



## AGENDA – Engineering and Construction Committee

Thursday, November 17, 2022 6:00 PM

### Committee Members

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

- I. Roll Call
- II. Approval of the October 20, 2022 Engineering & Construction Committee Minutes  
  
**RECOMMENDED MOTION: To approve the Minutes of the October 20, 2022, Regular Engineering & Construction Committee Meeting of the DuPage Water Commission.**
- III. Report of Status of Operations and Construction
- IV. **Resolution No. R-67-22:** A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Electrical Contract QRE-9/20 **(WAO 012 – McWilliams Electric Co., Inc. – Estimated Cost of \$60,058.00)**
- V. **Resolution No. R-69-22:** A Resolution Suspending Purchasing Procedures and Authorizing the General Manager to Purchase Materials and Labor Services for the Commission’s Emergency Generators and Ancillary Equipment **(Altorfer Power Systems – Not-To-Exceed \$300,000.00)**
- VI. **Resolution No. R-70-22:** A Resolution to Authorize Approval of Certain Work Authorization Orders Under Quick Response Contract QR-12/21 **(WAO 016 – Benchmark Construction Co. Inc. – Estimated Cost of \$456,085.14)**
- VII. **Resolution No. R-71-22:** A Resolution to Authorize Approval of Certain Work Authorization Orders Under Quick Response Contract QR-12/21 **(WAO 017 – Benchmark Construction Co. Inc. – Estimated Cost of \$85,372.10)**
- VIII. **Resolution No. R-73-22:** A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Electrical Contract QRE-9/20 **(WAO 013 – McWilliams Electric Co., Inc. – Estimated Cost of \$31,000.00)**

- IX. **Resolution No. R-75-22:** A Resolution Approving and Ratifying Certain Work Authorization Orders Under Valve Assessment Program – Contract VAP-2/22 **(WAO-2.001 – Pure Technologies US, Inc. – Estimated Cost \$275,000.00)**
  
- X. **Resolution No. R-76-22:** A Resolution Awarding the Influent, Effluent, and 72” Meter Buildings Coatings Rehabilitation Contract (Contract PSD-11/22) **(G.P. Maintenance Services, Inc. – Contract Price of \$440,000.00)**

**RECOMMENDED MOTION: To recommend approval of Items 2 through 10 of the Engineering and Construction Committee portion of the Commission Agenda.**

- XI. Other
  
- XII. Adjournment

**Minutes of a Meeting  
of the**

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**ENGINEERING & CONSTRUCTION COMMITTEE**

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

October 20, 2022

Chairman Fennell called the meeting to order at 6:00 P.M.

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

Committee members absent: None

Also in attendance: C. Bostick, D. Cuvalo, J. Haney, P. May (arrival at 6:10 P.M.), and D. Panaszek.

Commissioner Saverino moved to approve the Minutes of the September 15, 2022, Engineering & Construction Committee Meeting of the DuPage Water Commission. Motion seconded by Commissioner Bouckaert and unanimously approved by a Voice Vote.

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

In regard to R-56-22 Manager of Water Operations Bostick advised the Committee that this item appears on the agenda seeking authorization to suspend Commission purchasing procedures to obtain manhole frames and custom manhole covers from Neenah Foundry Company in an amount not to exceed \$200,000.00. Due to the expense to re-fabricate the molds necessary for the customized manhole lid castings, Neenah Foundry Company has been the sole supplier of manhole frames and lids as other foundries queried had expressed no interest on providing a proposal.

Regarding R-59-22 Manager of Water Operations Bostick advised the Committee that this item appears on the agenda seeking approval of Task Order No. 06 with DeLasCasas CP, LLC to perform additional cathodic protection systems testing and reporting on the 72" diameter steel Inner Belt Transmission Main as recent close interval testing found inadequate cathodic protection as according to recognized industry standards.

Regarding R-60-22 Manager of Water Operations Bostick advised the Committee that this item appears on the agenda seeking approval of Work Authorization Number 014 to Benchmark Construction Co., Inc. for the work necessary to install coupon assemblies and galvanic anode beds at various locations along the 72" supply main from Chicago. Manager of Water Operations Bostick advised the Committee that this work should help mitigate stray current generated by the CTA transit system in the vicinity of our pipeline.

In regard to R-61-22 Manager of Water Operations Bostick advised the Committee that this item appears on the agenda seeking the award of the Valve Assessment Program Contract (Contract VAP-2/22) to Pure Technologies US, Inc. Staff desires to commence a comprehensive valve assessment program performing evaluations, reporting, and to make recommendations for repairs on large diameter butterfly valves. The Contract is a two-year term at a time and material cost-basis that would

run through October 31, 2024, with the option of extending the contract through October 31, 2026. Manager of Water Operations Bostick also advised the Committee that other qualified firms elected to not submit a proposal due to their firm's inability to meet the terms and conditions set forth in the Commission's bidding documents.

Regarding R-62-22 Manager of Water Operations Bostick advised the Committee that this item appears on the agenda seeking approval of Work Authorization Number 015 to Benchmark Construction Co., Inc. for the work necessary to assist in the removal and reinstallation of a nonfunctioning valve actuator on a Southwest Feeder Main. Manager of Water Operations Bostick advised the Committee that this work included deep excavation, creation of an opening in a manhole structure to facilitate the actuator repair and also includes the means to provide traffic work zone and pedestrian protection. Manager of Water Operations Bostick also advised the Committee that Staff is studying the potential of replacement of certain manhole structures to provide ease of future maintenance activities.

In regard to R-63-22 Manager of Water Operations Bostick advised the Committee that this item appears on the agenda seeking authorization to procure exterior standpipe pressure washing services in an amount not to exceed \$37,000.00.

Regarding R-64-22 Manager of Water Operations Bostick advised the Committee that this item appears on the agenda seeking approval of a Master Contract with Burns and McDonnell Engineering Co., Inc. for professional engineering services in connection with such discrete projects as are delineated and described in Task Orders to be individually approved by the Commission. Manager of Water Operations Bostick advised the Committee that this action would also approve Task Order No. 01 to give the Commission third-party confirmation that our meter testing facilities, meter testing procedures, and reporting is as accurate as possible and follows best practices; and to provide the DWC customers with an engineering certification that the customers may submit to the Illinois Department of Natural Resources to support their water systems accountability when filing their individual LMO-2 annual audits.

Regarding R-65-22 Manager of Water Operations Bostick advised the Committee that this item appears on the agenda seeking approval of Task Order No. 20 with AECOM Technical Services, Inc., to update the Commission's Hydraulic Model. Manager of Water Operations Bostick advised the Committee that the hydraulic model was last calibrated in 2017 and with the addition of Bartlett and with future expansion of the system looming, recalibration of the model at this time is prudent. Manager of Water Operations Bostick also advised the Committee that the hydraulic model provides additional information Staff would need to determine potential deficiencies in the Commission's system as it presently exists.

Regarding the RFBA for Professional Surveying Services, Manager of Water Operations Bostick advised the Committee that Staff received three (3) quotations to provide the services and Staff believes the quotation of Claassen, White & Associates, P.C. is in the best interests of the Commission.

Chairman Fennell inquired with the Committee if there were any further questions regarding the action items. Hearing none, Commissioner Bouckaert moved to recommend approval of items 2

through 10 of the Engineering and Construction Committee portion of the Commission Agenda. Seconded by Commissioner Novotny and unanimously approved by a Voice Vote.

Chairman Fennell inquired the Committee if any other business or other items to be discussed.

Manager of Water Operations Bostick advised the Committee that a leak located in Wheaton has been determined to be on the Commission's Outer Belt Transmission Main, that mobilization will begin shortly, and ratification of the Work Authorization Order will be brought forth at the November 2022 Commission meeting.

With no other items coming before the Committee, Commissioner Saverino moved to adjourn the meeting at 6:18 P.M. Seconded by Commissioner Bouckaert and unanimously approved by a Voice Vote.

SP2013/MINUTES/ENGINEERING/2022/ENG221020.doc



## MEMORANDUM

**To:** Paul May – General Manager

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

Mike Weed – Operations Supervisor  
Dariusz Panaszek – Pipeline Supervisor  
Jessica Haney – Coordinating Engineer  
Alan Stark – Instrumentation/Remote Facilities Supervisor  
Denis Cuvalo – Coordinating Engineer

**Date:** 11/10/2022

**Subject:** Status of Operations and Construction

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### Operations Overview

The Commission's sales for the month of October were a total of 2.16 billion gallons. This represents an average day demand of 69.5 million gallons per day (MGD), which is higher than the October 2021 average day demand of 69.1 MGD. The maximum day demand was 79.3 MGD recorded on October 3, 2022, which is lower than the October 2021 maximum day demand of 89.0 MGD. The minimum day flow was 62.5 MGD.

The Commission's recorded total precipitation for the month of October 2022 was 1.66 inches compared to 5.77 inches for October 2021. The level of Lake Michigan for October 2022 is 579.40 (Feet IGLD 1985) compared to 580.32 (Feet IGLD 1985) for October 2021.

### Operations Maintenance and Repair

Resolution No. R-69-22 appears on the agenda Suspending Purchasing Procedures and authorizing the General Manager to purchase material and labor service for the Commission's emergency generator system including ancillary equipment through Altorfer Power, the authorized representative for Caterpillar equipment at a not-to-exceed cost of \$300,000.00.

Resolution No. R-73-22 appears on the agenda seeking approval of Work Authorization Order No. 013 to McWilliams Electric Co. Inc. for electrical services to replace corroded electrical conduits located in the DuPage Pump Stations Electrical Utility Service Yard and to seal a leaking electrical conduit located in a 5KV breaker cube inside the Pump Station Switchgear at an estimated cost of \$31,000.00.

## **Studies and Reports**

Raftelis, Inc. continues development of the Cost-of-Service Study in advance of contract negotiations with the City of Chicago regarding the Water Purchase and Sale Agreement.

Carollo Engineers continues to investigate and report on various potential alternate sources of Lake Water for the Commission.

## **Pipeline Maintenance and Construction Overview**

Pipeline staff is performing annual air release exercising program and corrective work as needed.

Pipeline staff is inspecting and performing maintenance work on Cathodic Protection Test Stations.

Resolution No. R-70-22 appears on the agenda requesting approval of Work Authorization Order No. 016 under the Quick Response Contract QR-12/21, to Benchmark Construction Co., Inc. This work was identified in the 2015 Condition Assessment and scheduled in the Five-Year Capital Improvement Program. The work includes the exterior sealing of groundwater penetrating the West Discharge Tunnel and redirection of the ground water into the existing stormwater system by adding underdrains. Also, during the process, corrosion testing and protection work will be incorporated for the 72-inch steel discharge header water main. The estimated cost of work is \$456,085.14.

Resolution No. R-71-22 appears on the agenda seeking ratification of QR-12/21 Work Authorization Order No. 017 which was issued to Benchmark Construction Co., Inc. and the work begun, prior to board approval and was necessary to repair a leak in a 30" diameter water main located in the City of Wheaton, at an estimated cost of \$85,372.10. The pipe conditions found during excavation indicate advanced corrosion. Staff is investigating remedial actions including slip-lining of the pipe interior.

Resolution No. R-75-22 appears on the agenda seeking approval of Work Authorization Order 01 Under Valve Assessment Program Contract VAP-2/22 (VAP-2.001) to Pure Technologies US, Inc. Approval of this Resolution would authorize Pure Technologies US, Inc. to perform valve assessments on 26 critical system valves at a cost estimated to be \$275,000.00.

## **Instrumentation / Remote Facilities Overview**

Instrumentation / Remote Facilities staff continues with routine inspections, preventative maintenance and corrective work, calibrations, and continuing with the meter test program.

## **Information Technology**

The SCADA Replacement Project (Contract PSD-9/22) is ongoing. In addition, workshops have continued to progress on the SCADA system graphics design, network design, and programming development while new workshops have begun on the security system upgrades, reporting development, Audio/Video system design, and public announcement system design.

### **Capital Improvement Program**

Resolution No. R-67-22 appears on the agenda seeking approval of Work Authorization Order No. 012 to McWilliams Electric Co. Inc. for electrical services to replace the Generator Facility's uninterruptible power supply (UPS) system and implement a new surge protection device.

Resolution No. R-76-22 appears on the agenda seeking to award the Influent, Effluent, and 72" Meter Buildings Coatings Rehabilitation Contract (Contract PSD-11/22) to G.P. Maintenance Services, Inc. for the total Contract Price of \$440,000.00. Contract PSD-11/22 is a lump sum contract to perform abrasive blasting and apply Insulated Coatings to the pipelines within the Influent, Effluent, and 72" Meter Buildings as well as rehabilitation of steel support structures.

The DPPS Emergency Generation System Modifications (Contract PSD-10/22) project demolition is underway. Residual diesel fuel was found under the concrete slabs, which stems from the diesel spill in 2018. SET Environmental has mobilized to remediate the contamination as an extension of previous remediation efforts. Joseph J. Henderson and Sons, Inc., the Generator Modifications Contractor has ceased their demolition efforts to make way for the SET work. Joseph J. Henderson will continue with other work as bets possible during the down time. The Completion Date, expected by January 2024, remains as is for the time being.

Caterpillar/Altorfer Power Systems are reviewing Staff and the Engineers' comments on the submittal documents for the Generator Controls Update Project.

Schneider Electric, the Building Automation System (BAS) upgrades contractor has come onsite to review the upcoming project work and setting a work schedule. Schneider anticipates the work to commence the work within the next several weeks. This work consists of updating HVAC and Lighting Controls of which certain portions of the system date back to 1999. Schneider has indicated that the construction will tentatively commence by Mid-November.

### **November 2022 Commission Agenda Items:**

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**Attachments**

1. DuPage Laboratory Bench Sheets for September 2022
2. Water Sales Analysis 01-May-2018 to 30-September-2022
3. DuPage Water Commission Chart Sales vs. Historical Average
4. DuPage Water Commission Chart Sales vs. Allocation

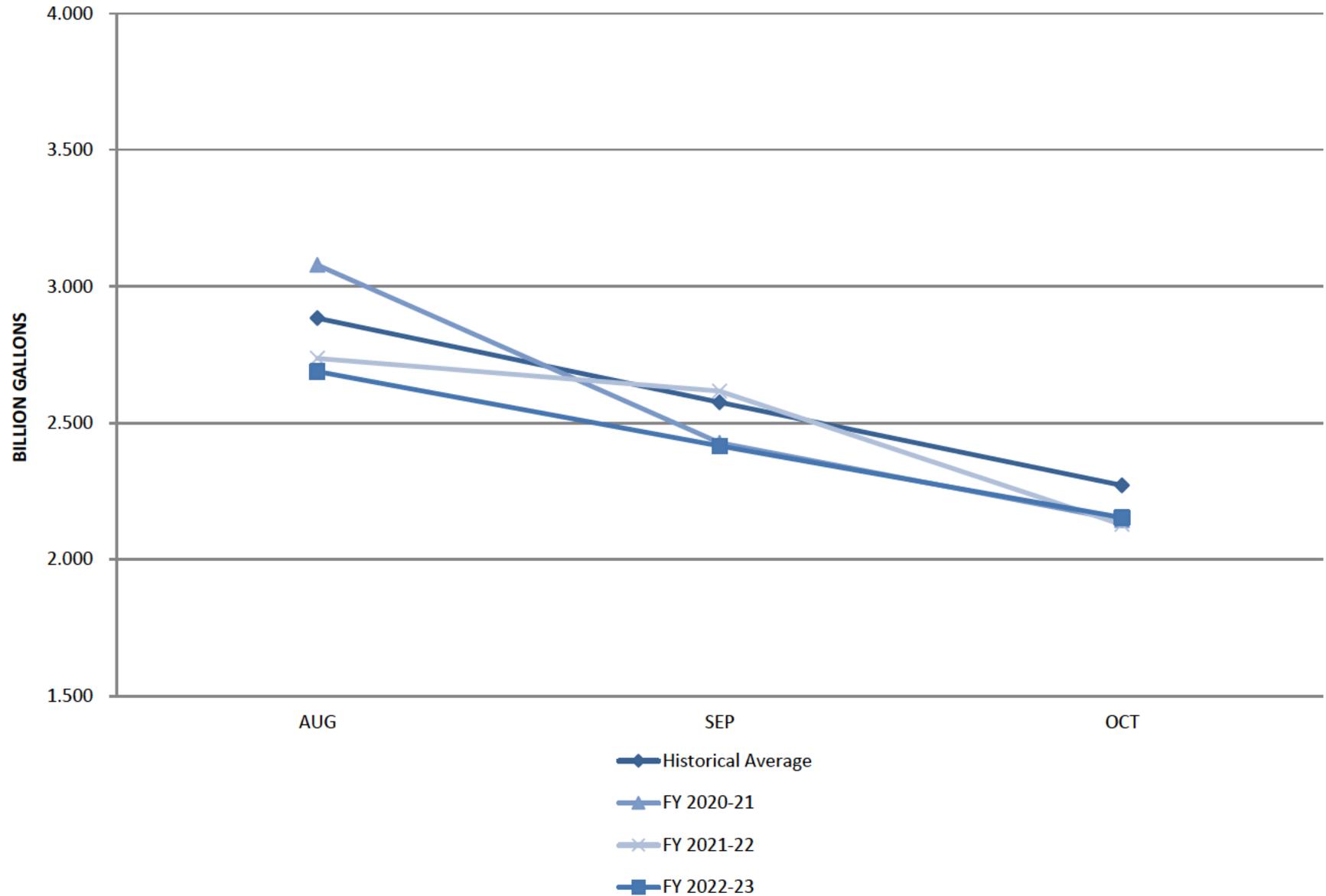
DUPAGE WATER COMMISSION  
 PWS FACILITY ID# - IL435400  
 MONTHLY OPERATIONS REPORT  
 DUPAGE WATER COMMISSION LABORATORY BENCH SHEET RESULTS  
 OCTOBER 2022

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	1.40	0.08	0.59		1.25	0.09	68	7.7	0.8	0.58	0	BM
2	1.41	0.08	0.58		1.20	0.08	68	7.7	0.8	0.57	0	BM
3	1.42	0.08	0.61		1.36	0.07	67	7.7	0.8	0.54	0	BM
4	1.31	0.07	0.58		1.34	0.07	67	7.8	0.8	0.58	0	BM
5	1.31	0.07	0.61		1.31	0.08	65	7.7	0.9	0.59	0	BM
6	1.28	0.09	0.59		1.13	0.09	66	7.8	0.9	0.60	0	BM
7	1.32	0.08	0.61		1.30	0.09	66	7.8	0.9	0.58	0	BM
8	1.30	0.07	0.60		1.16	0.08	66	7.7	0.8	0.55	0	RC
9	1.33	0.08	0.59		1.26	0.10	66	7.7	0.8	0.58	0	AM
10	1.30	0.09	0.62		1.28	0.10	65	7.7	0.8	0.59	0	AM
11	1.34	0.08	0.57		1.29	0.09	64	7.7	0.8	0.56	0	AM
12	0.94	0.10	0.59		1.00	0.09	64	7.6	0.8	0.54	0	AM
13	0.99	0.09	0.57		1.04	0.09	63	7.6	0.9	0.52	0	AM
14	1.29	0.08	0.59		1.19	0.10	63	7.6	0.8	0.56	0	AM
15	1.30	0.07	0.56		1.17	0.09	63	7.6	0.8	0.54	0	AM
16	1.25	0.09	0.59		1.14	0.08	64	7.8	0.8	0.59	0	BM
17	1.31	0.07	0.59		1.18	0.08	62	7.6	0.8	0.57	0	AM
18	1.29	0.08	0.60		1.17	0.08	62	7.7	0.8	0.58	0	AM
19	1.38	0.09	0.57		1.22	0.09	62	7.8	0.8	0.59	0	BM
20	1.38	0.07	0.60		1.14	0.09	63	7.8	0.9	0.59	0	BM
21	1.36	0.08	0.58		1.20	0.09	63	7.7	0.8	0.60	0	AM
22	1.38	0.08	0.59		1.22	0.09	63	7.7	0.8	0.58	0	KD
23	1.12	0.08	0.61		1.09	0.08	63	7.6	0.9	0.65	0	KD
24	1.45	0.07	0.60		1.19	0.09	63	7.7	0.9	0.62	0	BM
25	1.31	0.09	0.60		1.19	0.09	63	7.7	0.9	0.63	0	BM
26	1.32	0.07	0.64		1.13	0.09	63	7.6	0.8	0.64	0	KD
27	1.36	0.07	0.63		1.14	0.08	65	7.6	0.8	0.65	0	KD
28	1.21	0.09	0.57		1.07	0.09	65	7.6	0.8	0.64	0	KD
29	1.20	0.09	0.55		1.11	0.09	65	7.7	0.8	0.66	0	RC
30	1.32	0.07	0.56		1.24	0.07	63	7.6	0.8	0.59	0	RC
31	1.42	0.07	0.57		1.15	0.09	63	7.6	0.8	0.68	0	KD
AVG.	1.30	0.08	0.59		1.19	0.09	64	7.7	0.8	0.59	0	
MAX.	1.45	0.10	0.64		1.36	0.10	68	7.8	0.9	0.68	0	
MIN.	0.94	0.07	0.55		1.00	0.07	62	7.6	0.8	0.52	0	

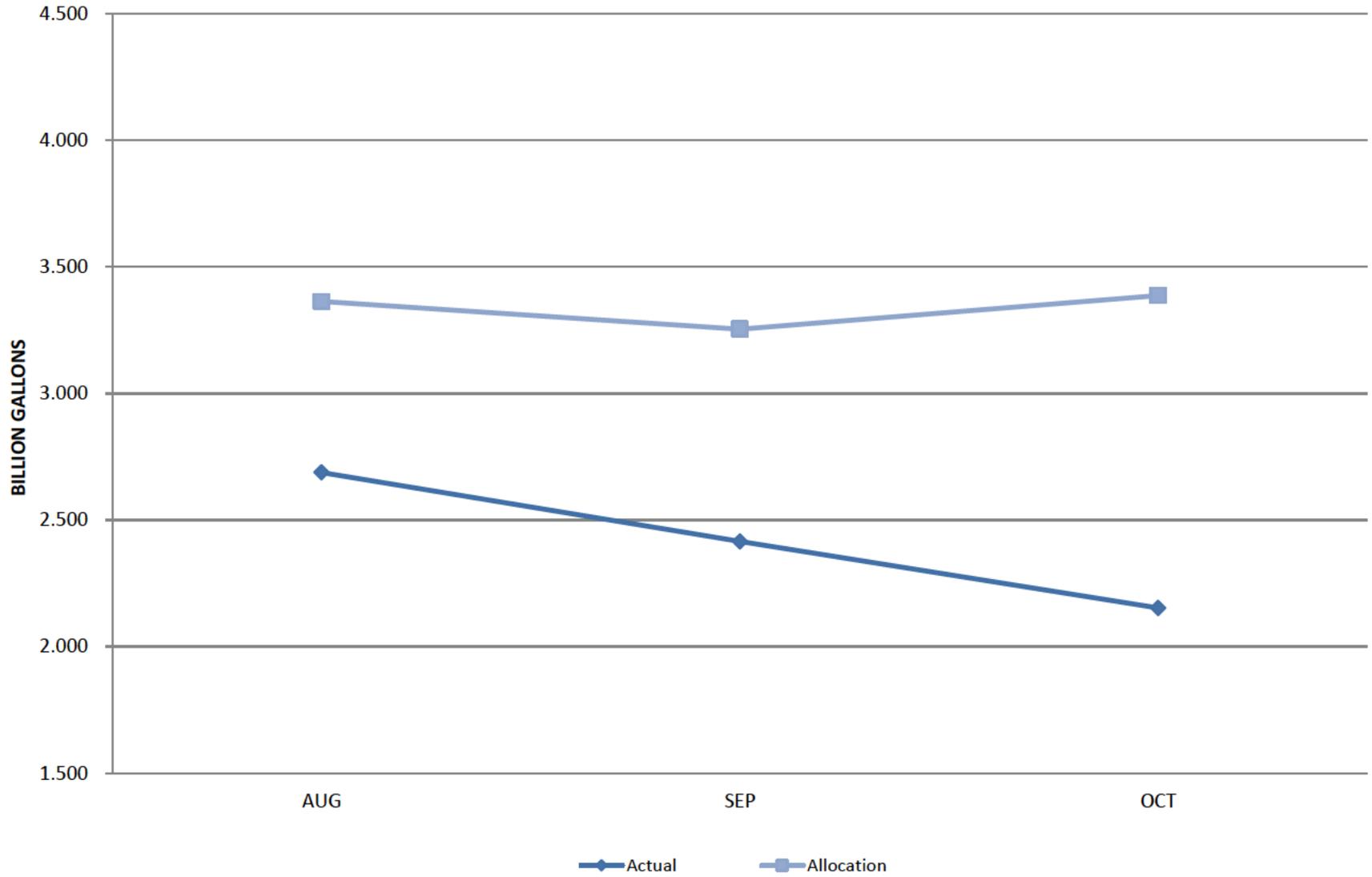
11/2/2022  
Date

Alan E. Stark, Coordinating Engineer  
 Illinois ROINC # 84789479

## DU PAGE WATER COMMISSION SALES FY 2022-23, 2021-22 & 2020-21 VS. HISTORICAL AVERAGE



## DU PAGE WATER COMMISSION SALES FY 2022-23 VS. ALLOCATION



DU PAGE WATER COMMISSION  
WATER SALES ANALYSIS

01-May-92 TO 31-Oct-22

PER DAY AVERAGE 78,256,464

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-19	2,081,843,000	2,147,990,870	96.92%	\$10,346,759.71	\$8,469,528.00	6,561,100	0.31%	97.23%	\$4.97	\$3.943
Jun-19	2,176,802,000	2,246,817,638	96.88%	\$10,818,705.94	\$8,931,100.11	434,900	0.02%	96.90%	\$4.97	\$3.975
Jul-19	2,639,452,000	2,714,539,721	97.23%	\$13,118,076.44	\$10,790,295.39	649,900	0.02%	97.26%	\$4.97	\$3.975
Aug-19	2,649,696,000	2,735,242,272	96.87%	\$13,168,989.12	\$10,872,588.03	638,420	0.02%	96.90%	\$4.97	\$3.975
Sep-19	2,206,442,000	2,264,715,472	97.43%	\$10,966,016.74	\$9,002,244.00	617,581	0.03%	97.45%	\$4.97	\$3.975
Oct-19	2,016,445,000	2,084,749,872	96.72%	\$10,021,731.65	\$8,286,880.74	1,204,331	0.06%	96.78%	\$4.97	\$3.975
Nov-19	1,915,266,000	1,976,465,358	96.90%	\$9,518,872.02	\$7,856,449.80	8,679,153	0.44%	97.34%	\$4.97	\$3.975
Dec-19	1,990,807,000	2,061,549,253	96.57%	\$9,894,310.79	\$8,194,658.28	4,646,824	0.23%	96.79%	\$4.97	\$3.975
Jan-20	1,982,608,000	2,040,353,072	97.17%	\$9,853,561.76	\$8,110,403.46	789,652	0.04%	97.21%	\$4.97	\$3.975
Feb-20	1,871,298,000	1,913,980,302	97.77%	\$9,300,351.06	\$7,608,055.65	978,927	0.05%	97.82%	\$4.97	\$3.975
Mar-20	1,957,293,000	2,014,856,325	97.14%	\$9,727,746.21	\$8,009,053.89	697,896	0.03%	97.18%	\$4.97	\$3.975
Apr-20	1,863,825,000	1,911,777,366	97.49%	\$9,263,210.25	\$7,599,315.03	271,200	0.01%	97.51%	\$4.97	\$3.975
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
TOTALS (1)	871,855,264,798	897,078,751,679	97.19%	\$2,081,395,392.33	\$1,843,208,506.28	858,488,744	0.10%	97.28%	\$2.39	\$2.055

(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

Oct-21	15,120,344,000	15,574,742,886	97.08%	75,148,110	63,999,978			\$4.97	\$4.109
Oct-22	15,020,823,000	15,476,515,035	97.06%	77,807,863	66,406,588			\$5.18	\$4.291
	(99,521,000)	(98,227,851)		\$2,659,753	\$2,406,610				
	-0.7%	-0.6%		3.5%	3.8%				
Month									
Oct-21	2,128,141,000	2,179,013,387	97.67%	10,576,861	8,968,819			\$4.97	\$4.116
Oct-22	2,153,410,000	2,220,050,683	97.00%	11,154,664	9,595,059			\$5.18	\$4.322
	25,269,000	41,037,296		\$577,803	\$626,240				
	1.2%	1.9%		5.5%	7.0%				
Oct>Sept	(262,125,000)	(254,593,139)		(1,357,808)	(1,100,352)				



**Resolution #:** R-67-22

**Account:** 01-60-72250, \$60,058

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



## REQUEST FOR BOARD ACTION

**Date:** 11/7/2022

**Description:** A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Electrical Contract QRE-9/20

**Agenda Section:** Engineering & Construction

**Originating Department:** Engineering

The Commission entered into certain agreements dated January 21, 2021, with McWilliams Electric Co. Inc., FSG Electric Inc., and Courtesy Electric Inc. for quick response electrical work as needed through the issuance of Work Authorization Orders. Resolution No. R-67-22 would approve the following Work Authorization Order under the Quick Response Electrical Contract.

**Work Authorization Order No. 012:** This work authorization is for McWilliams Electric Co. Inc. The Commission's Generator Facility uninterruptible power supply (UPS) system is at its end of life and contains components that are no longer manufactured or supported. Separate from this WAO, the SCADA Replacement Project is replacing the existing Pump Station UPS system and Commission staff is looking to replace the Generator Facility UPS with a similar system and model, so that there is continuity between the two systems. The proposals for this work are listed in the table below:

Courtesy Electric Inc.	\$76,818.94
FSG, Inc.	N/A
McWilliams Electric Co. Inc.	\$60,058.00

Approval of Resolution R-67-22 would approve Work Authorization Order No. 012 to McWilliams Electric Co. Inc. at the estimated cost of \$60,058.00.

**Recommended Motion: To Adopt Resolution R-67-22**

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**RESOLUTION NO. R-67-22**

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**A RESOLUTION APPROVING AND RATIFYING  
CERTAIN WORK AUTHORIZATION ORDERS UNDER QUICK RESPONSE  
ELECTRICAL CONTRACT QRE-9/20**

WHEREAS, the DuPage Water Commission (the “Commission”) entered into certain agreements dated January 21, 2021, with McWilliams Electric Co. Inc., FSG Inc. and Courtesy Electric Inc. for quick response electrical work related to the Commission's Waterworks System (said agreements being hereinafter collectively referred to as “Contract QRE-9/20”); and

WHEREAS, Contract QRE-9/20 is designed to allow the Commission to direct one or more or all of the quick response electrical contractors to perform emergency electrical work, including without limitation electrical work that the Commission is unable to perform through its own personnel and with its own equipment, as needed through the issuance of Work Authorization Orders;

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 germane to the original contracts as signed, and/or 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.				
Broda, J.				
Fennell, J.				
Gans, R.				
Gustin, P.				
Healy, J.				
Novotny, D.				
Pruyn, J.				
Rush, K.				
Russo, D.				
Saverino, F.				
Suess, P.				
Zay, J.				

ADOPTED THIS \_\_\_\_ DAY OF \_\_\_\_\_, 2022.

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

ATTEST:

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

Board/Resolutions/2022/R-67-22.docx

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EXHIBIT 1

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**WORK AUTHORIZATION ORDER**

**SHEET 1 OF 2**

**CONTRACT QRE-9/20: QUICK RESPONSE ELECTRICAL CONTRACT**

**PROJECT: QRE-9.012**

**LOCATIONS:**

DuPage Water Commission Generator Facility Electrical Room at 600 E Butterfield Rd, Elmhurst

**CONTRACTOR:**

McWilliams Electric Co. Inc.

**DESCRIPTION OF WORK:**

Decommission and demolition of the existing Liebert NPower 30kVA uninterruptible power supply (UPS) in the Commission Generator Facility and purchase and installation of an APC Galaxy VS 20kVA UPS and SPD through Schneider Electric per the attached design and specification documents. Coordination of work with the Commission will be critical when working in the electrical room and when loads need to be shut down during transferring of the power source.

**REASON FOR WORK:**

Decommission and demolition of the existing Liebert NPower 30kVA uninterruptible power supply (UPS) in the Commission Generator Facility and purchase and installation an APC Galaxy VS 20kVA UPS and SPD through Schneider Electric. The existing NPower 30kVA UPS was installed in 2012 and the unit is at end of life. The Commission is in the process of replacing the Pump Station UPS system with a similar APC Galaxy VS UPS system through Schneider Electric and would like to do the same with the unit in the Generator Building.

**MINIMUM RESPONSE TIME:**

The estimate is due by 12:00 PM CST on November 3, 2022.

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

None

**THE WORK ORDERED PURSUANT TO THIS WORK AUTHORIZATION ORDER**

IS  IS NOT PRIORITY EMERGENCY WORK

**SUBMITTALS REQUESTED:**

None

**SUPPLEMENTARY NOTIFICATION OF POTENTIALLY HAZARDOUS CONDITIONS:**

None

**SUPPLEMENTARY CONTRACT SPECIFICATIONS AND DRAWINGS:**

Drawings and supporting documentation for the Galaxy VS UPS system and SPD provided by Schneider Electric are attached.

**DUPAGE WATER COMMISSION**

By: \_\_\_\_\_  
Signature of Authorized  
Representative

DATE: \_\_\_\_\_

**CONTRACTOR RECEIPT ACKNOWLEDGED AND DESIGNATION OF SAFETY REPRESENTATIVE:**

By: \_\_\_\_\_  
Signature of Authorized  
Representative

Safety Rep: \_\_\_\_\_  
Name and 24-Hr Phone No.

DATE: \_\_\_\_\_



**Resolution #:** R-69-22

**Account:**01-60-629000/01-60-771200

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



## REQUEST FOR BOARD ACTION

**Date:** 11/10/2022

**Description:** **A Resolution Suspending Purchasing Procedures and Authorizing the General Manager to Purchase Materials and Labor Services for the Commission's Emergency Generators and Ancillary Equipment, at a cost not-to-exceed \$300,000.00 from Altorfer Power Systems.**

**Agenda Section:** Engineering & Construction

**Originating Department:** Operations

Resolution No. R-69-22 would suspend purchasing procedures and authorize the General Manager to purchase material and labor service for the Commission's Emergency Generators and Ancillary Equipment at a cost not-to-exceed \$300,000.00 from Altorfer Power Systems (formally Patten Power Systems). Altorfer Power Systems is Caterpillar's sole authorized service provider in Northern Illinois and the Chicago Metropolitan area.

The Commission's emergency generator system, which includes five Caterpillar generators provide emergency power to operate the DuPage Pumping Station's large service pumps during utility power loss events.

Altorfer Power Systems provide factory-trained technicians, customer service, and support associated with Caterpillar products. Altorfer Power Systems provided the following services during and post-construction of the Commission's PSD-7 Emergency Generator Improvement Project: supervised the generator installation, customer/vendor equipment start-up, staff training, warranty, and product enhancement service. Altorfer Power Systems currently provides preventive maintenance service and periodic repair and troubleshooting services on the generator system and ancillary equipment as needed.

Material and labor services would be used on an as-needed basis. There is no cost component for this action at this time.

**Recommended Motion: To adopt Resolution R-69-22**

DuPAGE WATER COMMISSION

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RESOLUTION NO. R-69-22

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**A RESOLUTION SUSPENDING PURCHASING PROCEDURES AND AUTHORIZING THE GENERAL MANAGER TO PURCHASE MATERIALS AND LABOR SERVICES FOR THE COMMISSION'S EMERGENCY GENERATORS AND ANCILLARY EQUIPMENT, AT A COST NOT-TO-EXCEED \$300,000.00 FROM ALTORFER POWER SYSTEMS**

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

WHEREAS, the DuPage Water Commission's Emergency Generator System includes five Caterpillar generators that provide emergency power to operate the Commission's large service pumps during utility power loss events; and

WHEREAS, Altorfer Power Systems is Caterpillar's sole authorized service provider in Northern Illinois and Chicago Metropolitan area; and

WHEREAS, Altorfer Power Systems provides factory-trained technicians, customer service and support associated with Caterpillar products; and

WHEREAS, Altorfer Power Systems provided the Commission the following services during and post construction of the PSD-7 Emergency Generator Improvement Project: supervised generator installation, vendor/customer equipment start-up, staff training, warranty, and product enhancement service; and

WHEREAS, Material and labor services would be used on an as-needed basis; and

WHEREAS, the Board of Commissioners of the DuPage Water Commission believes it is in the best interest of the Commission to suspend purchasing procedures and authorize the General Manager to purchase material and labor services for the Commission's Emergency Generators and Ancillary Equipment at a cost not-to-exceed \$300,000.00 from Altorfer Power Systems;

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 material and labor service for the Commission’s Emergency Generators and Ancillary Equipment at a cost not-to-exceed \$300,000.00 from Altorfer Power Systems on an as-needed basis 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.				
Broda, J.				
Fennell, J.				
Gans, R.				
Gustin, P.				
Healy, J.				
Novotny, D.				
Pruyn, J.				
Rush, K.				
Russo, D.				
Saverino, F.				
Suess, P.				
Zay, J.				

ADOPTED THIS \_\_\_ DAY OF \_\_\_\_\_, 2022.

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James Zay, Chairman

ATTEST:

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Danna Mundall, Clerk

Board/Resolutions/2022/R-69-22.docx



**Resolution #:** R-70-22

**Account:** 01-60-722200, \$456,085.14

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



## REQUEST FOR BOARD ACTION

**Date:** 11/10/2022

**Description:** To Authorize Approval of Certain Work Authorization Orders Under Quick Response Contract QR-12/21.

**Agenda Section:** Engineering & Construction

**Originating Department:** Pipeline

The Commission entered into certain agreements dated June 30, 2021, with John Neri Construction Co., Inc., Rossi Contractors, Inc., and Benchmark Construction Co., Inc. for quick response construction work, as needed, through the issuance of Work Authorization Orders. Resolution No. R-70-22 would approve the following Work Authorization Orders under the Quick Response Contracts.

**Work Authorization Order No. 016:** This work authorization is to Benchmark Construction Co., Inc. to provide and maintain traffic and pedestrian controls, install drainage pipes and manholes and connect them into the existing drainage system on site, replace corrosion test station, excavate around 72-inch steel water main and install waterproofing, backfill the excavations, and restore all disturbed areas, and all other work as described in the DuPage Pump Station Site Drainage Improvements documents.

This work was identified in the 2015 Condition Assessment and scheduled in the Five-Year Capital Improvement program. Due to the complexity of the work, CDM Smith was engaged to perform design, bidding, and construction professional services.

The work includes the exterior sealing of groundwater penetrating the West Discharge Tunnel and redirection of the ground water into the existing stormwater system by adding underdrains. Also, during the process, corrosion testing and protection work will be incorporated for the 72-inch steel discharge header water main.

Staff solicited cost estimates for this work from the three QR-12/21 contractors. Of the three (3) Quick Response Contractors only Benchmark Construction Co., Inc. submitted a proposal in the amount of \$456,085.14. The estimate as received from Benchmark came in less than the CDM Smith engineering estimate.

As such, staff is recommending the approval of Resolution R-70-22 approving Work Authorization Order Number 016 to Benchmark Construction Co., Inc. for the work necessary to install drainage improvements. The estimated cost of this work is expected to be \$456,085.14. This work was included in the FY 22/23 Management Budget.

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**Recommended Motion:**

To Authorize approval of Resolution R-70-22 and ratify Work Authorization Order Number 016 to Benchmark Construction Co., Inc. for the work described at the estimated cost \$456,085.14.

**DuPAGE WATER COMMISSION**

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**RESOLUTION NO. R-70-22**

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

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

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

WHEREAS, the need 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 hereby 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 germane to the original contracts as signed, and/or the Work Authorization Orders are in the best interest of the DuPage Water Commission and authorized by law.

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

	Aye	Nay	Absent	Abstain
Bouckaert, D.				
Broda, J.				
Fennell, J.				
Gans, R.				
Gustin, P.				
Healy, J.				
Novotny, D.				
Pruyn, J.				
Rush, K.				
Russo, D.				
Saverino, F.				
Suess, P.				
Zay, J.				

ADOPTED THIS \_\_\_\_ DAY OF \_\_\_\_\_, 2022.

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

ATTEST:

\_\_\_\_\_  
Danna Mundall, Clerk  
Board/Resolutions/2022/R-70-22.docx

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EXHIBIT 1

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**WORK AUTHORIZATION ORDER**

**SHEET 1 OF 2**

**CONTRACT QR-12/21: QUICK RESPONSE CONTRACT**

**WORK AUTHORIZATION ORDER NO.: QR-12.016**

**LOCATION:**

DuPage Pump Station in Elmhurst

**CONTRACTOR:**

Benchmark Construction Co., Inc.

**DESCRIPTION OF WORK:**

Provide and maintain traffic and pedestrian controls, install drainage pipes and manholes and connect them into the existing drainage system on site, replace corrosion test station, excavate around 72-inch steel water main and install waterproofing, backfill the excavations, and restore all disturbed areas, and all other work as described in the DuPage Pump Station Site Drainage Improvements documents.

**REASON FOR WORK:**

To stop groundwater infiltration into the West Discharge Tunnel and provide better corrosion protection for 72-inch 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:**

YES

**SUPPLEMENTARY CONTRACT SPECIFICATIONS AND DRAWINGS:**

YES

**DuPAGE WATER COMMISSION**

By: \_\_\_\_\_  
Signature of Authorized  
Representative

DATE: \_\_\_\_\_

**CONTRACTOR RECEIPT ACKNOWLEDGED AND DESIGNATION OF SAFETY REPRESENTATIVE:**

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

DATE: \_\_\_\_\_



**Resolution #:** R-71-22

**Account:** 01-60-663100, \$85,372.10

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



## REQUEST FOR BOARD ACTION

**Date:** 11/10/2022

**Description:** To Authorize Approval of Certain Work Authorization Orders Under Quick Response Contract QR-12/21.

**Agenda Section:** Engineering & Construction

**Originating Department:** Pipeline

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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. Resolution No. R-71-22 would approve the following Work Authorization Orders under the Quick Response Contracts.

**Work Authorization Order No. 017:** This work authorization was issued, and the work begun, prior to board approval and was necessary to repair a leak in a 30" diameter steel water main located on Naperville Road in the City of Wheaton.

In late August, staff was notified by the manager of Danada Shopping Center on Naperville Road in Wheaton about potential water leak experiencing in the parking lot of the Shopping Center. Staff investigated the leak but due to minimal ground saturation could not determine whether leak is on DWC's 30-inch steel water main, or irrigation system maintained by the property management. The leak detection and alternating current voltage gradient surveys were inconclusive and did not determine the leak location. Staff performed multiple pressure tests on section of 30-inch water main in front of the subject property and noticed the pressure drop indicating potential leak. The location was monitored until the irrigation system was shut off for the season and such eliminating the irrigation system as a source of the leak. QR contractor, Benchmark Construction Co. excavated the exploratory hole and located the leak on 30-inch steel water main. Three (3) steel plates were welded covering 3 corroded areas on 30-inch water main located in the same excavation. Further investigation concluded that the 30-inch water main is corroded at multiple locations providing a high probability for future water main leaks and breaks. Therefore, the Commission is evaluating the

condition of the subject 30-inch water main and considering alternatives for a pipeline project as a permanent solution for this area.

Approval of Resolution R-71-22 would ratify Work Authorization Order Number 017 to Benchmark Construction Co., Inc. for the work necessary to excavate, locate and repair, as described in Exhibit 1 to this resolution, the source of a leak located on a Commission 30" diameter steel water main at an estimated cost of \$85,372.10.

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**Recommended Motion:**

To Authorize approval of Resolution R-71-22 and ratify Work Authorization Order Number 017 to Benchmark Construction Co., Inc. for the work described at an estimated cost of \$85,372.10.

**DuPAGE WATER COMMISSION**

---

**RESOLUTION NO. R-71-22**

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

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

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

WHEREAS, the need 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 hereby 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 germane to the original contracts as signed, and/or the Work Authorization Orders are in the best interest of the DuPage Water Commission and authorized by law.

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

	Aye	Nay	Absent	Abstain
Bouckaert, D.				
Broda, J.				
Fennell, J.				
Gans, R.				
Gustin, P.				
Healy, J.				
Novotny, D.				
Pruyn, J.				
Rush, K.				
Russo, D.				
Saverino, F.				
Suess, P.				
Zay, J.				

ADOPTED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 2022.

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

ATTEST:

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

Board/Resolutions/2022/R-71-22.docx

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EXHIBIT 1

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**WORK AUTHORIZATION ORDER**

**SHEET 1 OF 2**

**CONTRACT QR-12/21: QUICK RESPONSE CONTRACT**

**WORK AUTHORIZATION ORDER NO.: QR-12.017**

**LOCATION:**

Naperville Road and East Loop Road in the City of Wheaton.

**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 30" 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 30" 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: \_\_\_\_\_

**CONTRACTOR RECEIPT ACKNOWLEDGED AND DESIGNATION OF SAFETY REPRESENTATIVE:**

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

DATE: \_\_\_\_\_



**Resolution #:** R-73-22

**Account:** 01-60-656000 \$31,000.00

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



## REQUEST FOR BOARD ACTION

**Date:** 11/10/2022

**Description:** A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Electrical Contract QRE-9/20

**Agenda Section:** Engineering & Construction

**Originating Department:** Operations

The Commission entered into certain agreements dated January 21, 2021, with McWilliams Electric Co. Inc., FSG Inc. and Courtesy Electric Inc. for quick response electrical work as needed through the issuance of Work Authorization Orders. Resolution No. R-73-22 would approve the following Work Authorization Order under the Quick Response Electrical Contract.

Background: The existing underground rigid conduit that carries the control power wiring from the DuPage Pump Station's Electrical Utility Service Yard to the Pump Station's 5KV switchgear breaker cubes is allowing groundwater to enter the conduit and travel to the circuit breaker cubes located inside of the Pump Station. The groundwater is causing corrosion to parts of the switchgear and creating the potential of an electrical safety hazard.

**Work Authorization Order No. 013:** This work authorization is for McWilliams Electric Co. Inc. to remove the existing conduits located in the Electrical Utility Service Yard; seal the conduit located in the breaker cube with waterproof sealant; prepare, sand, prime, and paint the surface rust area inside breaker cube; and, install three (3) new rigid conduits and control wiring from the Electrical Utility Service Yard to all three (3) electrical breaker cubes located in the Pump Station Electrical Room. The rigid conduit is to be installed underground in the Electrical Utility Service Yard and above grade inside the Pump Station.

Approval of Resolution R-73-22 would approve Work Authorization Order No. 013 to McWilliams Electric Co. Inc at an estimated cost of \$31,000.00.

**Recommended Motion: To adopt Resolution R-73-22**

**DUPAGE WATER COMMISSION**

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**RESOLUTION NO. R-73-22**

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**A RESOLUTION APPROVING AND RATIFYING CERTAIN WORK AUTHORIZATION ORDERS UNDER QUICK  
RESPONSE ELECTRICAL CONTRACT QRE-9/20**

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

WHEREAS, the DuPage Water Commission (the “Commission”) entered into certain agreements dated January 21, 2021, with McWilliams Electric Co. Inc., FSG Inc. and Courtesy Electric Inc. for quick response electrical work related to the Commission's Waterworks System (said agreements being hereinafter collectively referred to as “Contract QRE-9/20”); and

WHEREAS, Contract QRE-9/20 is designed to allow the Commission to direct one or more or all of the quick response electrical contractors to perform emergency electrical work, including without limitation electrical work that the Commission is unable to perform through its own personnel and with its own equipment, as needed through the issuance of Work Authorization Orders;

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 germane to the original contracts as signed, and/or 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.				
Broda, J.				
Fennell, J.				
Gans, R.				
Gustin, P.				
Healy, J.				
Novotny, D.				
Pruyn, J.				
Rush, K.				
Russo, D.				
Saverino, F.				
Suess, P.				
Zay, J.				

ADOPTED THIS \_\_\_ DAY OF \_\_\_\_\_, 2022.

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

ATTEST:

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

Board/Resolutions/2022/R-73-22.docx

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**EXHIBIT 1**

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## WORK AUTHORIZATION ORDER

SHEET 1 OF 2

### CONTRACT QRE-9/20: QUICK RESPONSE ELECTRICAL CONTRACT

PROJECT: QRE-9.013

#### **LOCATION:**

DuPage Pump Station

#### **CONTRACTOR:**

McWilliams Electric Co., Inc.

#### **DESCRIPTION OF WORK:**

Remove the existing rigid pipes located in the DuPage Pump Station Electrical Utility Service Yard. Seal the leaking rigid pipe located in the DuPage Pump Station's 5KV breaker cube with waterproof sealant. Prepare, sand, prime, and paint the surface rust area inside 5KV breaker cube. Install three (3) new rigid pipe conduits and control wires from the electrical service yard to the three (3) associated 5KV electrical breaker cubes located in the DuPage Pump Station's Electrical Room. The rigid pipe will be installed underground in the Electrical Utility Service Yard and above grade inside the DuPage Pump Station.

#### **REASON FOR WORK:**

The existing rigid pipe that supplies the control power from the DuPage Pump Station's Electrical Utility Service Yard to the DuPage Pump Station's 5KV switchgear breaker cube is broken underground and allowing groundwater to enter the rigid pipe and travel to the inside of the breaker cube. The water is corroding parts of the 5KV switchgear and creating an electrical safety hazard.

**MINIMUM RESPONSE TIME:** None

#### **COMMISSION-SUPPLIED MATERIALS, EQUIPMENT**

**AND SUPPLIES TO BE INCORPORATED INTO THE WORK:** None

**THE WORK ORDERED PURSUANT TO THIS WORK AUTHORIZATION ORDER**

IS  IS NOT **PRIORITY EMERGENCY WORK**

**SUBMITTALS REQUESTED:** None

**SUPPLEMENTARY NOTIFICATION OF POTENTIALLY HAZARDOUS CONDITIONS:** None

**SUPPLEMENTARY CONTRACT SPECIFICATIONS AND DRAWINGS:** None

**DUPAGE WATER COMMISSION**

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

Signature of Authorized  
Representative

DATE: \_\_\_\_\_

**CONTRACTOR RECEIPT ACKNOWLEDGED AND DESIGNATION OF SAFETY REPRESENTATIVE:**

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

Signature of Authorized  
Representative

Safety Rep: \_\_\_\_\_

Name and 24-Hr Phone No.

DATE: \_\_\_\_\_



**Resolution #:** R-75-22

**Account:** 01-60-663100

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



## REQUEST FOR BOARD ACTION

**Date:** 11/10/2022

**Description:** **A Resolution Approving and Ratifying Certain Work Authorization Orders Under Valve Assessment Program - Contract VAP-2/22**

**Agenda Section:** Engineering & Construction

**Originating Department:** Pipeline

The Commission desires to commence a comprehensive valve assessment program seeking evaluations, reports, and repairs on large diameter butterfly valves. The butterfly valves range in age from 17 to 35 years old and staff would like to ensure that all critical valves are fully functional.

The Commission entered into an agreement dated November 8, 2022, with Pure Technologies US, Inc. for valve assessment work, as needed, through the issuance of Work Authorization Orders. Resolution No. R-75-22 would approve Work Authorization Order No. 01 under the VAP-2/22 Contract.

Work Authorization Order 1 would allow Pure Technologies Inc. to complete valve assessments on 26 butterfly valves. The 26 valves that will be assessed are critical system valves that are required to be functional to limit customer shutdowns in case of an emergency. The valve assessment includes removing the gearbox cover and inspecting gears, exercising the valve, replacing all hardware with stainless steel equivalents, and lubricating all equipment. Resolution R-75-22 would approve Work Authorization Order Number 2.001 to Pure Technologies, Inc. for the work described at an estimated cost of \$275,000.00.

**Recommended Motion:** To Approve Resolution R-75-22.

DuPAGE WATER COMMISSION

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**RESOLUTION NO. R-75-22**

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**A Resolution Approving and Ratifying Certain Work Authorization Orders Under Valve Assessment Program - Contract VAP-2/22**

WHEREAS, the DuPage Water Commission (the "Commission") entered into a certain agreement dated November 8, 2022, with Pure Technologies, Inc. for valve assessment program work related to the Commission's Waterworks System (said agreements being hereinafter collectively referred to as "Contract VAP-2/22"); and

WHEREAS, Contract VAP-2/22 is designed to allow the Commission to direct Pure Technologies, Inc. to perform valve assessment and repair work related to the Commission's Waterworks System, as needed through the issuance of Work Authorization Orders; and

WHEREAS, the need for certain valve assessment 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 hereby 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 germane to the original contracts as signed, and/or 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.				
Broda, J.				
Fennell, J.				
Gans, R.				
Gustin, P.				
Healy, J.				
Novotny, D.				
Pruyn, J.				
Rush, K.				
Russo, D.				
Saverino, F.				
Suess, P.				
Zay, J.				

ADOPTED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 2022.

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

ATTEST:

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

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EXHIBIT 1

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## WORK AUTHORIZATION ORDER

**CONTRACT VAP-2/22: CONTRACT**

**PROJECT: VAP-2.001**

**LOCATION:**

Various locations within Cook and DuPage County see attached Map Book.

**CONTRACTOR:**

Pure Technologies US, Inc.

**DESCRIPTION OF WORK:**

Perform 26 Valve Assessments as according to the table below to the specifications described in the VAP-2/22 Contract. Contractor shall provide traffic control as required. Contractor shall provide the completed DWC Valve Data Worksheet and Work Checklist per each assessment as attached in the Appendix of the Contract and shall provide images of each valve/actuator.

Asset #	Pipeline	Station	Village	Location	Remotely Operated Valve	VALVE SIZE	VALVE MAKE	VALVE MODEL	ACTUATOR MAKE	ACTUATOR MODEL
11287	90"					84"	MASTERGEAR	MTF/ T-30	MASTERGEAR	MTF/ T-30
11288	90"					84"	MASTERGEAR	MTF/ T-30	MASTERGEAR	MTF/ T-30
11289	90"					84"	MASTERGEAR	MTF/ T-30	MASTERGEAR	MTF/ T-30
11308	TN-1/88					30"	PRATT	TRITON-XR 70	PRATT	MDT-5
11318	TNW-1/88					54"	PRATT	TRITON-XR	PRATT	MDT 6S BURIED SERVICE NUT
11319	TNW-1/88					54"	PRATT	TRITON-XR	PRATT	MDT 6S BURIED SERVICE NUT
11321	TNW-1/88					48"	PRATT	TRITON-XR	PRATT	MDT 5S BURIED SERVICE NUT
11324	TNW-1/88					48"	PRATT	TRITON-XR	PRATT	MDT 5S BURIED SERVICE NUT
11373	TS-3/88					48"	PRATT	TRITON-XR	PRATT	MDT 5S BURIED SERVICE NUT
11374	TS-3/88					54"	PRATT	TRITON-XR	PRATT	MDT 6S BURIED SERVICE NUT
11387	TSW D-87 1					72"	PRATT	TRITON-XR	EIM	WB65
12171	yard piping				ROV	72"	PRATT	TRITON-XR	EIM	MGKK-3, MG-05
13082	yard piping					72"	PRATT	TRITON-XR	EIM	WB66
21696	yard piping					72"	PRATT	TRITON-XR	EIM	WB66
11391	TSW D-87 1					60"				
11393	TSW D-87 1					60"				
12166	TN-1/88				ROV	36"	PRATT	TRITON-XR 70	EIM	WB51
12172	TNW-1/88				ROV	72"	PRATT	TRITON-XR	LIMITORQUE	H6BC BURIED SERVICE NUT
12173	TNW-1/88				ROV	72"	PRATT	TRITON-XR	LIMITORQUE	H6BC BURIED SERVICE NUT
12176	TNW-1/88				ROV	54"	PRATT	TRITON-XR	LIMITORQUE	H5BC BURIED SERVICE NUT
12183	TSW D-87 1				ROV	60"				
12191	TNW-1/88				ROV	48"	PRATT	TRITON-XR	LIMITORQUE	H4BC BURIED SERVICE NUT
12193	90"				ROV	84"	MASTERGEAR	MTF/ T-30	MASTERGEAR	MTF/ T-30
21372	yard piping									
21373	yard piping					84"	OLSON TECHNOLOGIES	B150	LIMITORQUE	L120/T575
21374	yard piping					84"	OLSON TECHNOLOGIES	B150	LIMITORQUE	L120/T575

**REASON FOR WORK:**

DWC would like to evaluate each valve for proper function and identify necessary maintenance activities, if any.

**MINIMUM RESPONSE TIME:**

Complete work by April 15<sup>th</sup>, 2022.

**COMMISSION-SUPPLIED MATERIALS, EQUIPMENT AND SUPPLIES TO BE INCORPORATED INTO THE WORK:** None

**THE WORK ORDERED PURSUANT TO THIS WORK AUTHORIZATION ORDER**

IS  IS NOT APPROVED FOR OVERTIME WORK

**SUBMITTALS REQUESTED:** None

**SUPPLEMENTARY NOTIFICATION OF POTENTIALLY HAZARDOUS CONDITIONS:**

As noted in VAP-2/22.

**SUPPLEMENTARY CONTRACT SPECIFICATIONS AND DRAWINGS:**

See attached Map Book.

**DUPAGE WATER COMMISSION**

By: \_\_\_\_\_  
Signature of Authorized Representative

DATE: \_\_\_\_\_

**CONTRACTOR RECEIPT ACKNOWLEDGED AND DESIGNATION OF SAFETY REPRESENTATIVE:**

By: \_\_\_\_\_  
Signature of Authorized Representative

Safety Rep: \_\_\_\_\_  
Name and 24-Hr Phone No.

DATE: \_\_\_\_\_



**Resolution #:** R-76-22

**Account:** 01-60-722200

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



## REQUEST FOR BOARD ACTION

**Date:** 11/10/2022

**Description:** **A Resolution Awarding the Influent, Effluent, and 72" Meter Buildings Coatings Rehabilitation Contract (Contract PSD-11/22)**

**Agenda Section:** Engineering & Construction

**Originating Department:** Engineering

In furtherance of the Pipe Coatings Rehabilitation project, as suggested by an Engineer's recommendation in the 2014/2015 Condition Assessment and included in the FY-22/23 Management Budget as a Capital Improvement Project, staff desires to commence the comprehensive coatings rehabilitation program. Each year the Commission, would like to recoat process piping and support structures at the DuPage Pumping Station and various metering stations within the waterworks system. In many cases, the coating on the pipe is approximately 30 years old and is starting to show signs of failure. To begin this program, staff recommends recoating critical large diameter (up to 84") piping within the Influent, Effluent, and 72" Meter buildings at the DuPage Pumping Station. Contract PSD-11/22 is a lump sum contract to perform abrasive blasting and apply an Insulated Coating System to the pipelines and an epoxy coating on the support structures within these buildings.

As required by state statute, the Commission advertised for bids on two separate occasions in the Chicago Tribune and The Daily Herald, posted the advertisement on the DWC website, and directly solicited bids from experienced contractors which specialize in coating rehabilitation work. Sealed bids were received until 1:00 p.m., local time, November 7th, 2022, at which time all bids were publicly opened and read aloud.

Of the four contractors who examined the bidding documents prior to the bid opening, three submitted a proposal. The bid tabulation is below.

Company	Proposal
G.P. Maintenance Services, Inc.	\$440,000
Era-Valdivia Contractors, Inc.	\$455,000
Tecorp, Inc.	\$839,720

All bids received were reviewed by staff and the Engineer and found to have met the requirements of the bidding documents.

The proposal of G.P. Maintenance Services, Inc., as determined by Staff and the Engineer, was found to be in the best interest of the Commission. As such, Staff is recommending that the contract be awarded to G.P. Maintenance Services, Inc. for the total Contract Price of \$440,000.

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**Recommended Motion:**

To Approve Resolution No. R-76-22.

**DuPAGE WATER COMMISSION**

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**RESOLUTION NO. R-76-22**

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**A RESOLUTION AWARDING THE INFLUENT, EFFLUENT, AND 72" METER BUILDINGS COATINGS REHABILITATION CONTRACT (CONTRACT PSD-11/22)**

WHEREAS, bids for Contract PSD-11/22: The Influent, Effluent, and 72" Meter Buildings Coatings Rehabilitation Contract were received on November 7, 2022; and

WHEREAS, the DuPage Water Commission has reviewed the proposals received and determined that the proposal of G.P. Maintenance Services, Inc., was the most favorable to the interests of the Commission;

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

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

SECTION TWO: The DuPage Water Commission hereby awards Contract PSD-11/22: The Influent, Effluent, and 72" Meter Buildings Coatings Rehabilitation Contract to G.P. Maintenance Services, Inc., in the amount of \$440,000.00, conditioned upon the receipt of all contractually required documentation and such other additional information that may be requested by the General Manager of the Commission in accordance with the Bid Package that is acceptable to the DuPage Water Commission.

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

	Aye	Nay	Absent	Abstain
Bouckaert, D.				
Broda, J.				
Fennell, J.				
Gans, R.				
Gustin, P.				
Healy, J.				
Novotny, D.				
Pruyn, J.				
Rush, K.				
Russo, D.				
Saverino, F.				
Suess, P.				
Zay, J.				

ADOPTED THIS \_\_\_ DAY OF \_\_\_\_\_, 2022.

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

ATTEST:

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

**PSD-11/22 BID TABULATION**

**NOVEMBER 7TH AT 1PM BID OPENING**

	Tecorp, Inc.	GP Maintenance Services	Era-Valdivia
Line Item 1	126,000	60,000	95,000
Line Item 2	357,760	180,000	102,000
Line Item 3	82,000	20,000	45,000
Line Item 4	87,760	80,000	108,000
Line Item 5	37,000	10,000	20,000
Line Item 6	112,200	80,000	75,000
Line Item 7	37,000	10,000	10,000
TOTAL	839,720	440,000	455,000
Addendum 1	X	X	X
Bid Bond	X	X	X
Letter Insurance	no letter	X	X
Letter Bonds	no letter	X	X
Signatures	X	X	X