMcD will consult with and report to DWC with DWC being responsible for final responses and decisions.
- The technical basis for the AWSSR has been developed through a thorough planning and evaluation effort completed by others. BMcD's services are not for the purpose of evaluating or revising the technical basis of the AWSSR. This includes the technical performance of proposed project elements, as well as compliance with regulatory requirements, specifically those associated with water quality, water source changes, and corrosion control. In addition, BMcD's services are not for the purpose of performing quality assurance / quality control of deliverables provided by others. Rather, BMcD will assist DWC by providing additional professional perspective and comments for DWC's consideration, decision, and action.
- BMcD will assist DWC in its efforts to evaluate the reasonableness of the AWSSR, but BMcD's services are not intended to, and cannot, eliminate all risk or guarantee an efficient or best value program and/or project.
- Estimates, schedules, forecasts, and projections, if any, prepared by BMcD are opinions based on BMcD's experience, qualifications, and judgment as a professional. Since BMcD has no control over weather, cost and availability of labor, cost and availability of material and equipment, cost of fuel or other utilities, labor productivity, construction contractor's procedures and methods, unavoidable delays, construction contractor's methods of determining prices, economic conditions, government regulations and laws (including the interpretation thereof), competitive bidding or market conditions, and other factors affecting such estimates or projections, BMcD does not guarantee that actual rates, costs, quantities, performance, schedules, etc., will not vary significantly from estimates and projections prepared by BMcD.

**11. Attachments:** Rate Sheet BMR23-6A

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 August 17, 2023.

**DuPAGE WATER COMMISSION**

By: \_\_\_\_\_

Paul D. May, P.E.  
General Manager

**DESIGNATED REPRESENTATIVE FOR TASK ORDER:**

Name: R. Christopher Bostick  
Title: Manager of Water Operations  
Address: 600 East Butterfield Road, Elmhurst, Illinois 60126-4642  
E-mail Address: bostick@dpwc.org  
Phone: 630-834-0100

**BURNS & MCDONNELL ENGINEERING CO., INC.**

By: \_\_\_\_\_

Joseph M. Darlington, P.E.  
Program Manager

**DESIGNATED REPRESENTATIVE FOR TASK ORDER:**

Name: Joseph M. Darlington, P.E.  
Title: Program Manager  
Address: 1431 Opus Place, Suite 400, Downers Grove, IL 60515  
E-mail Address: jdarlington@burnsmcd.com  
Phone: (630) 724-3809



June 26, 2023

Paul D. May, P.E.  
General Manager  
DuPage Water Commission  
600 E Butterfield Road  
Elmhurst, Illinois 60126

Re: Task Order 2 – Review of Alternative Water Supply Study Report

Dear Mr. May:

In accordance with your request, Burns & McDonnell Engineering Co., Inc. (BMcD) is pleased to submit Task Order 2 to provide professional consulting services to support the DuPage Water Commission (DWC) with its efforts to review and evaluate the reasonableness of the Alternative Water Supply Study Report (AWSSR) developed by Carollo Engineers (Carollo). It is BMcD's understanding that DWC is considering the possibility of implementing the AWSSR in collaboration with Northwest Suburban Municipal Joint Action Water Agency (NSMJAWA) and the Northwest Water Commission (NWC). Our proposed scope of services is presented below.

## **SCOPE OF SERVICES**

### Task 1 – Kick-off Meeting

Task 1 consists of participation in a project kick-off meeting between the DWC, Carollo, BMcD team members, and representatives of NSMJAWA and NWC. The intent of the project kick-off meeting will be to introduce project personnel, establish protocols for lines of communication, and review project scope, schedule, and planned deliverables. Carollo will summarize the scope, status, deliverables, and currently known risk items associated with the AWSSR. This meeting is proposed to be held virtually to allow participation by geographically distributed team members. It is anticipated the meeting will be approximately two (2) hours in length.

### Task 2 – Review of Alternative Water Supply Study Report

BMcD will provide independent review of the AWSSR developed by Carollo, as described below.

- Review the AWSSR to become generally familiar with the project goals and proposed elements.
- Provide comments regarding the reasonableness of the proposed plan, including the identification of potential risks or opportunities for DWC's consideration.
- Provide comments regarding the reasonableness of the conceptual capital cost estimates with respect to the scope and schedule, including consideration of the work breakdown structure, unit costs, allowances, and contingencies. Comments on the conceptual operations & maintenance cost estimates, if any, are expected to be minimal.



Paul D. May, P.E.  
DuPage Water Commission  
June 26, 2023  
Page 2

BMcD will reference the full AWSSR with its review focused on the following sections: Appendix 1 Design Criteria; Appendix 3 Water Treatment Plant Conceptual Design; Appendix 4 Conveyance Alternatives; Appendix 5 Project Schedule; and Appendix 6 Cost Estimate.

Carollo is updating the AWSSR to include the increased scale (WTP, tunnel, flow conditions) of the program based on the three-way joint partnership involving DWC, NSMJAWA, and NWC. This implementation scenario would result in selection of a North Route conveyance alternative due to proximity constraints associated with connection to the NSMJAWA and NWC transmission mains. Accordingly, BMcD's review will focus on the North Route and water treatment plant associated with the partnership alternative described in the updated AWSSR completed by Carollo. Comments on the North Route, Central Route, and South Route for the DWC-only alternative, if any, are expected to be minimal.

Deliverable: BMcD will develop a draft technical memorandum containing comments based on review of the AWSSR and submit it to DWC for review. Comments from DWC will be incorporated into a final version of the technical memorandum following Task 3.

#### Task 3 – Review Meeting

BMcD will prepare for and facilitate a meeting consisting of DWC, NSMJAWA, NWC, Carollo, and BMcD team members to review the key findings and conclusions identified during Task 2. This meeting is proposed to be held virtually to allow participation by geographically distributed team members. It is anticipated the meeting will be approximately two (2) hours in length.

#### **SCHEDULE**

Burns & McDonnell is available to initiate work on this project upon execution of this proposal. We anticipate completing the work within 60 calendar days of receipt of a signed Task Order.

#### **COMPENSATION**

BMcD proposes to perform the Scope of Services for this proposal on a not to exceed basis for \$70,700 in accordance with the attached rate sheet.

#### **STAFFING**

Key members of the BMcD project team will include Joe Darlington (project manager), Paul Delphos (water treatment), John Pruss (program management), and Kevin Waddell (water estimator). BMcD intends to engage the services of Mott MacDonald for tunnel-related items.

Paul D. May, P.E.  
DuPage Water Commission  
June 26, 2023  
Page 3

## **GENERAL CONSIDERATIONS**

The following considerations are incorporated into the task order:

- Services will be completed in accordance with the Master Services Agreement between BMcD and DWC.
- All meetings are anticipated to be held virtually. In-person meeting participation by BMcD team personnel located in the greater Chicago area can be provided at DWC's request within the contract budget. In-person meeting participation by BMcD team personnel located outside of the greater Chicago area can be provided at DWC's request for travel expense plus applicable markup.
- BMcD will work collaboratively with DWC to support evaluation and implementation of the AWSSR. BMcD will consult with and report to DWC with DWC being responsible for final responses and decisions.
- The technical basis for the AWSSR has been developed through a thorough planning and evaluation effort completed by others. BMcD's services are not for the purpose of evaluating or revising the technical basis of the AWSSR. This includes the technical performance of proposed project elements, as well as compliance with regulatory requirements, specifically those associated with water quality, water source changes, and corrosion control. In addition, BMcD's services are not for the purpose of performing quality assurance / quality control of deliverables provided by others. Rather, BMcD will assist DWC by providing additional professional perspective and comments for DWC's consideration, decision, and action.
- BMcD will assist DWC in its efforts to evaluate the reasonableness of the AWSSR, but BMcD's services are not intended to, and cannot, eliminate all risk or guarantee an efficient or best value program and/or project.
- Estimates, schedules, forecasts, and projections, if any, prepared by BMcD are opinions based on BMcD's experience, qualifications, and judgment as a professional. Since BMcD has no control over weather, cost and availability of labor, cost and availability of material and equipment, cost of fuel or other utilities, labor productivity, construction contractor's procedures and methods, unavoidable delays, construction contractor's methods of determining prices, economic conditions, government regulations and laws (including the interpretation thereof), competitive bidding or market conditions, and other factors affecting such estimates or projections, BMcD does not guarantee that actual rates, costs,



Paul D. May, P.E.  
DuPage Water Commission  
June 26, 2023  
Page 4

quantities, performance, schedules, etc., will not vary significantly from estimates and projections prepared by BMcD.

We appreciate the opportunity to serve the DuPage Water Commission. If you have any questions regarding this agreement, please feel free to contact me at 630-724-3809.

Sincerely,

A handwritten signature in black ink that reads "Joseph M. Darlington".

Joseph M. Darlington, P.E.  
Program Manager / Associate Civil Engineer

Attachment: Proposed Fee Breakdown  
Rate Sheet BMR23-6A

**Dupage Water Commission**  
**Review of Alternative Water Supply Study Report**  
**Estimated Fees for Professional Consulting Services**  
**Burns & McDonnell Engineering Co., Inc.**  
**June 26, 2023**

<b>Staff/Member</b>	<b>Role</b>	<b>Hours</b>	<b>Billing Rate</b>	<b>Other Direct Costs</b>	<b>Total</b>
Darlington	Project Manager	24	\$ 276		\$ 6,624
Pruss	Program Management	8	\$ 284		\$ 2,272
Delphos	Water Treatment	24	\$ 282		\$ 6,768
Waddell	Cost Estimating	100	\$ 276		\$ 27,600
Mott MacDonald	Tunnels	80	\$ -	\$ 27,390	\$ 27,390
<b>Total</b>		<b>236</b>			<b>\$ 70,654</b>

## Schedule of Hourly Professional Service Billing Rates

<u>Position Classification</u>	<u>Classification Level</u>	<u>Hourly Billing Rate</u>
General Office *	5	\$71.00
Technician *	6	\$90.00
Assistant *	7	\$109.00
	8	\$148.00
	9	\$177.00
Staff *	10	\$202.00
	11	\$220.00
Senior	12	\$247.00
	13	\$269.00
Associate	14	\$276.00
	15	\$279.00
	16	\$282.00
	17	\$284.00

**NOTES:**

1. Position classifications listed above refer to the firm's internal classification system for employee compensation. For example, "Associate", "Senior", etc., refer to such positions as "Associate Engineer", "Senior Architect", etc.
2. For any nonexempt personnel in positions marked with an asterisk (\*), overtime will be billed at 1.5 times the hourly labor billing rates shown.
3. For outside expenses incurred by Burns & McDonnell, such as authorized travel and subsistence, and for services rendered by others such as subcontractors, the client shall pay the cost to Burns & McDonnell plus 10%.
4. Monthly invoices will be submitted for payment covering services and expenses during the preceding month. Invoices are due upon receipt. A late payment charge of 1.5% per month will be added to all amounts not paid within 30 days of the invoice date.
5. The services of contract/agency and/or any personnel of a Burns & McDonnell parent, subsidiary or affiliate shall be billed to Owner according to the rate sheet as if such personnel is a direct employee of Burns & McDonnell.
6. The rates shown above are effective for services through December 31, 2023, and are subject to revision thereafter.



**Resolution #:** R-41-23

**Account:** 01-60-771700

**Approvals:** Author / Manager / Finance / Admin

**DC RCB CAP PDM**

## REQUEST FOR BOARD ACTION

**Date:** 8/7/2023

**Description:** A Resolution Approving and Ratifying Certain Change Orders to a Contract for the SCADA Replacement Project (Contract PSD-9/21)

**Agenda Section:** Engineering & Construction

**Originating Department:** Engineering

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Resolution No. R-41-23 would approve the following Change Orders (*Contract Price Reduction of \$233,718.76*):

### **Change Order No. 3 to Contract for the SCADA Replacement Project (Contract PSD-9/21)**

1. Removal of the purchase of a second Waterfall unidirectional gateway. (Deduction of \$473,582.59)
2. Alternate purchase of SCADA software licensing, FactoryTalk Analytics DataView. (Deduction of \$65,563.85)
3. Addition of the SCADA radio system replacement, including all remote site radios, tail-end link radios, and back up telemetry system radios. (Addition of \$290,887.91)
4. Evans Furniture alternate cabinet and tabletop purchase. (Addition of \$14,539.77)

This Change Order request has been negotiated with the Contractor and has been found to be acceptable by the Commission's Design and Construction Engineers. A copy of their acceptance has been attached to this Change Order.

Approval of this Change Order would decrease the net Contract Price by \$233,718.76 revising the Contract Price from \$16,104,422.92 to \$15,870,704.16 for a 1.45% net total decrease from the Contract Price.

Approval of this Change Order does not authorize or necessitate a decrease 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.

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### **Recommended Motion:**

To Adopt Resolution R-41-23

DUPAGE WATER COMMISSION

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**RESOLUTION NO. R-41-23**

---

A RESOLUTION APPROVING AND RATIFYING  
CERTAIN CHANGE ORDERS TO A CONTRACT FOR THE  
SCADA REPLACEMENT PROJECT (CONTRACT PSD-9/21)

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 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.

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

Board/Resolutions/2023/R-41-23.docx

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EXHIBIT 1

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Resolution No. R-41-23

1. Change Order No. 3 to the Contract for the Construction of the SCADA Replacement Project (Contract PSD-9/21) for a \$233,718.76 net decrease in the Contract Price due to modifications in the approach of the work.

DuPAGE WATER COMMISSION  
CHANGE ORDER

SHEET 1 OF 3

PROJECT NAME: SCADA Replacement Project

CHANGE ORDER NO. 3

LOCATION: Cook and DuPage Counties, Illinois

CONTRACT NO. PSD-9/22

CONTRACTOR: Baxter & Woodman/Boller Construction

DATE: August 17, 2023

I. A. DESCRIPTION OF CHANGES INVOLVED:

1. Removal of the purchase of a second Waterfall unidirectional gateway unit.
2. Purchase of an alternate SCADA software, FactoryTalk Analytics DataView.
3. Addition of the SCADA radio system replacement.
4. Evans Furniture alternate cabinet and tabletop purchase.

B. REASON FOR CHANGE:

1. Change Order number 2 included the modification of the SCADA network design that combined the segregated remote and pump station networks at a cost deduction. As the design engineers and the integration team continued to refine the network change there was the determination that a second Waterfall unidirectional gateway was not needed. The removal of the second Waterfall unidirectional gateway comes with a proposed cost reduction of \$473,582.59.
2. During the development of the new SCADA system, the integration team was informed by Rockwell Automation that the analytical software VantagePoint that was planned to be used is to be discontinued. Rockwell has since segmented the functionalities of VantagePoint into several separate software packages. After several meetings to review alternative software, demos, and alternative pricing, it was decided to proceed with Rockwell Automation FactoryTalk Analytics DataView as the alternative software package. The purchase of the alternate software, FactoryTalk Analytics DataView comes with a proposed cost reduction of \$65,563.85.
3. In the past six months the Commission staff have been informed that the existing radio system used at all the remote locations as the backbone of the SCADA communication system is no longer being supported and will be discontinued in the next 18 months. Commission staff reached out to the local account representative at GE MDS to discuss the next generation of radios that can be used with the existing system infrastructure. In

preparation for this upgrade, the Commission staff budgeted for this work in the fiscal year 2023 - 2024 Capital Improvement Budget. During the time the budget was being reviewed and approved, this radio system modification was being shared with the SCADA Replacement Project engineers and integration team to be aware of the coming changes. After several workshops and discussions of these proposed upgrades, a concept was developed to have the integration team, Concentric Integration, take up this replacement project and combine it into the SCADA Replacement Project. The radio system upgrade would directly affect the ongoing upgrade to the SCADA communication system and coordinating it with the SCADA project would reduce the probability of conflict and system inconsistencies. Concentric Integration also already has in their project scope to replace all remote location radios, so having them take on this work would reduce the installation cost as it is already integrated into the SCADA project scope. The radio system replacement would include the replacement of the 124 GE SD9 radios with 124 GE Orbit LN9 radios, four GE Master stations with four new GE Master Stations with the required Orbit modules, six GE iNet radios with 10 GE Orbit NX9 radios (4 spare), and six GE Transnet radios with six GE TransNext radios. The addition of the SCADA radio system replacement comes at an additional cost of \$290,887.91.

4. During the Control Room furniture installation, it was discovered the three-high drawer cabinet system purchased for the Operator’s Office was damaged. In addition to the cabinets being damaged, the tabletop to be installed on top of the three-high drawer system was the incorrect size and damaged. After internal discussion, it was requested that Evans replace the three-high drawer and tabletop system with an alternate brand of our choosing, HON. It was also requested that they purchase two additional units to extend the cabinet system for the room and modify the tabletop to account for the added length. The requested HON cabinets are much more durable than the previous product and come at a higher cost than the original damaged units, with additional cost attributed to the two extra units and the modification of the tabletop length. The original cabinet and tabletop system was subtracted from the cost change which comes at an additional cost of \$14,539.77.

C. REVISION IN CONTRACT PRICE:

1.	Removal of Waterfall Unidirectional Gateway	-\$473,582.59
2.	Purchase of DataView Licensing	-\$65,563.85
3.	Addition of Radio System Replacement	\$290,887.91
4.	Evans Furniture alternate cabinets	\$14,539.77
5.	Total Change in Contract Price This Change Order	-\$233,718.76

II. CHANGE ORDER CONDITIONS:

1. The Completion Date established in the Contract, as signed or as modified by previous Change Orders, maintains the final Completion Date of May 31, 2026.
2. Any Increased 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 Increased Work and for Work of the same type as the Increased Work, 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 Required 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	\$ <u>16,443,000.00</u>
2.	Net addition due to all previous Change Orders Nos. <u>1</u> to <u>2</u>	\$ <u>-338,577.08</u>
3.	Contract Price, not including this Change Order	\$ <u>16,104,422.92</u>
4.	<b>Reduction</b> to Contract Price due to this Change Order	\$ <u>-233,718.76</u>
5.	Contract Price including this Change Order	\$ <u>15,870,704.16</u>

RECOMMENDED FOR ACCEPTANCE:

CONSULTING ENGINEERS: Carollo Engineers

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: Baxter & Woodman/Boller Construction, LLC

By: \_\_\_\_\_ ( )  
Signature of Authorized Representative Date

DUPAGE WATER COMMISSION:

By: \_\_\_\_\_ ( )  
Signature of Authorized Representative Date



**Resolution #:** R-44-23

**Account:** 01-60-722200, no additional cost

**Approvals:** *Author / Manager / Finance / Admin*

**D.P. RCB CAP PDM**

## REQUEST FOR BOARD ACTION

**Date:** 8/10/2023

**Description:** A Resolution Requesting Suspension of Purchasing Procedures and Authorizing the General Manager to Procure Installation Services for Two (2) Custom Fabric Storage Structures from a Sole Source Service Provider.

**Agenda Section:** Engineering & Construction

**Originating Department:** Pipeline

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On May 18, 2023, the Board approved R-19-23 for the purchase and installation of two (2) fabric material storage structures to Big Top Manufacturing in the amount not-to-exceed \$70,000.

Since the award of the contract, Big Top Manufacturing has clarified that their sole authorized structure erector, Casey General LLC, will perform the work of erecting the fabric structures as a partner but by separate billing to the Commission.

In order to maintain Structural Engineering Certification elements of the design and installation, staff is recommending authorization of the installation services to sole source installer, Casey General LLC.

The original Purchase Order directly to Big Top will be revised to reflect the final material purchase cost, and staff is seeking authorization to issue a Purchase Order in the amount not-to-exceed \$31,000.00 to Casey General LLC, to cover installation labor and incidentals.

The cost to purchase and install the two (2) fabric parts and materials storage structures shall not exceed the original approved cost of \$70,000.00 without board approval. This resolution seeks to clarify that payment will be rendered to two parties: 1) the supplier Big Top Manufacturing and 2) the installer Casey General, LLC.

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**Recommended Motion:**

To Authorize the Suspension of Purchasing Procedures and Authorizing the General Manager to Procure Installation Services for Two (2) Custom Fabric Storage Structures from a Sole Source Service Provider.

DuPAGE WATER COMMISSION

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**RESOLUTION NO. R-44-23**

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A RESOLUTION SUSPENDING THE PURCHASING PROCEDURES  
AND AUTHORIZING THE GENERAL MANAGER TO PROCURE INSTALLATION SERVICES FOR TWO (2)  
CUSTOM FABRIC STORAGE STRUCTURES FROM A SOLE SOURCE SERVICE PROVIDER

WHEREAS, the Commission was formed and exists pursuant to the Water Commission Act of 1985, 70 ILCS 3720/0.01 et seq., and Division 135 of Article 11 of the Illinois Municipal Code, 65 ILCS 5/11-135-1 et seq., for the purpose of securing an adequate source and supply of water for its customers; and

WHEREAS, the Commission previously authorized the purchase of materials and installation services for two (2) custom fabric storage structures from Big Top Manufacturing; and

WHEREAS, Big Top Manufacturing has clarified that the actual installation services are to be provided by Casey General LLC as their sole-source service provider as a separate entity; and

WHEREAS, staff desires to procure the services of Casey General LLC to complete the installation of the custom fabric storage structures to complete the transaction in its entirety for the purposes of structural integrity;

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 General Manager is hereby authorized to procure the installation services for the custom fabric structures from the Sole Source Service Provider, Casey General LLC, in an amount not to exceed \$31,000.

**RESOLUTION NO. R-44-23**

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.				
VanVooren, D.				
Zay, J.				

ADOPTED THIS \_\_\_ DAY OF \_\_\_\_\_, 2023.

\_\_\_\_\_  
James Zay, Chairman

ATTEST:

\_\_\_\_\_  
Danna Mundall, Clerk



**Resolution #:** R-45-23

**Account:** 01-60-751100 \$20,000.00

**Approvals:** *Author / Manager / Finance / Admin*

**D.P. RCB CAP PDM**

## REQUEST FOR BOARD ACTION

**Date:** 8/10/2023

**Description:** **A Resolution Approving and Ratifying a First Amendment to Task Order No. 14 Under a Master Task Order Agreement with AECOM**

**Agenda Section:** Engineering & Construction

**Originating Department:** Pipeline

On November 19, 2020, the Board approved R-48-20, Task Order No. 14 with AECOM Technical Services, Inc., for professional engineering services in connection with The Central Tri-State (I-294) Reconstruction Project, including but not limited to Construction Engineering and On-Site Construction Observation and Inspection, as needed at an estimated cost not-to-exceed \$60,000.00.

Due to the criticality of the work adjacent to the Commission's 90" and 72" supply transmission mains and the need for continual inspection and vibration analyses for work in proximity to commission critical assets, funding for the construction services must be replenished to continue said services into the next phase. Staff is recommending an increase of the cost not-to-exceed by \$20,000.00 to reflect an increase from \$60,000 to \$80,000 for continuation of Construction Services.

### **Recommended Motion:**

To adopt Resolution No. R-45-23 for Construction Services with AECOM for an estimated additional cost of \$20,000.00.

DUPAGE WATER COMMISSION

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**RESOLUTION NO. R-45-23**

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A RESOLUTION APPROVING A FIRST AMENDMENT TO TASK ORDER NO. 14 UNDER A MASTER CONTRACT WITH AECOM TECHNICAL SERVICES, INC.

WHEREAS, the DuPage Water Commission (the "Commission") entered into a contract with AECOM Technical Services, Inc. (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-48-20, the Commission approved Task Order No. 14 to the Master Contract for Professional Engineering Services for the DuPage Water Commission; and

WHEREAS, the Commission and Consultant desire to amend Task Order No. 14 to the Master Contract to add costs incurred with Construction Administration and Resident Engineering 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. 14 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. 14 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 First Amendment to Task Order No. 14 attached hereto as Exhibit 1 shall be and hereby is approved.

SECTION THREE: 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/2022/R-45-23.docx

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EXHIBIT 1

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**FIRST AMENDMENT TO  
TASK ORDER NO. 14**

In accordance with Section 1.1 of the Master Contract between the DuPage Water Commission (“Owner”) and AECOM Technical Services, Inc. (“Consultant”), for Professional Engineering Services dated June 19, 2013 (the “Contract”), Owner and Consultant agree to amend, effective August 17, 2023, Task Order No. 14 to the Illinois State Toll Highway Authority’s (ISTHA) Central Tri-State Widening Project Contract 4496 (Advanced Northbound CO9A), Contract 4300 (Mainline Northbound CO9D), and Contract TBD (Mainline Northbound CO9D) Construction Services (Task Order No. 14) as follows:

1. **Key Project Personnel:**

Section 7, entitled “Key Project Personnel” of Task Order No. 14 shall be amended in its entirety so that said Section 7 shall hereafter be and read as follows:

“Key Project Personnel:  
Chad Laucamp”

2. **Contract Price:**

Section 8, entitled “Contract Price,” of Task Order No. 14 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 times the following factor set forth 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:

Phase	Lump Sum
Task 1 – Construction Engineering	\$40,000.00
<i>Task 2 – Onsite Construction Observation and Inspection</i>	<i>\$40,000.00</i>
<i>Total Estimated Cost</i>	<i>\$80,000.00</i>

*Notwithstanding the foregoing, the total Contract Price shall be increased by \$20,000.00 to a total not to exceed sum of \$80,000.00. The contact price maybe adjusted by a Change Order issued pursuant to Section 2.1 of the Contract.”*

In all other respects, Task Order No. 14 to the Contract shall remain in full force and effect, and Task Order No. 2 to the Contract shall be binding on both parties as hereinabove amended.

DuPAGE WATER COMMISSION

BY: \_\_\_\_\_  
Paul D. May, PE  
General Manager

AECOM TECHNICAL SERVICES, INC.

BY: \_\_\_\_\_  
Timothy J White, P.E.  
Vice President