



AGENDA – Engineering and Construction Committee

Thursday, January 18, 2024 6:00 PM

Committee Members

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

- I. Roll Call
- II. Approval of the November 16, 2023, Engineering & Construction Committee Minutes

RECOMMENDED MOTION: To approve the Minutes of the November 16, 2023, Engineering & Construction Committee Meeting of the DuPage Water Commission.

- III. Report of Status of Operations and Construction
- IV. **Resolution R-1-24:** A Resolution Approving a 12-Month Contract Extension for Heavy Machinery and Equipment Rigging, Transportation and Installation Service to Mecon Industries Inc. **(No Cost This Action)**
- V. **Resolution R-2-24:** A Resolution Suspending Purchasing Procedures and Authorizing the General Manager to Purchase a Pump Control Valve **(American Control Valve - \$225,000)** and Procure Repair Services for a Malfunctioning Pump Control Valve **(A/C Service and Repair – Estimated Cost of \$150,000)** from Sole Source Providers
- VI. **Resolution R-4-24:** A Resolution Approving and Authorizing the Execution of an Amendment of Task Order No. 01 with Burns & McDonnell Engineering Co., Inc. **(Not-To-Exceed Additional Cost of \$5,447.00)**
- VII. **Resolution R-5-24:** A Resolution Suspending Purchasing Procedures and Authorizing the General Manager to Purchase Replacement Mechanical Seals, Associated Parts, and Labor Service for the Commission’s Large Service Pumps from Superior Industrial Equipment. **(Not-To-Exceed \$180,000)**
- VIII. **Resolution R-6-24:** A Resolution to Ratify Certain Work Authorization Orders Under Quick Response Contract QR-12/21 **(WAO No. 021 – Rossi Contractors, Inc. – Estimated Not-to-Exceed \$30,000)**

- IX. **Resolution R-7-24:** A Resolution to Ratify Certain Work Authorization Orders Under Quick Response Contract QR-12/21 (**WAO No. 022 – Benchmark Construction Co., Inc. – Estimated Not-to-Exceed \$220,000**)

- X. **RFBA:** Authorization for General Manager to Issue a Purchase Order to W.W. Grainger Inc. for replacement Emergency LED Light Fixtures at Remote Facilities (**\$38,393.85 plus shipping**)

RECOMMENDED MOTION: To recommend approval of Items 2 through 8 of the Engineering and Construction Agenda.

- XI. Other
 - a. WaterLink Communities (Montgomery/Oswego/Yorkville) – A report regarding Phase I engineering activities, the Engineer’s Opinion of Probable Construction Costs, and continuation of Phase II Engineering.

- XII. Adjournment

**Minutes of a Meeting
of the**

ENGINEERING & CONSTRUCTION COMMITTEE

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

November 16, 2023

Commissioner Saverino called the meeting to order at 6:03 P.M.

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

Committee members absent: D. Bouckaert and J. Fennell

Also in attendance: C. Bostick, D. Cuvalo, J. Haney, J. Loster, P. May, D. Panaszek and M. Weed

Commissioner Saverino moved to approve the Minutes of the September 21, 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 Operations and Maintenance activities as listed in the Report of Status of Operations and Construction Report as well as the status of ongoing Capital Engineering, Capital Improvement Projects and Board Action Items.

Manager of Water Operations Bostick reported that HLP #9 and Motor #9 mechanical seals are being installed and the pump and motor are to be placed back into service pending completion of outstanding work. Manager of Water Operations Bostick also reported that when HLP #9 is back in service, the next HLP and Motor assembly will be removed for inspection and service.

Manager of Water Operations Bostick reported that CAT Power Systems has mobilized for the upgrade of the Emergency Generation System Controls, that Greeley and Hansen is providing Technical Observation and Project Management services to document the upgrade on behalf of the Commission and the work is progressing on schedule. In a related matter, Manager of Water Operations Bostick advised that R-60-23 appears on the agenda seeking approval to engage HSQ Technologies, the Commission's existing SCADA system provider, to provide support in transferring critical data between the new generator controls platform and the existing SCADA platform at a cost not to exceed \$24,954.00.

Regarding R-56-23, Manager of Water Operations Bostick advised the Committee that this action is seeking approval of a 36-month Landscape Maintenance Services for the DuPage Pumping Station and remote tank sites with the lowest responsible bidder; Beary Landscaping. Manager of Water Operations Bostick reported that Beary has been performing these services under several previous contract iterations and has performed very well. Manager of Water Operations Bostick also advised the contract has several indeterminate unit prices to perform additional work when assigned.

General Manager May updated the Committee on the activities regarding the Alternate Source Water Studies. General Manager May advised the Committee that R-58-23 appears on the agenda seeking approval of Task Order No. 03 with Carollo Engineering, Inc. to provide additional services as needed in furtherance of the Alternate Source Water Studies.

Manager of Water Operations Bostick advised the Committee that Exterior Standpipe Cleaning Services at Standpipe No. 2 are complete and the standpipe cleaning program will recommence next year. Manager of Water Operations Bostick advised the Committee that the scheduled standpipe washing is a five-year program to prolong the service life of the standpipe coatings.

Regarding the DPPS Emergency Generation System, Manager of Water Operations Bostick advised the Committee R-57-23 appears on the agenda seeking approval of Task Order No. 04 for necessary work to support architectural coping, and to remediate plumbing and HVAC conflicts as determined by the engineer. Manager of Water Operations Bostick advised the Committee that the building envelope is nearly complete.

Regarding the Montgomery/Oswego/Yorkville (the Water Link Communities) pipeline Phase I design, Manager of Water Operations Bostick advised the Committee the design team is diligently proceeding with the scheduled work including the continued engagement with stakeholders, engineering data gathering and discussions about alternative pipe routes and acquisition of property rights.

Regarding the SCADA system improvements, Manager of Water Operations Bostick advised that programming continues to be developed and is on schedule with control system acceptance testing and installation planning with tentative hardware installation commencing in January 2024.

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 through 5 of the Engineering and Construction Committee portion of the Commission Agenda (Items IV through VII on the Engineering and Construction Committee Agenda). Seconded by Commissioner Novotny and unanimously approved by a Voice Vote.

Commissioner Saverino asked 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 6:17 P.M. Seconded by Chairman Zay and unanimously approved by a Voice Vote.



MEMORANDUM

To: Paul May – General Manager

From: Chris Bostick – Manager of Water Operations
Jeff Loster – Manager of Engineering

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

Date: 12/14/2023

Subject: Status of Operations, Engineering and Construction

Operations Overview

The Commission's sales for November 2023 were a total of 1.99 billion gallons. This represents an average daily demand of 66.2 million gallons per day (MGD), which is higher than the November 2022 average day demand of 64.7 MGD. The maximum day demand was 70.0 MGD recorded on November 28, 2023, which is higher than the November 2022 maximum day demand of 69.1 MGD. The minimum day flow was 60.1 MGD.

The Commission's recorded total precipitation for November 2023 was .89 inches compared to .86 inches for November 2022. The level of Lake Michigan for November 2023 is 579.10 (Feet International Great Lakes Datum (IGLD) 1985) compared to 579.27 (Feet IGLD 1985) for November 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 annually. 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; reinstallation and assembly of both pump and motor are in process.

The Annual Customer Meter Testing Program is 57% complete.

CAT Power Systems mobilized on November 6th to commence the upgrade of the Emergency Generation System Controls package as approved under a cooperative purchasing agreement through Omnia Partners. Greeley and Hansen is providing Technical Observation and Project Management services to document the upgrade on behalf of the Commission. Cat Power Systems replaced and upgraded the existing generator controls package and provided generator sequence testing load testing. Approximately 90% of the project is complete. Fine tuning of the system is expected to continue throughout December.

Alternate Water Source Study

In October 2023, the Board of Commissioners received a presentation from the engineering firm Carollo Inc., in which a general project overview and progress were shared with the Commission. Project design components, schedule, costs, and potential water agency partners were also reviewed. Burns and McDonnell engineers were engaged to validate the Carollo study. Both firms are working together to refine the projected construction schedule to assist the Commission with determining the optimal length of the extension of the Water Purchase and Sale Agreement with the City of Chicago.

Staff from Raftelis Financial Consultants, Inc. were also present at the October 2023 meeting, having been contracted by the Commission to provide a financial review of the work performed by Carollo, Inc. They too gave a presentation to share their review of anticipated project schedule, costs and financing options based on assumed parameters.

NSMJAWA and NWC have both received presentations from the Source Water consultant team in November and Commission staff will continue to coordinate with these agencies in order to closely monitor their desired level of participation as the project progresses.

Pipeline & Remote Facilities Maintenance Overview

Pipeline engaged a Quick Response Contractor on December 11th to commence excavation and repair of a 24" steel watermain leak located within a primary and highly traveled street in the Village of Lombard. This work includes temporary full lane closures and coordination with several utilities which lay in proximity to the leak.

Pipeline Staff continues Meter Station drainage improvements, Air Release Structure inspections, Corrosion Protection Test Station inspections, Meter Station inspections, and performing maintenance and corrective work.

Pipeline Staff continues monitoring I-294 (NB) Tollway construction work in the vicinity of the Commission's 72-inch water main.

Engineering & Capital Improvement Program Overview

The DPPS Emergency Generation System Modifications (Contract PSD-10/22) project is ongoing. The contractor is currently working on building the new HVAC louver plenum and

will then complete remaining components on the addition exterior (roofing work, access components, etc.). Generator installation is currently scheduled for late February, 2024.

DeLasCasas CP, LLC. is working with Commission staff on design for a cathodic protection galvanic anode system intended to service a portion of the West Transmission Main and has finished design of a cathodic protection galvanic anode system to service the Inner Belt Transmission Main.

WaterLink Communities (Montgomery/Oswego/Yorkville)

Phase I engineering continues to progress with geotechnical investigation, hydraulic analysis and the research of parcel-ownership along the intended project route. Staff and the Phase I engineering consultant, LAN and Associates (LAN), continue to actively engage stakeholders and affected state, county, municipal and other private agencies along the route. Phase I engineering work is anticipated to wrap up at the end of the 2023 calendar year, culminating in a Project Development Report which will summarize the Phase I findings and help direct Phase 2 engineering efforts. The Engineer's monthly status report is included within the Board packet.

SCADA & Information Technology Overview

The SCADA Replacement Project (Contract PSD-9/21) is ongoing. The SCADA system programming continues to be developed and is on schedule with Concentric Integration's control system acceptance testing and installation plans. The next major phase of the project, the DWC Campus head end system installation and control panel replacement, is around the corner with the work anticipated to kick off in early 2024. DWC staff members are actively preparing for the upcoming control system installation with sequencing workshops being held and methods of procedure being planned out. The Factory Acceptance Test (FAT) for the new SCADA system is scheduled for January/February 2024. The project is progressing under budget and on schedule.

Attachments

1. DuPage Laboratory Bench Sheets for November 2023
2. Water Sales Analysis 01-May-2020 to 30-November-2023
3. DuPage Water Commission Chart Sales vs. Historical Average
4. DuPage Water Commission Chart Sales vs. Allocation
5. WaterLink status report

DU PAGE WATER COMMISSION
WATER SALES ANALYSIS

01-May-92 TO 30-Nov-23

PER DAY AVERAGE 78,080,228

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
Aug-23	2,708,945,000	2,773,069,509	97.69%	\$14,601,213.55	\$12,586,962.50	832,992	0.03%	97.72%	\$5.39	\$4.539
Sep-23	2,406,858,000	2,471,708,096	97.38%	\$12,972,964.62	\$11,219,083.05	753,904	0.03%	97.41%	\$5.39	\$4.539
Oct-23	2,071,291,000	2,116,545,770	97.86%	\$11,164,258.49	\$9,607,001.25	1,034,131	0.05%	97.91%	\$5.39	\$4.539
Nov-23	1,902,725,000	1,957,768,374	97.19%	\$10,255,687.75	\$8,886,310.65	809,342	0.04%	97.23%	\$5.39	\$4.539
TOTALS (1)	900,733,504,798	926,704,836,034	97.20%	\$2,234,576,317.50	\$1,974,507,957.20	867,413,480	0.09%	97.29%	\$2.48	\$2.131

(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

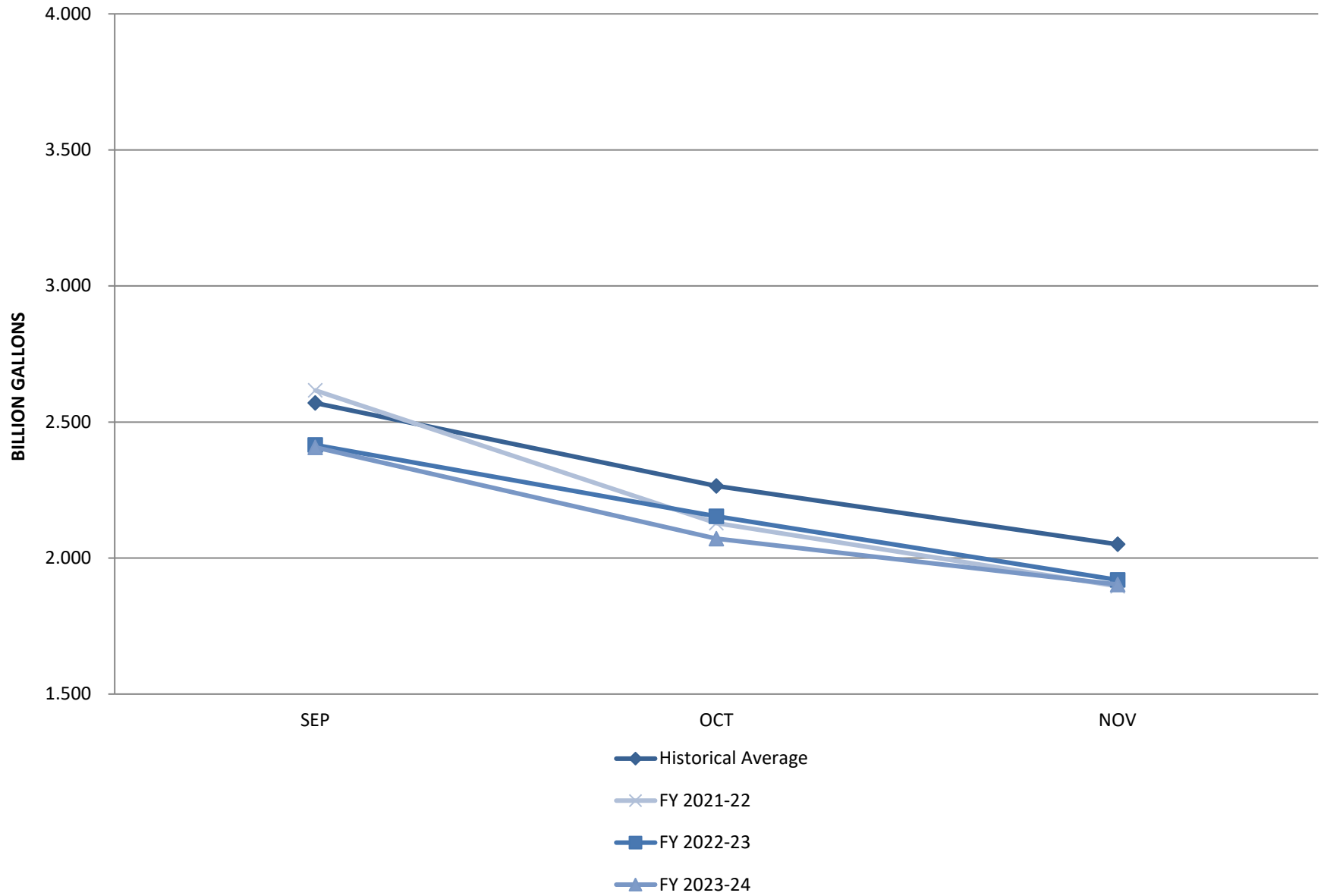
Nov-22	16,940,375,000	17,456,065,526	97.05%	87,751,143	74,962,206				\$5.18	\$4.294
Nov-23	17,103,057,000	17,542,960,044	97.49%	92,185,477	79,076,220				\$5.39	\$4.508
	162,682,000	86,894,518		\$4,434,335	\$4,114,014					
	1.0%	0.5%		5.1%	5.5%					
Month										
Nov-22	1,919,552,000	1,979,550,491	96.97%	9,943,279	8,555,617				\$5.18	\$4.322
Nov-23	1,902,725,000	1,957,768,374	97.19%	10,255,688	8,886,311				\$5.39	\$4.539
	(16,827,000)	(21,782,117)		\$312,408	\$330,693					
	-0.9%	-1.1%		3.1%	3.9%					
Nov>Oct	(168,566,000)	(158,777,396)		(908,571)	(720,691)					

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

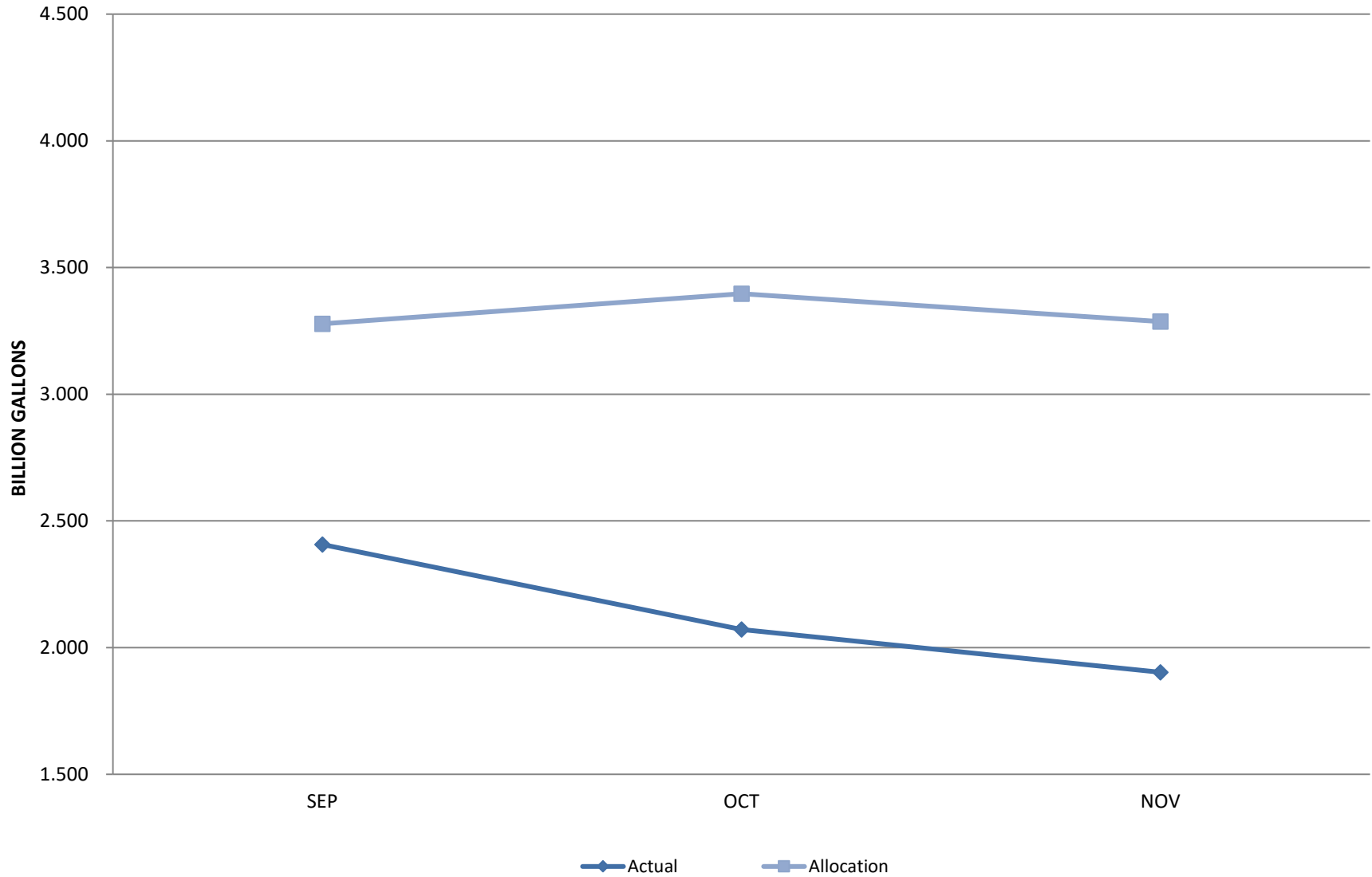
DATE	LEXINGTON P. S. SUPPLY			DUPAGE P. S. DISCHARGE							ANALYST INT.
	FREE Cl2 (mg/L)	TURBIDITY (ntu)	O-PO4 (mg/L)	FREE Cl2 (mg/L)	TURBIDITY (ntu)	TEMP (°F)	pH	Fluoride (mg/L)	O-PO4 (mg/L)	P.A.C. (LBS/MG)	
1	1.29	0.07	0.59	1.32	0.09	59	7.2	0.8	0.60	0	AM
2	1.31	0.08	0.61	1.36	0.08	59	7.1	0.8	0.58	0	JS
3	1.31	0.09	0.58	1.33	0.08	60	7.2	0.8	0.60	0	JS
4	1.33	0.10	0.63	1.34	0.09	59	7.2	0.8	0.61	0	AM
5	1.34	0.08	0.62	1.28	0.08	60	7.1	0.8	0.60	0	AM
6	1.33	0.10	0.63	1.36	0.07	60	7.1	0.8	0.61	0	JS
7	1.21	0.11	0.60	1.34	0.08	62	7.2	0.8	0.61	0	JS
8	1.40	0.09	0.60	1.37	0.08	61	7.2	0.8	0.62	0	AM
9	1.30	0.09	0.59	1.32	0.08	58	7.2	0.7	0.58	0	AM
10	1.32	0.08	0.57	1.38	0.09	59	7.1	0.7	0.59	0	AM
11	1.40	0.09	0.61	1.46	0.08	59	7.2	0.8	0.61	0	JS
12	1.38	0.09	0.60	1.41	0.08	59	7.2	0.8	0.59	0	KD
13	1.32	0.07	0.61	1.32	0.08	58	7.3	0.7	0.59	0	AM
14	1.36	0.08	0.60	1.36	0.08	58	7.1	0.8	0.58	0	AM
15	1.36	0.09	0.60	1.39	0.08	58	7.2	0.8	0.59	0	JS
16	1.40	0.09	0.59	1.41	0.08	59	7.2	0.8	0.60	0	JS
17	1.33	0.10	0.61	1.37	0.07	60	7.2	0.8	0.58	0	JS
18	1.27	0.08	0.60	1.24	0.09	57	7.2	0.7	0.63	0	KD
19	1.32	0.08	0.61	1.26	0.09	58	7.2	0.7	0.62	0	KD
20	1.30	0.09	0.60	1.32	0.09	57	7.2	0.7	0.60	0	JS
21	1.28	0.10	0.60	1.33	0.08	56	7.1	0.8	0.60	0	JS
22	1.46	0.07	0.59	1.33	0.09	56	7.1	0.8	0.61	0	KD
23	1.39	0.08	0.60	1.35	0.10	55	7.2	0.8	0.60	0	KD
24	1.34	0.08	0.61	1.31	0.09	57	7.4	0.8	0.61	0	KD
25	1.37	0.09	0.55	1.25	0.08	57	7.3	0.8	0.56	0	RC
26	1.33	0.09	0.59	1.30	0.09	57	7.2	0.7	0.58	0	AM
27	1.33	0.08	0.61	1.30	0.08	54	7.3	0.7	0.63	0	KD
28	1.32	0.08	0.62	1.29	0.09	53	7.3	0.7	0.61	0	KD
29	1.56	0.08	0.56	1.45	0.08	52	7.4	0.7	0.56	0	RC
30	1.44	0.09	0.49	1.36	0.08	54	7.4	0.8	0.54	0	RC
31											
AVG.	1.35	0.09	0.60	1.34	0.08	58	7.2	0.8	0.60	0	
MAX.	1.56	0.11	0.63	1.46	0.10	62	7.4	0.8	0.63	0	
MIN.	1.21	0.07	0.49	1.24	0.07	52	7.1	0.7	0.54	0	

Mike Weed 12/5/23
Mike Weed, Operations supervisor Date
Illinois ROINC # 186860234

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





MEMORANDUM

To: Paul May – General Manager

From: Chris Bostick – Manager of Water Operations
Jeff Loster – Manager of Engineering

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

Date: 1/11/2024

Subject: Status of Operations, Engineering and Construction

Operations Overview

The Commission's sales for December 2023 were a total of 2.06 billion gallons. This represents an average daily demand of 66.6 million gallons per day (MGD), which is lower than the December 2022 average day demand of 67.2 MGD. The maximum day demand was 71.2 MGD recorded on December 14, 2023, which is lower than the December 2022 maximum day demand of 76.7 MGD. The minimum day flow was 61.0 MGD.

The Commission's recorded total precipitation for December 2023 was 2.89 inches compared to 2.87 inches for December 2022. The level of Lake Michigan for December 2023 is 578.87 (Feet International Great Lakes Datum (IGLD) 1985) compared to 578.97 (Feet IGLD 1985) for December 2022.

Operations & Instrumentation Maintenance and Construction Overview

A modernization upgrade that includes the replacement of electromechanical controls and communication systems on the DuPage Pump Station's single-car elevator is in process. The tentative completion date is March 2024.

The DuPage Pump Station's High Lift Pump (HLP) #9 and Motor #9 were removed and sent to Midwest Service Center for cleaning and performance checks, cleaning and repair services. The units were returned to the Pump Station for reinstallation.

The Annual Customer Meter Testing Program is 80% complete.

Resolution R-1-24 appears on the agenda seeking approval of a 12-month contract time renewal for Heavy Machinery and Equipment Rigging, Transportation, and Installation Service with Meccon Industries Inc.

Resolution R-2-24 appears on the agenda to suspend the purchasing procedures and authorize the General Manager to purchase a High Lift Pump control valve and procure repair services for a separate malfunctioning High Lift Pump control valve from sole source providers.

Resolution R-5-24 appears on the agenda to suspend the purchasing procedures and authorize the General Manager to purchase replacement Mechanical Seals, associated Parts, and Labor Service for the Commission's High Lift Pumps, at a cost not to exceed \$180,000 from Superior Industrial Equipment.

CAT Power Systems has completed the upgrade of the Emergency Generation System Controls package as approved under a cooperative purchasing agreement through Omnia Partners. Both CAT and Greeley & Hansen will complete the record documentation and submit for final approval and payment.

Assistance to NSMJAWA

NSMJAWA (Northwest Suburban Municipal Joint Action Water Agency) has indicated they have a leak. To date, the extent of the leak is undetermined, however the eventuality is that in order to perform repairs, it may be necessary to utilize interconnections to support the system if the repairs last for an extended period of time. Several commission customers who have existing emergency interconnects with certain NSMJAWA customers, have been contacted seeking permission to operate the interconnects to back feed the NSMJAWA customers if NSMJAWA ceases operation. In addition, the Village of Schaumburg, also a NSMJAWA customer, has requested activation of the DWC/Schaumburg Emergency Interconnection to supply Schaumburg with up to 10 million gallons per day. Schaumburg also intends to backfeed other NSMJAWA customers through the DWC interconnect if possible. DWC continues engaging in conversations between NSMJAWA directly, as well as NSMJAWA customers and Commission Customers to ascertain what assistance the Commission may be able to lend without impacting service to the DuPage Water Commission system as a whole.

Alternate Water Source Study

In October 2023, the Board of Commissioners received a presentation from the engineering firm Carollo Inc., in which a general project overview and progress were shared with the Commission. Project design components, schedule, costs, and potential water agency partners were also reviewed. Burns and McDonnell engineers were engaged to validate the Carollo study. Both firms continue working together to refine the projected construction schedule to assist the Commission with determining the optimal length of the extension of the Water Purchase and Sale Agreement with the City of Chicago.

NSMJAWA and NWC and Commission staff will continue to coordinate with these agencies in order to closely monitor their desired level of participation as the project progresses. DWC expects to have an updated memorandum by the end of January, which will be summarized for consideration by the Board regarding the recommended length for the Chicago Source Water Contract extension.

Pipeline & Remote Facilities Maintenance Overview

Pipeline Staff is performing an annual valve exercising program.

Pipeline Staff continues Meter Station drainage improvements, Air Release Structure inspections, Corrosion Protection Test Station inspections, Meter Station inspections, and performing maintenance and corrective work.

Pipeline Staff continues monitoring I-294 (NB) Tollway construction work in the vicinity of the Commission's 72-inch water main.

Engineering & Capital Improvement Program Overview

The DPPS Emergency Generation System Modifications (Contract PSD-10/22) project is ongoing. The portable generator has been removed from the DPPS Campus and is currently being modified off-site, with the reinstallation of the modified generator currently scheduled for late February, 2024. The exterior of the addition is nearly complete and interior fuel lines and controls associated with the new generator are being installed.

DeLasCasas CP, LLC. has completed designs for galvanic anode cathodic protection systems to service a portion of the West Transmission Main and the Inner Belt Transmission Main. Construction pricing is currently being solicited with contract approval by the Board anticipated in February, 2024.

WaterLink Communities (Montgomery/Oswego/Yorkville)

Phase I engineering on the WaterLink Project is nearly complete. Staff and the Phase I engineering consultant, LAN and Associates (LAN) continue to coordinate final project components and complete project close-out. A preliminary draft of the Project Development Report (PDR) has been completed and is currently under review by DWC Staff. This document provides a summary of all Phase I engineering efforts including project parameters, pipe alignment and a construction cost estimate – all of which will ultimately help direct the Phase 2 engineering effort for this project. A supplementary Technical Memorandum on the Opinion of Probably Construction Cost has also been completed, which provides significant detail on estimated project costs based on the completion of Phase I engineering efforts. This document, in addition to the Engineer's monthly status report, will be summarized for the Engineering Committee.

SCADA & Information Technology Overview

The SCADA Replacement Project (Contract PSD-9/21) is ongoing. Concentric is in the process of performing an internal Factory Acceptance Test (FAT) which will be followed up with the formal FAT with DWC staff and Resident Engineers in early February. The SCADA system installation is scheduled to begin at the end of February starting with the DWC campus network equipment and control panels. The new AV system hardware has been installed, including the head-end network equipment and the Control Room TV wall. The final component, the AV system controls, will be installed in February alongside the SCADA system network components. The project is progressing under budget and on schedule.

January 2024 Commission Agenda Items:

- Resolution R-1-24:** A Resolution Approving a 12-Month Contract Time Renewal for Heavy Machinery and Equipment Rigging, Transportation and Installation Service to Mecon Industries Inc. **(No Cost This Action)**
- Resolution R-2-24:** A Resolution Suspending Purchasing Procedures and Authorizing the General Manager to Purchase a Pump Control Valve **(American Control Valve - \$225,000)** and Procure Repair Services for a Malfunctioning Pump Control Valve **(A/C Service and Repair – Estimated Cost of \$150,000)** from Sole Source Providers
- Resolution R-4-24:** A Resolution Approving and Authorizing the Execution of an Amendment of Task Order No. 01 with Burns & McDonnell Engineering Co., Inc. **(Not-To-Exceed Additional Cost of \$5,447)**
- Resolution R-5-24:** A Resolution Suspending Purchasing Procedures and Authorizing the General Manager to Purchase Replacement Mechanical Seals, Associated Parts, and Labor Service for the Commission’s Large Service Pumps from Superior Industrial Equipment. **(Not-To-Exceed \$180,000)**
- Resolution R-6-24:** A Resolution to Ratify Certain Work Authorization Orders Under Quick Response Contract QR-12/21 **(WAO No. 021 – Rossi Contractors, Inc. – Estimated Not-to-Exceed \$30,000)**
- Resolution R-7-24:** A Resolution to Ratify Certain Work Authorization Orders Under Quick Response Contract QR-12/21 **(WAO No. 022 – Benchmark Construction Co., Inc. – Estimated Not-to-Exceed \$220,000)**
- RFBA:** Authorization for General Manager to Issue a Purchase Order to W.W. Grainger Inc. for replacement Emergency LED Light Fixtures at Remote Facilities **(\$38,393.85 plus Shipping)**

Attachments

1. DuPage Laboratory Bench Sheets for December 2023
2. Water Sales Analysis 01-May-2020 to 30-December-2023
3. DuPage Water Commission Chart Sales vs. Historical Average
4. DuPage Water Commission Chart Sales vs. Allocation
5. WaterLink status report

DU PAGE WATER COMMISSION
WATER SALES ANALYSIS

01-May-92 TO 31-Dec-23

PER DAY AVERAGE 78,041,520

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
Aug-23	2,708,945,000	2,773,069,509	97.69%	\$14,601,213.55	\$12,586,962.50	832,992	0.03%	97.72%	\$5.39	\$4.539
Sep-23	2,406,858,000	2,471,708,096	97.38%	\$12,972,964.62	\$11,219,083.05	753,904	0.03%	97.41%	\$5.39	\$4.539
Oct-23	2,071,291,000	2,116,545,770	97.86%	\$11,164,258.49	\$9,607,001.25	1,034,131	0.05%	97.91%	\$5.39	\$4.539
Nov-23	1,902,725,000	1,957,768,374	97.19%	\$10,255,687.75	\$8,886,310.65	809,342	0.04%	97.23%	\$5.39	\$4.539
Dec-23	1,972,754,000	2,031,158,416	97.12%	\$10,633,144.06	\$9,219,428.05	2,329,064	0.11%	97.24%	\$5.39	\$4.539
TOTALS (1)	902,706,258,798	928,735,994,450	97.20%	\$2,245,209,461.56	\$1,983,727,385.25	869,742,544	0.09%	97.29%	\$2.49	\$2.136

(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

Dec-22	19,011,488,000	19,579,515,186	97.10%	98,479,508	84,139,755			\$5.18	\$4.297
Dec-23	19,075,811,000	19,574,118,460	97.45%	102,818,621	88,295,648			\$5.39	\$4.511
	64,323,000	(5,396,726)		\$4,339,113	\$4,155,893				
	0.3%	0.0%		4.4%	4.9%				
Month									
Dec-22	2,071,113,000	2,123,449,660	97.54%	10,728,365	9,177,549			\$5.18	\$4.322
Dec-23	1,972,754,000	2,031,158,416	97.12%	10,633,144	9,219,428			\$5.39	\$4.539
	(98,359,000)	(92,291,244)		(\$95,221)	\$41,879				
	-4.7%	-4.3%		-0.9%	0.5%				
Dec>Nov	70,029,000	73,390,042		377,456	333,117				

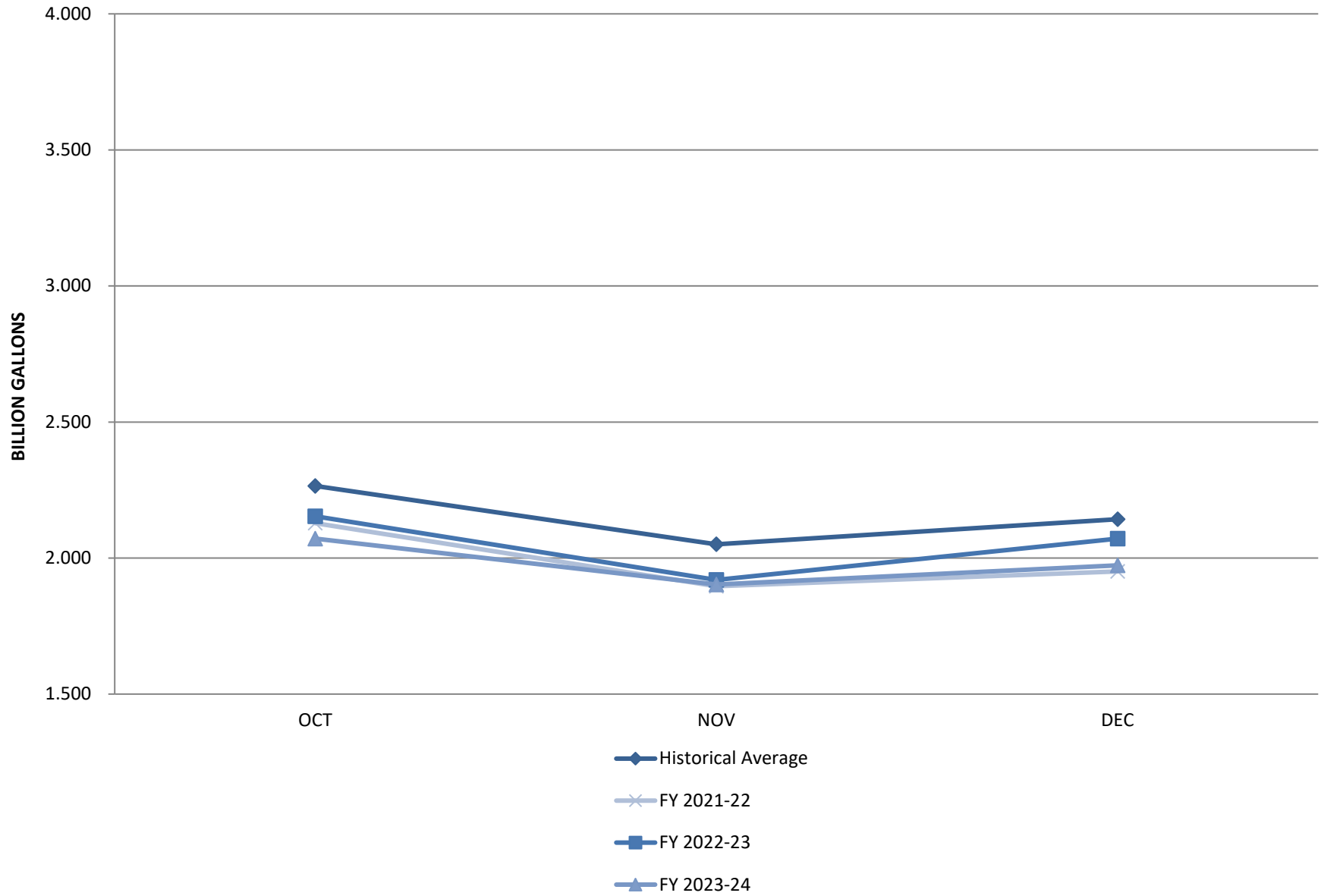
DUPAGE WATER COMMISSION
 PWS FACILITY ID# - IL435400
 MONTHLY OPERATIONS REPORT
 DUPAGE WATER COMMISSION LABORATORY BENCH SHEET RESULTS
 DECEMBER 2023

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	1.33	0.09	0.56	1.40	0.08	53	7.3	0.7	0.58	0	RC
2	1.35	0.08	0.62	1.35	0.08	53	7.3	0.7	0.57	0	KD
3	1.41	0.08	0.59	1.34	0.07	53	7.3	0.7	0.55	0	KD
4	1.38	0.08	0.50	1.30	0.08	53	7.3	0.7	0.59	0	RC
5	1.34	0.09	0.57	1.31	0.08	52	7.3	0.7	0.60	0	RC
6	1.51	0.08	0.55	1.34	0.09	50	7.4	0.8	0.56	0	KD
7	1.37	0.06	0.57	1.37	0.09	52	7.3	0.7	0.58	0	KD
8	1.47	0.07	0.56	1.31	0.09	52	7.5	0.7	0.63	0	KD
9	1.56	0.08	0.60	1.38	0.08	53	7.4	0.7	0.61	0	RC
10	1.38	0.07	0.49	1.45	0.08	53	7.4	0.7	0.55	0	RC
11	1.39	0.08	0.55	1.31	0.09	53	7.4	0.7	0.59	0	KD
12	1.35	0.08	0.56	1.36	0.08	51	7.4	0.7	0.61	0	KD
13	1.44	0.07	0.56	1.44	0.08	53	7.3	0.7	0.58	0	RC
14	1.38	0.07	0.54	1.38	0.07	53	7.3	0.7	0.53	0	RC
15	1.23	0.08	0.53	1.39	0.07	52	7.3	0.8	0.52	0	RC
16	1.41	0.07	0.50	1.29	0.09	53	7.4	0.8	0.56	0	RC
17	1.36	0.08	0.55	1.33	0.08	53	7.3	0.8	0.57	0	AM
18	1.32	0.07	0.56	1.33	0.07	52	7.4	0.7	0.53	0	RC
19	1.35	0.07	0.51	1.38	0.07	60	7.4	0.7	0.53	0	RC
20	1.39	0.08	0.57	1.34	0.09	51	7.3	0.7	0.56	0	AM
21	1.36	0.09	0.61	1.35	0.09	52	7.3	0.8	0.58	0	AM
22	1.33	0.09	0.60	1.37	0.10	51	7.3	0.8	0.58	0	AM
23	1.41	0.09	0.62	1.42	0.09	50	7.3	0.7	0.59	0	AM
24	1.35	0.10	0.57	1.40	0.09	50	7.2	0.8	0.57	0	AM
25	1.40	0.08	0.56	1.38	0.10	50	7.3	0.7	0.57	0	AM
26	1.45	0.09	0.59	1.44	0.11	50	7.3	0.7	0.58	0	AM
27	1.40	0.10	0.61	1.39	0.09	50	7.3	0.8	0.60	0	AM
28	1.39	0.09	0.60	1.41	0.10	50	7.3	0.8	0.60	0	JS
29	1.38	0.09	0.61	1.42	0.09	50	7.3	0.7	0.58	0	JS
30	1.39	0.10	0.60	1.39	0.10	50	7.3	0.8	0.60	0	AM
31	1.43	0.10	0.61	1.46	0.10	50	7.4	0.8	0.57	0	AM
AVG.	1.39	0.08	0.57	1.37	0.09	52	7.3	0.7	0.57	0	
MAX.	1.56	0.10	0.62	1.46	0.11	60	7.5	0.8	0.63	0	
MIN.	1.23	0.06	0.49	1.29	0.07	50	7.2	0.7	0.52	0	

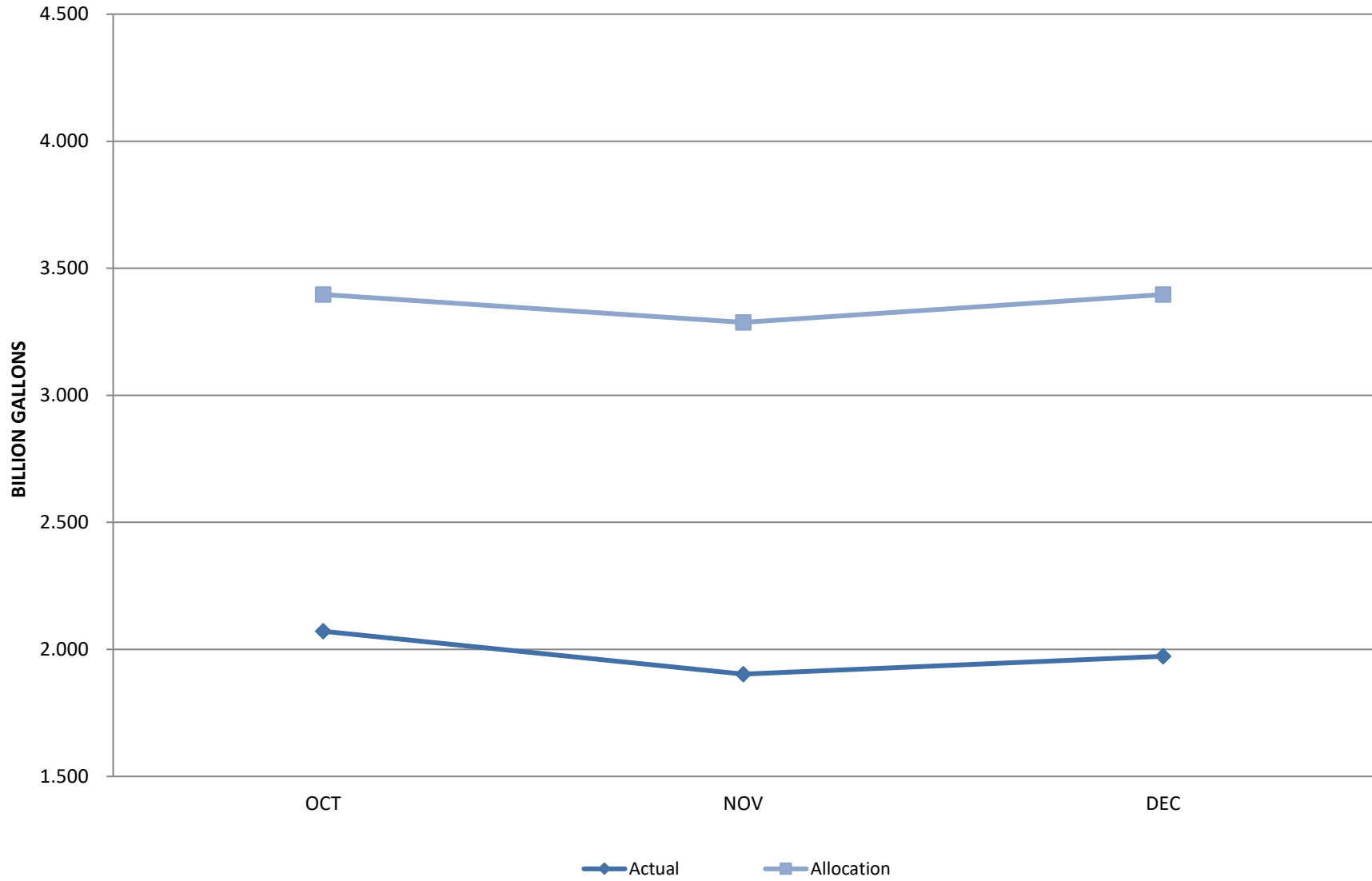


 Mike Weed, Operations supervisor
 Illinois ROINC # 186860234
 Date: 1/5/24

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





MONTHLY STATUS REPORT

LAN PROJECT #: 128-10031-000

PROJECT: DuPage Water Commission WaterLink Extension

REPORT DATE: December 14, 2023

MEETING DATE: December 21, 2023

I. Progress through December 13, 2023

A. Field data collection and Surveying remains ongoing.

1. Initial JULIE tickets complete (41 locations, 300+ utility requests). Additional JULIE tickets have been submitted for revised Segment 3 alignment along IL Route 71.
2. Survey monumentation, survey control, cadastral line development completed at 40 of 40 initial locations. No further field work is being conducted at this time related to these items.
3. Detailed site topographic survey completed at 12 key intersections and ComEd Fox River crossing.
4. Soil borings completed at 12 locations to date, with 16 more scheduled in coming weeks as ComEd access and IDOT permit approvals are secured. Borings at 75th Street and Book Road have been completed.
 - a) Geotechnical borings will be drilled at Fox River Crossing on ComEd property (Scheduled for week of 12/18/23), pending final letter of permission from ComEd. Boring locations and methodology received approval from ComEd Environmental Services Department (ESD).
 - b) Survey crews have collected 'as drilled' locations and elevation data to place on applicable plan/profile sheets.
 - c) Geotechnical boring logs on initial borings have been generated and supplied to Design Team for review.
5. Total of 59 title commitment requests received for ComEd routes as part of preliminary plan and profile drawing submittal. Easement information added to drawings for purposes of refining pipeline alignments.

B. Data collection (as-builts, GIS, design drawings).

1. Initial data collection complete.
2. Utility data requests in progress for revised Segment 3 route along IL Route 71.



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





MONTHLY STATUS REPORT

- C. Evaluation of route alternatives complete. Draft Technical Memorandum summarizing route evaluation and scoring matrix submitted to DWC on 12/04/23.
 - 1. Recommended route is the “ComEd Route”. The recommended alternate route (non-ComEd) is the “Montgomery Road Route” (See attached route maps).
- D. Ongoing Coordination with ComEd.
 - 1. Preliminary plan and profile drawings were submitted to ComEd on 11/01/23 which initiated ComEd Engineering Department review. Review will determine feasibility of utilizing ComEd property for the proposed pipeline alignment.
 - a) Review comments received from Environmental Services (11/29/23), Transmission Engineering (12/06/23) and Distribution Engineering (12/06/23). Comments were primarily design and construction related, but no major comments impacting project feasibility.
 - b) Awaiting comments from remaining ComEd departments.
 - 2. ComED ESD and Real Estate Department approved proposed geotechnical work for Fox River and 95th Street Extended tunnel crossings on 11/30/23, pending submittal of insurance documents from Geotechnical Engineer.

II. Scope Changes (to date)

- A. Extended ComEd route alternate to be included in route evaluation.
 - 1. Additional geotechnical investigation for ComEd extended route across Fox River.
 - 2. Additional survey for ComEd extended route across the Fox River.
 - 3. Titles and plats for all parcels in Extended ComEd Corridor.
- B. Hydraulics workshop added in place of 75th and Book Road connection workshop.
- C. Segment 3 route was changed from Minkler Road to IL Route 71 per DWC based on request from Yorkville (EEI) in order to connect to a lower pressure zone in their system. Cost estimates and preliminary plan and profile drawings will be prepared assuming the IL Route 71 alignment.
- D. Additional hydraulic modeling will be performed per request from Yorkville and Montgomery (EEI) and direction from DWC.
 - 1. Additional modeling scenarios will be added to verify pressure and flow data if the full 2050 average day flow allocation is delivered to a single delivery point (i.e. assuming one tank offline).
 - 2. The hydraulic modeling will confirm this scenario for each WaterLink community.



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MONTHLY STATUS REPORT

III. Financials

- A. Total Phase I Contract: \$4,263,649.00 (plus in-progress field services authorized for ComEd Extended Route)

IV. Completed Workshops, Meetings and Visits (November)

- A. Yorkville Hydraulics Coordination Meeting – November 7, 2023.
- B. Conceptual Pump Station Layout and Site Review Meeting – November 27, 2023
- C. Pipeline Details Review Meeting – November 28, 2023
- D. ComEd Monthly Coordination Meeting – December 6, 2023.
- E. IDOT District 3 Coordination Meeting – December 7, 2023 (Canceled by IDOT, to be rescheduled for January)

V. Upcoming Tasks & Meetings

- A. Further coordination with ComEd.
- B. Geotechnical and CCDD analyses, including geotechnical along ComEd route.
- C. Complete preliminary plan and profile drawings for recommended route alternative.
- D. Submit Opinions of Cost for ComEd Route and Montgomery Route.
- E. Preliminary project review meeting with U.S. Army Corps of Engineers for Fox River crossing discussion.
- F. Draft Project Development Report submittal.
- G. Route alternatives and Fox River crossing workshops.



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MONTHLY STATUS REPORT

LAN PROJECT #: 128-10031-000

PROJECT: DuPage Water Commission WaterLink Extension

REPORT DATE: January 08, 2024

MEETING DATE: January 18, 2024

I. Progress through January 05, 2024

A. Field data collection and Surveying remains ongoing.

1. Initial JULIE tickets complete (55 locations, 300+ utility requests). Additional JULIE tickets have been submitted for revised Segment 3 alignment along IL Route 71.
2. Survey monumentation, survey control, cadastral line development completed at 40 of 40 initial locations. Additional locations (8 total) along ComEd Route to be performed in January.
3. Detailed site topographic survey completed at 14 key intersections and ComEd Fox River crossing.
4. Soil borings completed at 13 locations to date, with 11 more scheduled in coming weeks as ComEd access approvals are secured. Borings at 75th Street and Book Road have been completed.
 - a) Geotechnical borings will be drilled at Fox River Crossing on ComEd property (Scheduled for 01/15/24 through 02/01/24), pending final letter of permission from ComEd. Boring locations and methodology received approval from ComEd Environmental Services Department (ESD).
 - b) Survey crews have collected 'as drilled' locations and elevation data at completed boring locations to place on applicable plan/profile sheets.
 - c) Geotechnical boring logs on initial borings have been generated and supplied to Design Team for review. Available geotechnical data was included in Draft PDR.
5. Total of 59 title commitment requests received for ComEd routes as part of preliminary plan and profile drawing submittal. Easement information added to drawings for purposes of refining pipeline alignments.

B. Data Collection (as-builts, GIS, design drawings).

1. Initial data collection complete.
2. Aerial LiDAR data collection in progress. Scheduled to receive data 01/31/24.
3. Utility data requests in progress for revised Segment 3 route along IL Route 71.
 - a) Approximately 50% of data requests received as of 01/05/24.



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MONTHLY STATUS REPORT

- C. Draft Project Development Report (PDR) submitted to DWC on 01/01/24 for review. Any DWC comments will be addressed and copy of revised PDR will be forwarded to WaterLink communities for review.
 - 1. PDR includes copies of all studies completed during Phase I, as well as route recommendations, hydraulic modeling results, preliminary pipeline plan and profile drawings, and opinions of cost.
- D. Draft Technical Memorandum for PDR Opinion of Probable Construction Cost (OPCC) submitted to DWC on 01/01/24 for review.
 - 1. Tech memo provides comparison of PDR OPCC to the 2021 OPCC developed for the WaterLink communities as part of their Alternative Water Source Study. The tech memo includes information on methodology and assumptions used in development of OPCC.
- E. Ongoing Coordination with ComEd.
 - 1. Preliminary plan and profile drawings were submitted to ComEd on 11/01/23 which initiated ComEd Engineering Department review. Review will determine feasibility of utilizing ComEd property for the proposed pipeline alignment.
 - a) Review comments received from Environmental Services (11/29/23), Transmission Engineering (12/06/23) and Distribution Engineering (12/06/23). Comments were primarily design and construction related, but no major comments impacting project feasibility.
 - b) Awaiting comments from remaining ComEd departments (Transmission Planning, Capacity Planning, and Substation).
 - 2. ComEd ESD and Real Estate Department approved proposed geotechnical work for Fox River and 95th Street Extended tunnel crossings on 11/30/23.
 - a) Additional geotechnical boring comments received from ComEd Transmission Line Engineering on 12/27/23.
 - b) Coordination meeting held on 12/28/23 for clarifications and discussion of comments.
 - c) Two proposed geotechnical boring locations revised per comments and sent to ComEd on 12/28/23.
 - d) Geotechnical work scheduled to begin during week of 01/15/24.

II. Scope Changes (to date)

- A. Extended ComEd route alternate to be included in route evaluation.
 - 1. Additional geotechnical investigation for ComEd extended route across Fox River.
 - 2. Additional survey for ComEd extended route across the Fox River.
 - 3. Titles and plats for all parcels in Extended ComEd Corridor.
- B. Hydraulics workshop added in place of 75th and Book Road connection workshop.



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MONTHLY STATUS REPORT

- C. Segment 3 route was changed from Minkler Road to IL Route 71 per DWC based on request from Yorkville (EEI) in order to connect to a lower pressure zone in their system. Cost estimates and preliminary plan and profile drawings were prepared assuming the IL Route 71 alignment.
- D. Additional hydraulic modeling was performed per request from Yorkville and Montgomery (EEI) and direction from DWC.
 - 1. Additional modeling scenarios verified pressure and flow data if the full 2050 average day flow allocation is delivered to a single delivery point (i.e., assuming one tank offline).
 - 2. The hydraulic modeling confirmed this scenario for each WaterLink community.

III. Financials

- A. Total Phase I Contract: \$4,263,649.00 (plus in-progress field services authorized for ComEd Extended Route)
- B. Fee Expended through December 31, 2023:
 - 1. Total: \$2,881,076 (67.6%)
 - a) Basic Services: \$1,699,439 (39.9%)
 - b) Additional Services: \$1,181,637 (27.7%)

IV. Completed Workshops, Meetings and Visits (December)

- A. ComEd Monthly Coordination Meeting – December 6, 2023.
- B. WIFIA Check-in Coordination Meeting (w/Stantec, WaterLink, and WIFIA) – December 11, 2023.
- C. Kendall County Highway Department Township Highway Commissioners Meeting – December 15, 2023.
- D. Opinion of Probable Construction Cost (OPCC) Cost Review Meeting – December 20, 2023.
- E. ComEd Geotechnical Coordination Meeting – December 28, 2023.
- F. ComEd Monthly Coordination Meeting – January 3, 2024.

V. Upcoming Tasks & Meetings

- A. Further coordination with ComEd.
- B. Geotechnical borings at Fox River and 95th Street along ComEd route.
- C. IDOT District 3 Coordination Meeting for crossings and IL Route 71 segment – January 23, 2024.
- D. Preliminary project review meeting with U.S. Army Corps of Engineers for Fox River crossing discussion.
- E. Route alternatives and Fox River crossing workshops.

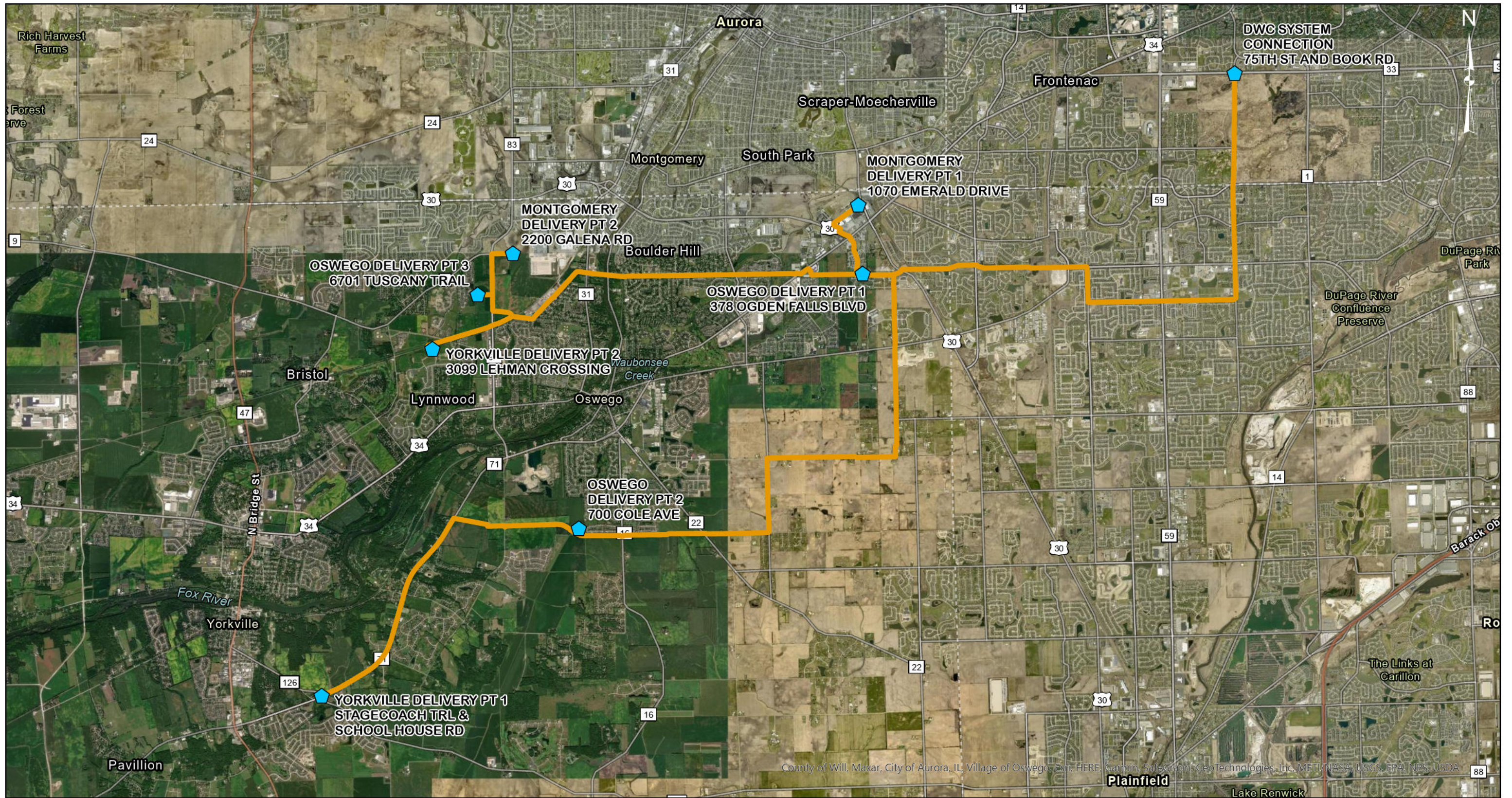




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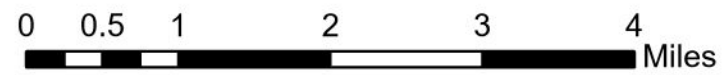


Cash Flow/Invoicing Forecast - Phase I Services
DuPage Water Commission
WaterLink Extension
January 2024

Description	Activity through June 30, 2023	Activity through July 31, 2023	Activity through September 01, 2023	Activity through September 29, 2023	Activity through October 31, 2023	Activity through November 30, 2023	Activity through December 31, 2023	Planned	Planned
	July 2023	August 2023	September 2023	October 2023	November 2023	December 2023	January 2024	February 2024	March 2024
Basic Services	\$ 95,434	\$ 160,905	\$ 251,845	\$ 196,686	\$ 302,911	\$ 310,567	\$ 381,091	\$ 512,500	\$ 101,756
Additional Services	\$ 67,212.00	\$ 361,804	\$ 403,110	\$ 100,162	\$ 97,700	\$ 49,146	\$ 102,503	\$ 298,858	\$ 469,459
MONTHLY TOTALS	\$ 162,646	\$ 522,709	\$ 654,956	\$ 296,848	\$ 400,611	\$ 359,713	\$ 483,593	\$ 811,357	\$ 571,215
TOTAL PHASE I FEE								\$	4,263,649



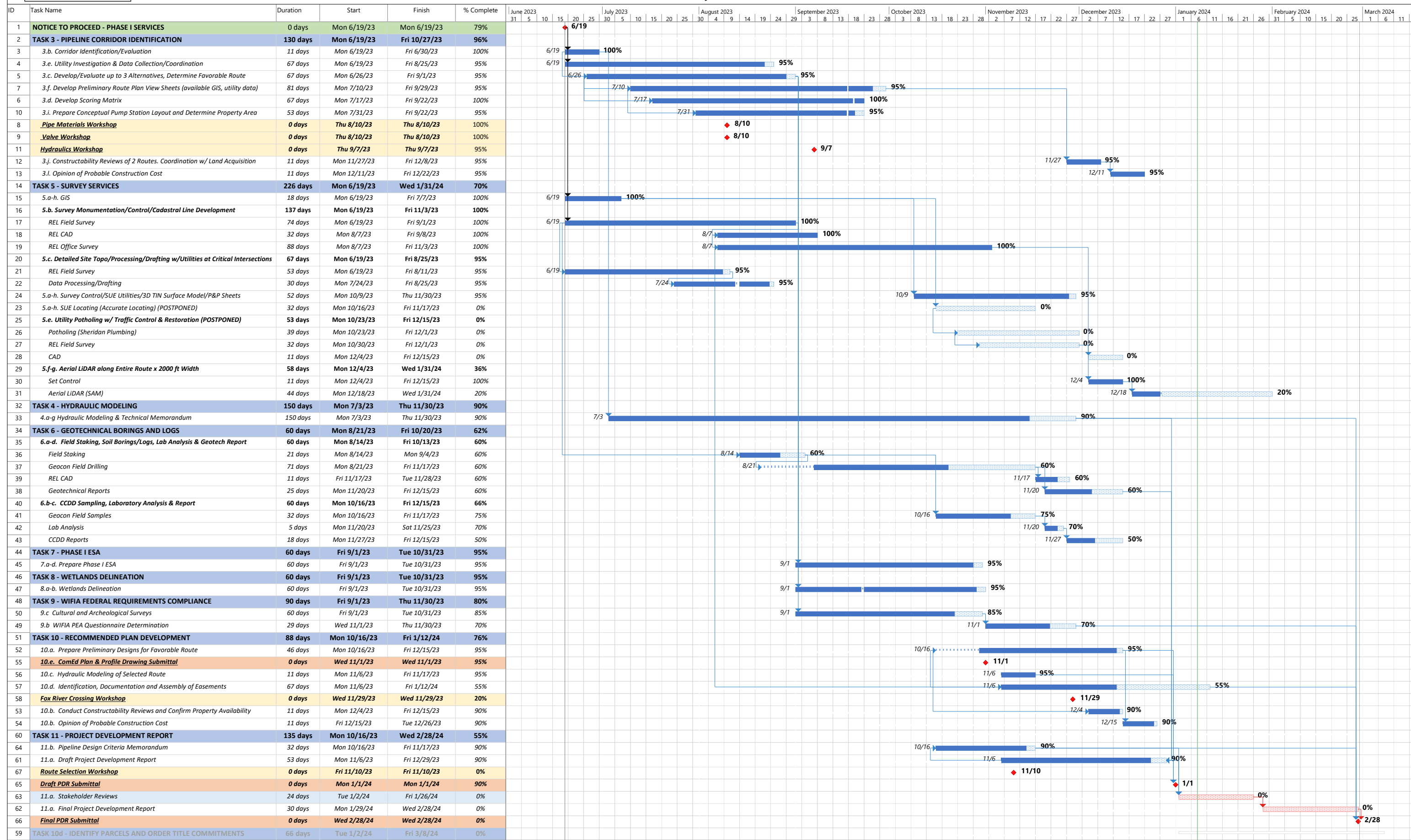
-  SYSTEM CONNECTION POINT
-  COMED ROUTE



COMED ROUTE ALTERNATIVE OVERALL VIEW

DUPAGE WATER COMMISSION WATERLINK EXTENSION	12/14/2023	FIG. 1
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DuPage Water Commission
WaterLink Extension
Phase I Project Schedule



Critical Critical Progress Task Task Progress Milestone



MEMORANDUM

To: Engineering and Construction Committee

From: Jeff Loster, P.E., Engineering Manager

Date: 1/11/2024

Subject: WaterLink Project Report – Phase 1 Engineering Update

The WaterLink Project consists of the expansion of the DuPage Water Commission (Commission) distribution network to deliver water to the communities of Montgomery, Oswego and Yorkville (WaterLink Communities). A Task Order with LAN and Associates (LAN) was approved by the Board in July, 2023, to complete Phase 1 Engineering tasks associated with this work. As we near the completion of the Phase 1 Engineering effort, Staff would like to provide a more detailed update on the project, especially as it relates to project costs and next steps.

The LAN team has recently completed a preliminary draft of the Project Development Report (PDR), which provides a summary of all Phase 1 Engineering efforts and details additional project components such as optimal pipe alignment, estimated cost and schedule. Once reviewed by staff and finalized, the full PDR will be made available for review by the Engineering and Construction Committee under separate cover, likely at the February Board Meeting. However, the information pertaining to project costs has been attached for discussion purposes.

The project costs were based on the optimal pipeline routing identified in Phase 1, in which a significant portion is located within a ComEd right-of-way and/or easement. This route was one of three reviewed, however, based on the cost savings associated with construction restoration and the ability to substantially minimize adverse impacts to the traveling public, the ComEd right-of-way route was selected.

There are two main components shown in the attached Cost Estimate. The first includes those costs associated with the “Baseline Pipe Size” (far-right column) which accounts for the minimum level of infrastructure needed to supply water to the WaterLink Communities, based on the hydraulic analysis performed – essentially a 48” trunkline main. The column *next* to the “Baseline Pipe Size” shows the cost of the project that is associated with increasing the diameter of the trunkline to 54” in diameter, up from 48”. During Phase 1 Engineering, the concept of increasing the size of the trunkline to the west side of the Fox River was explored. The WaterLink Project provides an opportunity to increase the Commission’s ability to serve additional/future customers while realizing substantial cost savings by incorporating the necessary infrastructure into the overall WaterLink Project. By increasing the trunkline to 54” in diameter, the Commission will have created additional capacity to serve new customers west of the river, should the opportunity become available. The WaterLink Communities will be responsible for all costs associated with



the “Baseline Pipe Size” estimate and the Commission will be responsible for the cost differential between the two estimates – currently estimated at \$36,216,000.

At this time, the progress of the WaterLink Project is on schedule as it relates to Commission-driven tasks. It is, however, anticipated that there may be a slight delay over the coming months as the WaterLink Communities pursue their anticipated funding sources for the work based on the recently finalized cost estimate. While construction funding is being secured, it is the intention of the Commission to proceed with Phase 2 Engineering, which will be funded by the WaterLink Communities via an escrow account, similar to how the Phase 1 Engineering work was funded. The major components of Phase 2 Engineering will include detailed engineering design, permit application/approval and easement acquisition. This phase is anticipated to take approximately 12 months, though some easement acquisition efforts may take longer. With the LAN team having performed extremely well during the Phase 1 Engineering work and having compiled an immense amount of knowledge specific to this project, it is the recommendation of Commission Staff that a proposal be solicited from the same team for Phase 2 Engineering work. A Task Order would then be brought before the Board at a future date for review and approval before proceeding with Phase 2 Engineering efforts.

If there is a general consensus from the Engineering and Construction Committee regarding the approach outlined in this memorandum, Commission Staff will proceed accordingly and account for associated costs within the Five-Year Capital Improvement Plan.

Attachments: Appendix C: “ComEd” Baseline Route, Waterlink Extension 2023 OPCC

Appendix C: "ComEd" Baseline Route, Waterlink Extension 2023 OPCC

 					
DRAFT DuPage Water Commission WaterLink Extension Preliminary Opinion of Probable Construction Cost - ComEd Extended Route January 2024					
Description	Unit	Quantity	Unit Price	54" Upsize	Baseline Pipe Size
Water Transmission Main Installation	LS	1	\$ 168,311,827	\$ 168,311,827	\$ 143,665,949
			Construction Sub-Total	\$ 168,311,827	\$ 143,665,949
			25% Contingency	\$ 42,078,000	\$ 35,917,000
			Construction Total	\$ 210,389,827	\$ 179,582,949
			Property Acquisition	\$ 6,477,530	\$ 6,197,690
			Estimated ComEd Easement Fee	\$ 11,000,000	\$ 11,000,000
			Legal & Administrative	\$ 1,000,000	\$ 1,000,000
			7% Basic Engineering	\$ 14,728,000	\$ 12,571,000
			Additional Services (land acquisition, geotechnical, survey, SUE, CP, wetlands, environmental, phase 1 archeology and cultural)	\$ 8,000,000	\$ 8,000,000
			CE Services (CM, construction observation, construction administration - shop drawings, construction meetings, pay requests, RFIs change orders, record drawings)	\$ 19,000,000	\$ 19,000,000
			Commissioning	\$ 1,000,000	\$ 1,000,000
			December 2023 Budget Total	\$ 270,595,357	\$ 237,351,639
			Current ENR Inflation Rate	3.70%	3.70%
			Estimated Phase II Start Date	1-Jan-24	1-Jan-24
			Assumed Bidding Date	1-Mar-25	1-Mar-25
			Assumed Construction Completion Date	1-Sep-27	1-Sep-27
			Design Duration (Months)	14	14
			Construction Duration (Months)	30	30
			Cost Escalation	\$ 24,196,000	\$ 21,224,000
			Recommended Project Budget	\$ 294,792,000	\$ 258,576,000

Notes:

- 1) OPCC based on conceptual drawings included with PDR.
- 2) Escalation is included to mid-point from Project Bid to Contract Completion.
- 3) Does not include permit fees.
- 4) Prices reflect historical market trends and conditions.
- 5) Unique market situations and world events can substantially affect costs.
- 6) This OPCC is an AACE Class 3 generated December 2023.
- 7) General conditions, mob/demob and OH&P are included in unit prices.
- 8) Project cost does not include WaterLink buy-in costs.
- 9) Project cost does not include pricing for pressure reducing stations.



Resolution #: R-1-24

Account: 01-60-662100

Approvals: *Author / Manager / Finance / Admin*

MW RCB CAP PDM

REQUEST FOR BOARD ACTION

Date: 1/11/2024

Description: **A Resolution Approving a 12-Month Contract Extension for Heavy Machinery and Equipment Rigging, Transportation, and Installation Service to Mecon Industries Inc.**

Agenda Section: Engineering & Construction

Originating Department: Operations & Instrumentation

In accordance with R-29-18, and extended by R-53-22, the Commission awarded a Contract for Heavy Machinery and Equipment Rigging, Transportation, and Installation Service to Mecon Industries Inc. This contract includes unit prices for labor services to be used on an as-needed basis for most heavy machinery and equipment rigging, transportation, and installation service for the Commission's larger pumps, motors, valves, and other water system equipment through the issuance of Purchase Orders.

The current contract expired on October 20, 2023. Staff believes that it is in the Commission's best interest to renew the contract for an additional period of 12-Months commencing on October 20, 2023, and ending on October 20, 2024, to allow sufficient time to complete a minimum of one High-Lift Pump and motor rehabilitation. Mecon has performed well throughout the duration of the contract. Both Mecon and Commission's Legal Counsel have vetted and agreed to the proposed renewal of the term of the contract under the existing terms and conditions.

There is no cost associated with this request and all other terms and conditions of the Contract shall remain unchanged.

Recommended Motion:

To adopt Resolution R-1-24 for the 12-Month Contract Extension for Heavy Machinery and Equipment Rigging, Transportation, and Installation Service to Mecon Industries Inc.

DUPAGE WATER COMMISSION

RESOLUTION NO. R-1-24

A RESOLUTION APPROVING A 12-MONTH CONTRACT EXTENSION FOR
HEAVY MACHINERY AND EQUIPMENT RIGGING, TRANSPORTATION, AND INSTALLATION SERVICE

WHEREAS, pursuant to Resolution No. R-29-18 the DuPage Water Commission (the “Commission”) awarded a 36-Month Heavy Machinery and Equipment Rigging, Transportation, and Installation Service Contract to Mecon Industries Inc.; and

WHEREAS, In accordance with R-53-22, the Commission approved a 12-Month Contract Time Extension; and

WHEREAS, the term of the Contract expired on October 20, 2023; and

WHEREAS, the Commission has determined that it is in the best interest of the Commission to renew the Contract with Mecon Industries Inc. for a period of 12-Months ending on October 20, 2024.

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the DuPage Water Commission, based upon the representations of Staff and Legal Counsel as follows:

SECTION ONE: The foregoing recitals are hereby incorporated herein as findings of the DuPage Water Commission.

SECTION TWO: The DuPage Water Commission hereby approves the Heavy Machinery and Equipment Rigging, Transportation, and Installation Service Contract with Mecon Industries Inc. to a 12-Month contract renewal as executed by Mecon Industries, Inc. and attached hereto and incorporated herein as Exhibit A, and the General Manager shall be and hereby is authorized to execute said extension on behalf of the Commission.

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.				
Romano, K.				
Rush, K.				
Russo, D.				
Saverino, F.				
Suess, P.				
Van Vooren, D.				
Zay, J.				

ADOPTED THIS _____ DAY OF _____, 2024.

James F. Zay, Chairman

ATTEST:

Danna Mundall, Clerk
Board/Resolutions/2024/R-1-24

EXHIBIT 1



November 29, 2023

**Mr. Joe Kozacek
Mecon Industries Inc.
2703 Bernice Road
Lansing, IL 60438**

Subject: 12-Month Contract Extension

Dear Mr. Kozacek,

The DuPage Water Commission "Commission" entered into an agreement with Mecon Industries Inc. on October 19, 2018, for Heavy Machinery and Equipment Rigging, Transportation, and Installation Service for work related to the Commission's Waterworks System as needed through the issuance of Purchase Orders. The Commission entered a 12-month contract extension with Mecon Industries Inc. on October 20, 2022 and ending on October 20, 2023.

The Commission has been satisfied with the work of Mecon Industries Inc. and therefore wishes to extend the contract term limits for a period of 12 months commencing on October 20, 2023 and ending on October 20, 2024. It is understood that all other terms and conditions of the Heavy Machinery and Equipment Rigging, Transportation, and Installation Service Contract shall remain unchanged during this time.

Should Mecon Industries Inc. agree to this contract time extension as presented here, please sign, date, and return the attached document to the Commission.

Sincerely,

**Mike Weed
Operations Supervisor
DuPage Water Commission**

cc: R-1-24



The DuPage Water Commission and Mecon Industries Inc. do hereby agree to extend the Contract term limit of the 36-Month Heavy Machinery and Equipment Rigging, Transportation and Installation Service Contract initially dated and executed on October 19, 2018, as previously extended on October 22, 2022 for an additional 12-month period, and one additional extension of another 12-month period commencing on October 20, 2023 and ending on October 21, 2024 following the terms and conditions as set forth in the October 19, 2018 Contract Agreement.

MECCON INDUSTRIES, INC.

DUPAGE WATER COMMISSION

By: 

By: _____

Signature of Authorized Representative

Paul D. May, P.E.

Its: Vice President
Title of Authorized Representative

Its: General Manager

Date: 12/15/23

Date: _____

cc: R-1-24



Resolution #: R-2-24

Account: 01-60-771000 \$375,000

Approvals: *Author / Manager / Finance / Admin*

MW RCB CAP PDM

REQUEST FOR BOARD ACTION

Date: 1/11/2024

Description: **A Resolution Suspending Purchasing Procedures and Authorizing the General Manager to Purchase a Pump Control Valve and Procure Repair Services from Sole Source Providers**

Agenda Section: Engineering & Construction

Originating Department: Operations & Instrumentation

At the time of initial construction in 1990, each of the nine DuPage Pump Station (DPPS) High-Lift Pumps (HLP) were equipped with an identical 30-inch Allis-Chalmers hydraulically-operated Cone Valve to develop and regulate necessary pumping discharge head pressure when initiating operator start-up command to a HLP.

One of the HLP cone valves is malfunctioning and it requires offsite disassembly to perform repair service. The estimated duration of the repair is twelve (12) weeks at an estimated cost of \$150,000. A/C Service and Repair (the Cone Valve Service Company established in 1990 by former Allis-Chalmers employees) specializes in the repair & refurbishment, field service, and replacement of Allis-Chalmers Cone Valves. A/C Service and Repair is the sole authorized sales and service vendor for all Allis-Chalmers Cone Valve products.

Each of the nine identical cone valves are now nearly 35 years old. Therefore, staff feels the best way to minimize future HLP downtime is to purchase one new cone valve for inventory that can be immediately installed when future cone valve repairs are necessary. The inventory valve would then be installed when the damaged valve is removed, and the repaired valve would be placed in inventory when repairs are complete. The lead time on a new cone valve is approximately seven (7) months at an estimated cost of \$225,000. Since Allis-Chalmers ceased valve operation in 1999, American Cone Valve has is the sole authorized vendor for replacement Allis-Chalmers Cone Valves.

In summary, staff is recommending approval of Resolution No. R-2-24 to suspend purchasing procedures and authorize the General Manager to purchase one (1) new cone valve from sole source American Cone Valve at an estimated cost of \$225,000 and to authorize repair service for one (1) damaged cone valve from sole source A/C Service and Repair at an estimated cost of \$150,000.

Recommended Motion: To approve Resolution No. R-2-24

DuPAGE WATER COMMISSION

RESOLUTION NO. R-2-24

A RESOLUTION SUSPENDING PURCHASING PROCEDURES AND AUTHORIZING THE GENERAL MANAGER TO PURCHASE A PUMP CONTROL VALVE AND PROCURE REPAIR SERVICES FOR A MALFUNCTIONING PUMP CONTROL VALVE FROM SOLE SOURCE PROVIDERS

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, American Cone Valve is the Sole Source Provider of the Existing Hydraulically Activated High-Lift Pump Control Valves at the DuPage Pumping Station; and

WHEREAS, the Commission desires to purchase a new Hydraulically Activated High-Lift Pump Control Valve to match the Existing High-Lift Pumping System from American Cone Valve; and

WHEREAS, A/C Service and Repair is the Sole Source Service Provider for the Existing Hydraulically Activated High-Lift Pump Control Valves at the DuPage Pumping Station; and

WHEREAS the Commission desires to purchase Repair and Refurbishment Services for the Existing Hydraulically Activated High-Lift Pump Control Valves from A/C Service and Repair; and

WHEREAS, the Board of Commissioners of the DuPage Water Commission, based upon representations made by Staff, believes it is in the best interest of the Commission to suspend purchasing procedures and authorize the General Manager to purchase Hydraulically Activated High-Lift Pump Control Valves and Hydraulically Activated High-Lift Pump Control Valve Repair and Refurbishment Services from American Cone Valve and A/C Service and Repair, respectively;

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: That the purchasing procedures contained in Article VIII of the Commission By-Laws are hereby suspended as provided by Article XII, Section 3 of the Commission By-Laws, and that the General Manager is hereby granted the authority to purchase Hydraulically Activated High-Lift Pump Control Valves and Hydraulically Activated High-Lift Pump Control Valve Repair and Refurbishment Services from American Cone Valve and A/C Service and Repair.

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.				
Romano, K.				
Rush, K.				
Russo, D.				
Saverino, F.				
Suess, P.				
Van Vooren, D.				
Zay, J.				

ADOPTED THIS ___ DAY OF _____, 2024.

James F. Zay, Chairman

ATTEST:

Danna Mundall, Clerk

Board/Resolutions/2024/R-2-24docx



Date: 6/22/2023

To: DuPage Water Commission

Subject: Sole Source Letter

To whom it may concern:

American Cone Valve, Inc. is the sole manufacturer of its Cone Valves and we do not have representation in the State of Illinois. Please contact the factory at (717)792-3492 or email Justin Ross at justinross@acservicerepair.com for all inquiries.

Your contact for American Cone Valve, Inc. is:

Name: Justin Ross

Address: 5166 Commerce Drive York, PA 17408

Phone: (717)792-3492 office (717)515-2984 cell

Email: justinross@acservicerepair.com

Sincerely,

A grey rectangular box redacting the signature of Justin Ross.

Justin Ross

President

American Cone Valve Inc.

A/C Service and Repair, Inc

QUOTATION

A/C Service and Repair, Inc.
 5166 Commerce Drive York, PA 17408
 Ph.(717) 792-3492 Fax.(717) 792-5283

Company: DuPage Water Commission

Attention: Jason Unger

Date	6/22/23
Payment	Net 30 days
Taxes	None
FOB Point	destination

Qty	Unit	A/C Part#	Description	Price Each	\$ Amount
1	ea		Rebuild 30"-125 AC Valve Rotovalve per attached specification	108000.00	108,000.00
1	ea		Additional cost if cylinder needs replaced	8500.00	8,500.00
1	ea		inbound/outbound shipping	6000.00	6,000.00

Delivery Date: <u>approximately 12 weeks</u>		122,500.00
Ship Via: <u>TBD</u>	other	
For A/C Shop Order: _____	shipping	see above
	Total	

Prepared by: Justin Ross justinross@acservicerepair.com

CONE VALVE REHABILITATION

GENERAL

This specification covers the complete rehabilitation of Cone Valves to like new condition. Once complete the rehabilitated cone valve will carry a warranty (One (1) year from installation or 18 months from shipment) for all parts and workmanship completed during the rehabilitation process. The Cone Valve will be rehabilitated by A/C Service & Repair, Inc. of York, Pa.

VALVE REHABILITATION

Disassembly - The valve, operating mechanism, and actuator shall be totally disassembled making sure to match mark all appropriate components to assure that the valve is returned in the same configuration as received.

Clean & Blast - All non-ferrous operating mechanism parts will be solvent cleaned. All castings will be blast to near white metal conditions.

Inspection - All parts will be visually inspected for defects, cracks, excessive wear, and other damage.

Mechanism Parts – Replace or repair all internal mechanism parts

Valve Proper - Monel seating surfaces on the body and plug will be replaced and machined to new valve condition. Bronze body, plug, and head bushings will be replaced and permanently secured. Valve stem packing, o-ring, and all body pipe plugs will be replaced. Excessive casting pitting and corrosion will be repaired with Belzona 1111.

Hydraulic Cylinder – Disassemble, blast exterior, hone barrel, replace piston rod, seal cartridge, all seals, assemble, and test.

Painting - All interior wetted non-ferrous surfaces of the valve will be given two (2) coats of NSF61 approved epoxy suitable for potable water. Interior mechanism parts will be coated with an epoxy paint. All exterior unmachined surfaces will be coated with an epoxy paint.

Re-assembly & Testing - The complete valve, mechanism, and electric actuator shall be assembled to the original configuration.

With the cylinder installed, the valve will be hydrostatically tested for 10 minutes at 1.5 times the pressure to confirm there is no external leakage or weeping of the body and head castings.

The completed assembly will be leak tested for 5 minutes at the rated working pressure to assure valve stem packing is leak tight and seat leakage is acceptable. Acceptable seat leakage will be .4 oz/min of nominal inch of waterway.

The valve will be operated a minimum of 3 strokes (open to close and close to open) to assure smooth operation.

QUOTATION

A/C Service and Repair, Inc.
5166 Commerce Drive York, PA 17408
Ph.(717) 792-3492 Fax.(717) 792-5283

Company: DuPage Water Commission

Date	6/22/23
Payment	Net 30 days
Taxes	None
FOB Point	destination

Attention: Jason Unger

Qty	Unit	A/C Part#	Description	Price Each	\$ Amount
1	ea		<p>30"-125 American Cone Valve CV-010 Mechanism with Hydraulic Cylinder Standard open, closed, and pump shutdown limit switches</p> <p>Hydraulic control panel is not included and it is assumed that the existing Parco Control Panel and accumulator are going to be re-used.</p> <p>This is a direct replacement for the existing 30" AC Valve Rotovalves and will bolt in line without modifications to the piping or support pad. The existing hydraulic lines that connect to the upper and lower cylinder heads may need a slight modification and the new limit switches will need to be wired.</p>	195200.00	195,200.00

Delivery Date:	Approximately 7 months			195,200.00
Ship Via:	TBD		other	
For A/C Shop Order:			shipping	included
			Total	\$195,200.00

Prepared by: Justin Ross justinross@acservicerepair.com



Resolution #: R-4-24

Account: 01-60-628000 NTE \$22,947

Approvals: *Author / Manager / Finance / Admin*

RCB RCB CAP PDM

REQUEST FOR BOARD ACTION

Date: 1/11/2024

Description: **A Resolution Approving and Authorizing the Execution of an Amendment of Task Order No. 01 with Burns & McDonnell Engineering Co., Inc.**

Agenda Section: Engineering & Construction

Originating Department: Operations & Instrumentation

On October 20, 2022, the Commission adopted Resolution No. R-64-22, Task Order No. 01 with Burns and McDonnell Engineering Co., Inc., to review and validate the DuPage Water Commission Meter Testing Program to support commission customer's LMO-2 IDNR submittals, and to provide quality assurance with industry standards. The purpose of the Task Order was two-fold; first to provide the Commission with third-party confirmation and validation that our meter testing facilities, meter testing procedures, and reporting is accurate and complies with industry best practices; and secondly to provide the DWC customers with an engineering certification to support their water systems accountability submittals when filing their annual LMO-2 audits with the Illinois Department of Natural Resources.

Having completed the tasks listed above, staff is proposing that Burns and McDonnell to prepare and deliver a summary report/presentation and guidance materials including a technical guide, checklist(s) for completing the LMO-2 form(s), and other supporting documents to support the annual submittals to the IDNR.

The cost for these additional services would raise the limit of the Task order from \$17,500 to \$22,947, an increase of \$5,447.

Recommended Motion:

To approve Resolution R-4-24 for the 1st Amendment to Task Order No. 01

RESOLUTION NO. R-4-24

**A RESOLUTION APPROVING A FIRST AMENDMENT TO TASK ORDER NO. 01
UNDER A MASTER CONTRACT WITH BURNS AND McDONNELL ENGINEERING CO., INC.**

WHEREAS, the DuPage Water Commission (the “Commission”) entered into a contract with Burns and McDonnell Engineering Co., 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-64-22, the Commission approved Task Order No. 01 to the Master Contract for Professional Engineering Services for the DuPage Water Commission; and

WHEREAS, the Commission and Consultant desire to further amend Task Order No. 01 to the Master Contract to add services to the scope and to increase the not-to-exceed of the services by \$5,447, 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. 01 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. 01 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 hereby 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. 01 attached hereto as Exhibit 1 shall be and hereby is approved.

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.				
Romano, K.				
Rush, K.				
Russo, D.				
Saverino, F.				
Suess, P.				
Van Vooren, D.				
Zay, J.				

ADOPTED THIS ___ DAY OF _____, 2024.

James F. Zay, Chairman

ATTEST:

Danna Mundall, Clerk

Board/Resolutions/2024/R-4-24.docx

EXHIBIT 1

**FIRST AMENDMENT TO
TASK ORDER NO. 01**

In accordance with Section 1.1 of the Master Contract between the DuPage Water Commission (“Owner”) and Burns & McDonnell Engineering, Co., Inc. (“Consultant”), for Professional Engineering Services dated October 20, 2022 (the “Contract”), Owner and Consultant agree to amend, effective January 19, 2024, Task Order No. 1 as follows:

1. Services of Consultant

Section 2, entitled “Services of Consultant” of Task Order No. 1 shall be amended to add the following Services:

“2. Services of Consultant:

Task 5 – Presentation and Demonstration of LMO-2 Forms, Supporting Documents and Methodology for Commission Contract Customers:

The task will consist of the development of a PowerPoint presentation and guidance materials for eventual delivery to Commission Contract Customers at a regularly scheduled Operations Round Table. The presentation shall include the technical guide, a checklist(s) for completing the LMO-2 Form, and other supporting documents for the Customer’s submittal to IDNR. Upon completion of the presentation, Consultant Staff will attend the Operations Round Table, perform the presentation and provide Q&A support for the Commission Customers.

2. Completion Date

Section 4, entitled “Completion Date” of Task Order No. 1 shall be amended to the following date:

“4. Completion Date:

January 30, 2024”

3. Contract Price:

Section 8 entitled “Contract Price” of Task Order No. 01 shall be amended to the following:

“8. Contract Price:

For providing, performing, and completing all Services, an amount equal to Consultant's Direct Labor Costs for all Services rendered by principals and employees engaged directly on the Project, plus an amount equal to the actual costs of all Reimbursable Expenses.

Notwithstanding the foregoing, the total Contract Price shall be modified from \$17,500.00 to \$22,947.00. The contract price maybe adjusted by a Change Order issued pursuant to Section 2.1 of the Contract.”

In all other respects, Task Order No. 1 to the Contract shall remain in full force and effect, and Task Order No. 1 to the Contract shall be binding on both parties as hereinabove amended.

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: _____

Randall Patchett, P.E.

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

Name: Randall Patchett, P.E.

Title: Project Manager

Address: 1431 Opus Place, Suite 400, Downers Grove, IL 60515

E-mail Address: rpatchett@burnsmcd.com

Phone: (630) 688-0124



Resolution #: R-5-24

Account: 01-60-662100 & 01-60-656000

Approvals: *Author / Manager / Finance / Admin*

MW RCB CAP PDM

REQUEST FOR BOARD ACTION

Date: 1/11/2024

Description: **A Resolution Suspending Purchasing Procedures and Authorizing the General Manager to Purchase Replacement Mechanical Seals, Associated Parts, and Labor Service for the Commission's Large Service Pumps, at a Cost Not to Exceed \$180,000.00 from Superior Industrial Equipment.**

Agenda Section: Engineering & Construction

Originating Department: Operations & Instrumentation

Resolution No. R-5-24 would suspend purchasing procedures and authorize the General Manager to purchase Flowserve mechanical seals, spare parts, and labor service for the Commission's High Lift Pumps (HLP) at a cost not to exceed \$180,000 from Superior Industrial Equipment. Superior Industrial Equipment is Flowserve's sole Authorized Mechanical Seal Distributor and Repair Center for Flowserve's Flow Solutions Division in the Chicago Metropolitan area.

The Commission has a total of 9 HLPs, each pump with two mechanical seals installed on the inboard and outboard ends of a pump operating shafts. The existing mechanical seals on two of the 9 HLPs have exceeded their life cycle and future replacement parts, and support service have been phased out. A total of four mechanical seals are proposed for purchase and installation as well as the purchase of six mechanical seal rebuild kits proposed for placement into inventory as critical spare parts.

Superior Industrial Equipment provides factory-trained technicians and support services associated with Flowserve's Flow Solution products. Superior Industrial Equipment has provided the existing mechanical seals and service since 2010 and has performed satisfactorily.

Superior Industrial Equipment is also currently under contract with the Commission to provide HLP remediation services and related parts and will be called upon to perform services on HLP-9.

Recommended Motion: To adopt Resolution R-5-24

DuPAGE WATER COMMISSION

RESOLUTION NO. R-5-24

**A RESOLUTION TO SUSPEND PURCHASING PROCEDURES AND AUTHORIZE THE GENERAL
MANAGER TO PURCHASE MECHANICAL SEALS, SPARE PARTS, AND LABOR SERVICE FOR THE
COMMISSION'S HIGH LIFT PUMPS**

WHEREAS, the DuPage Water Commission's Pumping System includes nine High Lift Pumps (HLP) and each HLP has two mechanical seals installed on each end of the pump shafts; and

WHEREAS, the existing Flowserve Mechanical Seals on certain High Lift Pumps have exceeded their useful life and require replacement; and

WHEREAS, Staff proposes additional Mechanical Seal Rebuild Kits to be purchased and placed in inventory as critical spares; and

WHEREAS, Superior Industrial Equipment is Flowserve's Sole Authorized Mechanical Seal Distributor and Repair Center for the Chicago Metropolitan Area; and

WHEREAS, Superior Industrial Equipment provides factory-trained technicians and support services associated with Flowserve's Flow Solution products; and

WHEREAS, the Board of Commissioners of the DuPage Water Commission believes, based upon the representations of Staff, that it is in the best interest of the Commission to Suspend Purchasing Procedures and authorize the General Manager to purchase replacement mechanical seals, spare parts, and labor services for the Commission's High Lift Pumps at a cost not to exceed \$180,000.00 from the sole source provider Superior Industrial Equipment;

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 as if fully set forth.

SECTION TWO: That the purchasing procedures contained in Article VIII of the Commission By-Laws are hereby suspended as provided by Article XII, Section 3 of the Commission By-Laws, and that the General Manager is hereby granted the authority to purchase mechanical seals, spare parts, and labor service for the Commission's High Lift Pumps at a cost not to exceed \$180,000 from Superior Industrial Equipment without further act.

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.				
Romano, K.				
Rush, K.				
Russo, D.				
Saverino, F.				
Suess, P.				
Van Vooren, D.				
Zay, J.				

ADOPTED THIS ___ DAY OF _____, 2024.

James F. Zay, Chairman

ATTEST:

Danna Mundall, Clerk

Board/Resolutions/2024/R-5-24.docx

EXHIBIT 1



AUTHORIZATION LETTER

December 19, 2023

Mr. Mike Weed
DuPage Water Commission
600 Butterfield Rd.
Elmhurst, IL. 60126

Dear Mike Weed:

This letter is to hereby acknowledge that Superior Industrial Equipment Co., with offices at 1609 Afton Road, Sycamore, IL 60178, United States is recognized by Flowserve U.S. Inc. ("Flowserve") as the sole authorized distributor of Flowserve Mechanical Seals, Seal Systems and Seal Accessories for Dupage Water Commission in Elmhurst, IL.

Superior Industrial Equipment Co., is authorized to promote sales, receive inquiries, and present quotations, for the products within the markets and territories specified in the attached **PRODUCTS and TERRITORY** for Municipal Seal Sales only.

This authorization letter is valid until December 31, 2025 or until earlier revoked by Flowserve.

Regards,



Stephanie Ruttman
Contracts and Channel Partner Manager

PRODUCTS and TERRITORY

Description	
STANDARD PRODUCTS	ENGINEERED PRODUCTS
<p>All products listed below are standard material, not modified and are less than 4.5". Any modification (including change in dimension) moves the pricing from "standard" to "engineered" (except PSS series—which remain classified Standard Products regardless of shaft diameter, even above 4.5")</p> <p>CBR CBS CRO CPM CPO GB-200 GCX GF-200 GX-200 ISC ISC2 Pac-Seal PSS II PSS III PSS IV P-200 P-50 PL-100/200 RA RA-B RA-C RO Series RX SL 5000 SL 5200 TBR Uniseal I Uniseal II Uniseal Plus X-100 X-200 80 Series</p>	<p>All products listed below plus any seals that are not defined as Standard products or specialty products.</p> <p>BAW BR/BRC/BRCS/BRL/BRO Bufferpac BX BXH/BXHH BXR/BXRH Circpac HP (for non-compressor applications) Circpac MD D DHT GLS/GSS GS GSD GSDH GSG GSL GTS II GTSP GU GW HD HS Series ISC2-682 LS-300 MRA ML MD MW MSS MX-201 all Pacific Wietz products (except Gaspac) PBR PBS PTO Q QS QB QBS QBQ QBQLZ U/UC/UZ</p>

Description	
<p style="text-align: center;"><u>ACCESSORIES</u></p> <p>Heat exchangers, seal coolers, lapping plates, cyclone separators, magnetic separators, SEB (solids excluder bushings), reservoirs, tools, circulators, supply tanks, lappers, optical flats, gas control panels, Seal Gard, airfin coolers, pressure units, DuraClear, Tool Box Products and accessories sold for maintenance or installation of mechanical seals, including KALREZ ® and Chemraz ® products.</p> <p>Note: KALREZ ® products may only be purchased from Flowserve for use in mechanical seals.</p> <p style="text-align: center;"><u>ALTERNATE PRODUCTS</u></p> <p>Packing, packing tool products, Bearing Gard and BGM bearing protection devices.</p>	<p style="text-align: center;"><u>ENGINEERED SPECIALTY PRODUCTS</u></p> <p>Gaspac RIS SLC SLM</p> <p style="text-align: center;"><u>SERVICES</u></p> <p>Mechanical seal repair, installation service, technical service and training services by Flowserve.</p> <p style="text-align: center;"><u>SOLUTIONS</u></p> <p>Integrated Solutions Operations Products: 1. Training and Educational Services 2. Wireless Products when approved on a case basis by the operations group and regional sales.</p>

Geographic Area Covered:

The following is a listing of the geographic areas covered by this Agreement	
Countries Included	Region, State, Parrish, Province, or Specific Accounts/Customers as shown below
United States	IOWA COUNTIES OF Entire State ILLINOIS COUNTIES OF Boone, Bureau, Carroll, Cook, DeKalb, DuPage, Ford, Fulton, Grundy, Hancock, Henderson, Henry, Iroquois, Jo Daviess, Kane, Kankakee, Kendall, Knox, La Salle, Lake, Lee, Livingston, Marshall, McDonough, McHenry, McLean, Mercer, Ogle, Peoria, Putnam, Rock Island, Stark, Stephenson, Tazewell, Warren, Whiteside, Will, Winnebago, Woodford INDIANA COUNTIES OF Jasper, Lake, La Porte, Newton, Porter

Market Segments covered or excluded from this agreement:

Market Segment	Included	Excluded
1. Chemical	X	
2. Corporate Headquarters	X	
3. Export (1)		X
4. Food and Beverage	X	
5. General Industries	X	
6. Marine	X	
7. Mining	X	
8. Nuclear Power Generation		X
9. Oil & Gas Production		X
10. Original Equipment Manufacturers		X
11. Petroleum Refining		X
12. Pipelines		X
13. Power Generation	X	
14. Primary Metals	X	
15. Pulp & Paper	X	
16. Resellers and Third Party Repair Operations		X
17. SOE (State Owned Entity) / Government Entity	X	
18. Water and Sewerage	X	

(1) Flowserve US Inc corporate policy requirement for export control & International pricing program management.

**Note this is the geographical territory, but there may be specific market and account inclusions /exclusions in the Agreement not listed here



Resolution #: R-06-24

Account: 01-60-663100, \$30,000

Approvals: *Author / Manager / Finance / Admin*

D.P. RCB CAP PDM

REQUEST FOR BOARD ACTION

Date: 1/11/2024

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

Agenda Section: Engineering & Construction

Originating Department: Pipeline & Remote Facilities

The Commission entered into certain agreements dated June 30, 2021, with John Neri Construction Co. Inc., Rossi Contractors Inc., and Benchmark Construction Co. Inc. for Quick Response construction work, as needed, through the issuance of Work Authorization Orders (Contract QR-12/21). On March 16, 2023, the Commission extended the Quick Response Contract for an additional term of 2 years commencing on July 1, 2023, and ending on June 30, 2025, for quick response construction work, through the issuance of Work Authorization Orders. Resolution No. R-06-24 would approve the following Work Authorization Order under the Quick Response Contracts.

Work Authorization Order No. 021 to Rossi Contractors, Inc.

The DuPage County Division of Transportation advised Staff of seriously deteriorating pavement surrounding the Commission's manhole structure located on the County Highway of Warrenville Road in the City of Naperville and requested immediate corrective action to mitigate unsafe driving conditions. Due to immediate safety concerns for the travelling public, staff authorized the work prior to receiving Board approval.

This repair included removal of existing asphalt and concrete base, excavating around the existing frame and adjustment rings, installing new adjustment rings, frame, backfilling the excavation with suitable materials, and restoring the roadway's concrete base and asphalt pavement to the satisfaction of the DuPage County Division of Transportation.

Resolution R-06-24 would approve Work Authorization Order No. 021 to Rossi Contractors, Inc. for the work as described in Exhibit 1 to this resolution, at a total estimated cost of \$30,000.

Recommended Motion:

To adopt Resolution No. R-06-24.

RESOLUTION NO. R-06-24

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

WHEREAS, the DuPage Water Commission (the "Commission") entered into certain agreements dated July 1, 2023, with John Neri Construction Co., Inc., Rossi Contractors, Inc., and Benchmark Construction Co., Inc. for quick response construction work related to the Commission's Waterworks System (said being hereinafter collectively referred to as "Contract QR-12/21");

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

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

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

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

SECTION TWO: The work Authorization Orders attached hereto and by this reference incorporated herein and made a part hereof as Exhibit 1 shall be and hereby are approved and, if already issued, ratified because the Board of Commissioners of the DuPage Water Commission has determined, based upon the representations of staff, that the circumstances said to necessitate the work

Authorization Orders were not reasonably foreseeable at the time the contracts were signed, the Work Authorization Orders are in the best interest of the DuPage Water Commission and authorized by law.

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

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

ADOPTED THIS _____ DAY OF _____, 2024.

James F. Zay, Chairman

ATTEST:

Danna Mundall, Clerk

Board/Resolutions/2024/R-06-24.docx

EXHIBIT 1

WORK AUTHORIZATION ORDER

SHEET 1 OF 2

CONTRACT QR-12/21: QUICK RESPONSE CONTRACT

WORK AUTHORIZATION ORDER NO.: QR-12.021

LOCATION:

Warrenville Road in the City of Naperville

CONTRACTOR:

Rossi Contractors, Inc.

DESCRIPTION OF WORK:

Repair includes providing and maintaining traffic and pedestrian controls, breaking asphalt and concrete street base, excavating existing frame and adjustment rings, installing new adjustment rings and frame, backfilling the excavation with suitable materials, restoring all disturbed areas to the satisfaction of the permitting highway authority, and all other work as necessary or as directed by the Commission.

REASON FOR WORK:

To replace faulty frame and repair street paving surrounding DuPage Water Commission's structure.

MINIMUM RESPONSE TIME:

N/A

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

N/A

THE WORK ORDERED PURSUANT TO THIS WORK AUTHORIZATION ORDER

IS IS NOT PRIORITY WORK

SUPPLEMENTARY NOTIFICATION OF POTENTIALLY HAZARDOUS CONDITIONS:

N/A


SUBMITTALS REQUESTED:

N/A

SUPPLEMENTARY CONTRACT SPECIFICATIONS AND DRAWINGS:

N/A


DUPAGE WATER COMMISSION

By: 
Signature of Authorized Representative

DATE: 12-28-23

CONTRACTOR RECEIPT ACKNOWLEDGED AND DESIGNATION OF SAFETY REPRESENTATIVE:

By: 
Signature of Authorized Representative

Safety Rep: 
Name and 24-Hr Phone No.
(630) 841-7431

DATE: 12/28/23



Resolution #: R-07-24

Account: 01-60-663100, \$220,000

Approvals: *Author / Manager / Finance / Admin*

D.P. RCB CAP PDM

REQUEST FOR BOARD ACTION

Date: 1/11/2024

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

Agenda Section: Engineering & Construction

Originating Department: Pipeline & Remote Facilities

The Commission entered into certain agreements dated June 30, 2021, with John Neri Construction Co. Inc., Rossi Contractors Inc., and Benchmark Construction Co. Inc. for Quick Response construction work, as needed, through the issuance of Work Authorization Orders (Contract QR-12/21). On March 16, 2023, the Commission extended the Quick Response Contract for an additional term of 2 years commencing on July 1, 2023, and ending on June 30, 2025, for quick response construction work, through the issuance of Work Authorization Orders. Resolution No. R-07-24 would approve the following Work Authorization Orders under the Quick Response Contracts.

Work Authorization Order No. 022 to Benchmark Construction Co, Inc.

The work authorization was issued, and work began, prior to Board approval and was necessary to repair a leaking 24" diameter steel water main located in the Village of Lombard. Excavation indicated the root cause of the leak as the result of a telecommunications utility's directional bore having damaged the water main's protective coating, which resulted in accelerated corrosion and the subsequent leak.

Commission records indicate the directional bore was performed in 1998. Staff will endeavor to recoup repair costs from the telecommunications utility which were onsite to record conditions of the watermain and the utility duct proximity and to document the telecom utility conduit contacting and deflecting against the Commission water main.

Resolution R-07-24 ratifies approval of Work Authorization Order No. 022 to Benchmark Construction Co., Inc. for the work as described in Exhibit 1 to this resolution, at an estimated cost of \$220,000.

Recommended Motion:

To adopt Resolution No. R-07-24.

RESOLUTION NO. R-07-24

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

WHEREAS, the DuPage Water Commission (the "Commission") entered into certain agreements dated July 1, 2023, with John Neri Construction Co., Inc., Rossi Contractors, Inc., and Benchmark Construction Co., Inc. for quick response construction work related to the Commission's Waterworks System (said being hereinafter collectively referred to as "Contract QR-12/21");

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

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

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

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

SECTION TWO: The work Authorization Orders attached hereto and by this reference incorporated herein and made a part hereof as Exhibit 1 shall be and hereby are approved and, if already issued, ratified because the Board of Commissioners of the DuPage Water Commission has determined, based upon the representations of staff, that the circumstances said to necessitate the work

Authorization Orders were not reasonably foreseeable at the time the contracts were signed, the Work Authorization Orders are in the best interest of the DuPage Water Commission and authorized by law.

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

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

ADOPTED THIS _____ DAY OF _____, 2024.

James F. Zay, Chairman

ATTEST:

Danna Mundall, Clerk

Board/Resolutions/2024/R-07-24.docx

EXHIBIT 1

WORK AUTHORIZATION ORDER

SHEET 1 OF 2

CONTRACT QR-12/21: QUICK RESPONSE CONTRACT

WORK AUTHORIZATION ORDER NO.: QR-12.022

LOCATION:

Highland Avenue in the Village of Lombard.

CONTRACTOR:

Benchmark Construction Co., Inc.

DESCRIPTION OF WORK:

Provide and maintain traffic and pedestrian controls; dewater isolated section of main; excavate, locate, and repair the source of a leak on a Commission 24" diameter steel water main; backfill the excavation with suitable materials; disinfect the isolated section of water main, restore all disturbed areas to the satisfaction of the permitting highway authority, and all other work as necessary or as directed by the Commission.

REASON FOR WORK:

To repair a leak in a 24" diameter steel water main.

MINIMUM RESPONSE TIME:

N/A

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

N/A

THE WORK ORDERED PURSUANT TO THIS WORK AUTHORIZATION ORDER

IS IS NOT PRIORITY WORK

SUPPLEMENTARY NOTIFICATION OF POTENTIALLY HAZARDOUS CONDITIONS:

N/A


SUBMITTALS REQUESTED:

N/A

SUPPLEMENTARY CONTRACT SPECIFICATIONS AND DRAWINGS:

N/A


DuPAGE WATER COMMISSION

By: 


Signature of Authorized Representative

DATE: 12-28-23

CONTRACTOR RECEIPT ACKNOWLEDGED AND DESIGNATION OF SAFETY REPRESENTATIVE:

By: 

Signature of Authorized Representative

Safety Rep: 

Name and 24-Hr Phone No.

DATE: _____



Resolution #: N/A

Account: 01-60-663300 \$38,393.85

Approvals: *Author / Manager / Finance / Admin*

D.P. RCB CAP PDM

REQUEST FOR BOARD ACTION

Date: 1/11/2024

Description: **Authorization for General Manager to Issue a Purchase Order to W.W. Grainger Inc. for replacement Emergency LED Light Fixtures at Remote Facilities at a cost of \$38,393.85 plus Shipping**

Agenda Section: Engineering & Construction

Originating Department: Pipeline & Remote Facilities

As identified in the 2014/2015 Condition Assessment and as included in the Commission's FY23/24 Management Budget, the existing Emergency Lighting and Exit Lighting fixtures at the 84 Remote Facilities have exceeded their useful life cycle. Staff are proposing to replace the existing incandescent light fixtures with energy saving LED fixtures with self-diagnostic functions to help comply with established Life Safety Codes and OSHA testing requirements.

The Commission solicited quotes from three (3) separate vendors. Of the three quotes received, the quote of W.W. Grainger was found to be the lowest and most favorable to the interests of the Commission.

Vendor	Quotation
W.W. Grainger	\$38,393.85
Villa Park Electrical Supply	\$59,665.55
Viking Electric Supply, Inc.	\$66,001.59

This request would authorize the issuance of a purchase order which exceeds the General Manager's spending limit as prescribed in the Commission By-Laws.

Recommended Motion:

To Authorize General Manager to Issue a Purchase Order to W.W. Grainger, Inc. for Replacement Emergency Light Fixtures for an estimated cost of \$38,393.85 plus shipping costs.



Customer Quotation

To:

DUPAGE WATER COMMISSION
 600 E BUTTERFIELD RD
 ELMHURST IL 60126-4642

Information

Date 11/28/2023
 Customer Account Number 825705312
 Grainger Quote Number 48750006
 Customer Job Number
 Contract Number
 Grainger Representative Andrew Peterson
 Phone Number
 Fax Number
 Email
 Grainger Tax ID 36-1150280

Item	Description Manufacturer Name & Model	Cat. Pg. #	Qty	\$ Quote	Ext. Price	Start Date	Exp. Date
4ZDA7	ExtSgn EmLt,Thermpl,Nic Cad,LED,4.3W LITHONIA LIGHTING LHQM LED R HO Country of Origin: China		55	122.07	6,713.85	11/28/2023	03/31/2024
54ZU68	Emrg Lght,Plst,Lth Iron Phsph,6.6W,LED LITHONIA LIGHTING EXTL SP640L UVOLT LTP SDRT Country of Origin: Mexico		120	264.00	31,680.00	11/27/2023	03/31/2024
Total \$					38,393.85		

All orders are subject to the terms and conditions in your current contract with Grainger or to Grainger's current Terms of Sale as set forth on Grainger.com

Thank You!
 Visit us at grainger.com



VILLA PARK
ELECTRICAL SUPPLY
The Power of Great Service Since 1973

QUOTE
Quote Date:
11/28/2023

QUOTE NUMBER
381693

420 W North Ave , Addison, IL 60101

Phone: 630.629.3990

Fax: 630.629.3988

QUOTE TO
DuPage Water Commission - Operations Account
DuPage Water Commission - Operations Account
600 E. Butterfield Road
Elmhurst, IL 60126

SHIP TO:
DuPage Water Commission - Operations Account
DuPage Water Commission - Operations Account
600 E. Butterfield Road
Elmhurst, IL 60126

JOB:
PO:
Cust #: 101320
Tel: (630) 834-0100 Fax:

Ln	Qty	Mfg	Part Number	Description	Price	Ext. Price
1	120	LITH	EXTL SP640L UVOLT LTP SDRT	EMERGENCY LIGHT WET LOCATION 4X	\$442.96 E	\$53,155.20
2	55	LITH	LHQM LED R HO M6	LED EM/EXIT COMBO WITH REMOTE CAPABILTY (USE (1) HEAD REMOTE# ELQ-QWP-LO304, (2) HEAD # ELA-T-QWP-LO304)	\$118.37 E	\$6,510.35

Amount Due: \$59,665.55

Please do not hesitate to call with any questions.

Best Regards,
Eric Beck
Phone: (630) 693-3104
Fax: (630) 629-3988



Expiration Date: 12/28/23

Quotation

TO:

COUNTER SALES: ADDISON
 880 S ROHLWING RD
 ADDISON, IL 60101-4218

Project Info:

Project: DUPAGE WATER COMMISSION
 Job #: 123115
 Ack Date 11/28/23
 PO#
 Quoter: TRAVIS KALISH

Type	Quantity	Vendor	Description	Unit or Lot#	Unit Price	Ext Price
FREIGHT ALLOWED						
	120	ACUITY B	EXTL SP640L UVOLT LTP SDRT 3 WK LEAD TIME	Unit	490.000/EA	58,800.00
	55	ACUITY B	LHQM LED R HO M 1 WK LEAD TIME	Unit	130.938/EA	7,201.59

From:

VIKING ELECTRIC VADD
 MAIN 847-353-6300
 880 S ROHLWING RD
 ADDISON, IL 60101-4218
 Printed By: TRAVIS KALISH
 Travis Kalish; 847 353 6336

Total	66,001.59
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Notes

Order is subject to Viking's standard terms and conditions
 Sales tax not included
 Orders to be billed through 3rd party require a purchase order from that party in advance of any shipment