



AGENDA – Engineering and Construction Committee

Thursday, May 18, 2023 6:00 PM

Committee Members

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

- I. Roll Call
- II. Approval of the April 20, 2023, Engineering & Construction Committee Minutes

RECOMMENDED MOTION: To approve the Minutes of the April 20, 2023, Rescheduled Engineering & Construction Committee Meeting of the DuPage Water Commission.

- III. Report of Status of Operations and Construction
- IV. **Resolution No. R-19-23:** A Resolution to Authorize the Purchase and Installation of Two (2) Custom Fabric Storage Structures **(Not-To-Exceed Cost of \$70,000.00)**
- V. **Resolution No. R-20-23:** A Resolution Approving and Ratifying Certain Task Orders Under a Master Contract with Donohue and Associates for Design Services for ROV10A and MS19B Improvements **(Task Order No. 01 - Estimated Not-To-Exceed \$75,000.00)**

RECOMMENDED MOTION: To recommend approval of Items 2 and 3 of the Engineering and Construction Committee portion of the Commission Agenda.

- VI. Other
 - a. Waterlink Communities (Montgomery, Oswego, and Yorkville) Status Update
 - b. Redundancy Projects discussion
 - c. New Position – Manager of Engineering and Capital Improvement Program
- VII. Adjournment

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**Minutes of a Meeting
of the Rescheduled**

ENGINEERING & CONSTRUCTION COMMITTEE

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

April 20, 2023

Chairman Fennell called the meeting to order at 5:45 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, D. Panaszek and M. Weed

Commissioner Bouckaert moved to approve the Minutes of the March 16, 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 Action Items on the Engineering and Construction Committee portion of the Commission Agenda and also ongoing maintenance and repair activities as listed in the Report of Status of Construction/Operations as well as the status of Capital Improvement projects.

Regarding R-13-23, Manager of Water Operations Bostick advised the Committee that approval and ratification of Task Order No. 07 with DeLasCasas CP, LLC would authorize the consultant to perform the Annual 2023 Test Point and Close Interval Survey on approximately 85%, or roughly 170 miles, of the pipeline distribution system at a cost not to exceed \$70,000.00.

Regarding R-14-23, Manager of Water Operations Bostick advised the Committee that approval and ratification of Work Authorization Order No. 018 under Contract QR-12/21 with Benchmark Construction Co. Inc. would authorize the contractor to install new cathodic protection systems to mitigate stray current emanated from a 36" Nicor gas main to ensure the Commission's 72" diameter steel water mains meets current cathodic protection standards by adding galvanic anode beds in multiple areas across the steel pipelines at an estimated cost of \$92,500.00.

Regarding R-17-23, Manager of Water Operations Bostick advised the Committee that approval and ratification of the First Amendment to Task Order No. 02 with Dixon Engineering would authorize for additional Resident Engineering Services and Hold-Point Inspections for PSD-11/22, Influent, Effluent, and 72" Meter Buildings Coatings Rehabilitation Contract. Manager of Water Operations Bostick reported that at the time of developing the initial task order, the coatings manufacturer implied the coatings could be applied in fewer coats but has later revised the number of coats required to achieve the desired thickness of the insulative coating. The First Amendment would provide for the Engineer to be onsite during each additional application of the insulative coating at an additional cost of \$20,000.00 revising the total cost not to exceed \$58,600.00 for engineering services.

Regarding R-18-23 Manager of Water Operations Bostick advised the Committee that approval and ratification of Work Authorization Order No. 019 under Contract QR-12/21 with Rossi Contractors, Inc. would authorize the contractor to replace six (6) 16" diameter pipe couplings in six separate meter stations that are severely corroded and in some cases are seeping water at an estimated cost of \$30,600.14.

Manager of Water Operations Bostick advised the Committee that AECOM and Staff are nearly complete with a Condition Assessment of the Lexington Pump Station. Manager of Water Operations Bostick reported on some generalized findings thus far and advised the full compiled report should be available in the next several months.

Manager of Water Operations Bostick advised the Committee that Carollo Engineers has completed and issued a draft technical report on various aspects of potential alternate sources of Lake Water for the Commission and that the Carollo team is on site to provide an overview of their findings to the full Board later in the evening.

Manager of Water Operations Bostick reported that the SCADA System contract is ongoing with Control Room remodeling underway as well as several project workshops which continue to coordinate and develop the SCADA system graphics, programming, reporting and security.

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 5 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. Hearing none, and with no other items coming before the Committee, Commissioner Bouckaert moved to adjourn the meeting at 5:55 P.M. Seconded by Commissioner Novotny and unanimously approved by a Voice Vote.



MEMORANDUM

To: Paul May – General Manager

From: Chris Bostick – Manager of Water Operations

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

Date: 5/11/2023

Subject: Status of Operations and Construction

Operations Overview

The Commission's sales for the month of April 2023 were a total of 1.97 billion gallons. This represents an average daily demand of 65.5 million gallons per day (MGD), which is higher than the April 2022 average day demand of 64.9 MGD. The maximum day demand was 69.5 MGD recorded on April 13, 2023, which is lower than the April 2022 maximum day demand of 70.5 MGD. The minimum day flow was 59.8 MGD.

The Commission's recorded total precipitation for the month of April 2023 was 2.98 inches compared to 3.87 inches for April 2022. The level of Lake Michigan for April 2023 is 579.27 (Feet IGLD 1985) compared to 579.56 (Feet IGLD 1985) for April 2022.

Operations & Instrumentation Maintenance and Construction Overview

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

The start-up of newly installed water quality monitoring equipment at various locations throughout the distribution system is ongoing. Currently, 3 units are active and monitoring, 6 units are scheduled for start-up on May 16th, and an additional 6 units are on order.

Lexington Pump Station

AECOM Technical Services and Staff have nearly completed a comprehensive Condition Assessment of the Lexington Pump Station's critical facilities and the draft final report is due by late May. Tentatively, a report to the Committee will be delivered at the June meeting. While the City of Chicago maintains operational control over Lexington Pump Station, the Commission, under an Enhanced Maintenance Agreement with the City as approved in 2007, is responsible for initially financing and managing capital improvements at the facility with reimbursement by the City for 50% of the costs through water credits. As the singular most critical piece of infrastructure required to deliver Lake Michigan water to Commission Customers, it is necessary for the Commission to insure the City's proper operation and maintenance of the facility.

Pipeline & Remote Facilities Maintenance and Construction Overview

Pipeline Staff has completed the annual transmission and distribution system valve exercising program and has commenced blow-off valve exercising and structure inspections.

Remote Facilities Staff has commenced the annual meter station inspection, maintenance and corrective work programs.

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

The annual Test Point and Close Interval Survey for the pipeline transmission and distribution system, by contract, is scheduled to begin at the end of May. Staff anticipates completing approximately 85%, or roughly 170 miles of pipeline this year.

Over the past year, DWC Staff has performed a thorough review of transmission and distribution system isolation valve locations and their impact on Commission Customers. Staff has determined the current placement of the isolation valves, in many cases, when operated to isolate a pipe node will effectively curtail delivery of water to two or more of a single customer's multiple connection points or in some cases multiple connection points to multiple customers. Staff are drafting a policy statement regarding system resiliency and redundancy for Board consideration. In the meantime, R-20-23 appears on the agenda seeking partial approval of Task Order No. 01 with Donohue and Associates to begin design services related to necessary improvements to ROV10A, while delaying requests for approval for any distribution system improvements associated with resiliency and redundancy on the Northwest Transmission Main in the vicinity of Meter Station 19B.

Engineering & Capital Improvement Program Overview

Raftelis, Inc. developed a Cost-of-Service Study in advance of contract negotiations with the City of Chicago regarding the Water Purchase and Sale Agreement. The City of Chicago had issued a partial response to the first round of questions generated by Raftelis and Raftelis and Staff have responded with a series of follow-up questions and data requests for the City to answer.

Carollo Engineers presented the executive draft version of their report to the Board regarding various potential alternate sources of Lake Water for the Commission. Staff anticipates several additional informational presentations for the Board in the near future.

The Pumping Station Drainage Improvement project is completed with the exception of final restoration. Due to the severe corrosion conditions found on the 72" discharge piping during the excavation, the remediation of the corrosion will result in significantly higher costs over and above the previously authorized cost estimate and will require Board ratification at the June meeting.

The DPPS Emergency Generation System Modifications (Contract PSD-10/22) project is ongoing. The project is currently on hold from supply chain delays in receiving structural glazed block. The structural glazed block manufacturer has become non-responsive. Due to this, DWC tentatively approved a change to use concrete masonry block in lieu of the glazed block.

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

Schneider Electric, the Building Automation System (BAS) upgrade contractor has completed the installation of upgraded HVAC network controllers and programming in the Pump Station and Generator Facilities. The contractor is still working to install new Lighting Controls in the Generator Facilities.

Johnson Controls has completed the rooftop chiller replacements and are fully functional.

The coating rehabilitation of piping in the Influent, Effluent, and 72" Meter Buildings is ongoing. The contractor has finished applying insulative coatings to the 84" diameter pipe in the Effluent Buildings and is working to complete application of the coating in the 72" Meter Building and the Reservoir Influent Building.

Benchmark has finished installing galvanic anode beds across the 72" pipeline from Chicago to mitigate stray current from the CTA. DelasCasas, CP has completed the commissioning and testing indicates the anode beds are functioning as intended.

R-19-23 appears on the agenda seeking authorization for the General Manager to issue a Purchase Order to Big Top Manufacturing to provide and install two (2) custom fabric structures to protect certain equipment and materials from certain weather elements.

WaterLink Communities (Montgomery/Oswego/Yorkville)

Engineering qualifications were received from four (4) potential firms to perform Phase I Engineering Services to design the 27 plus miles of transmission and feeder water mains necessary to serve the WaterLink Communities. With input from the Communities, three (3) firms were short listed for in-person

presentations and interviews scheduled for May 18th. Upon completion of the interviews, a single firm will be selected to present their scope and fees which will be negotiated and presented to the Board for consideration, tentatively scheduled for June 15th. Also tentatively scheduled for June 15th is the presentation of the Intergovernmental Escrow Agreements with the WaterLink Communities which will enable the funding mechanisms for costs of the pipeline designs.

SCADA & Information Technology Overview

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

May 2023 Commission Agenda Items:

Resolution No. R-19-23: A Resolution to Authorize the Purchase and Installation of Two (2) Custom Fabric Storage Structures **(Not-To-Exceed Cost of \$70,000.00)**

Resolution No. R-20-23: A Resolution Approving and Ratifying Certain Task Orders Under a Master Contract with Donohue and Associates for Design Services for ROV10A and MS19B Improvements **(Task Order No. 01 - Estimated Not-To-Exceed \$75,000.00)**

Attachments

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

DUPAGE WATER COMMISSION
PWS FACILITY ID# - IL435400
MONTHLY OPERATIONS REPORT
DUPAGE WATER COMMISSION LABORATORY BENCH SHEET RESULTS
APRIL 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 | 1.43 | 0.06 | 0.57 | 1.38 | 0.10 | 50 | 7.3 | 0.8 | 0.59 | 0 | BM |
| 2 | 1.40 | 0.07 | 0.61 | 1.38 | 0.09 | 49 | 7.3 | 0.7 | 0.60 | 0 | BM |
| 3 | 1.39 | 0.09 | 0.58 | 1.37 | 0.09 | 48 | 7.3 | 0.7 | 0.58 | 0 | AM |
| 4 | 1.37 | 0.07 | 0.59 | 1.35 | 0.09 | 49 | 7.4 | 0.7 | 0.60 | 0 | AM |
| 5 | 1.39 | 0.08 | 0.60 | 1.39 | 0.09 | 49 | 7.4 | 0.7 | 0.60 | 0 | BM |
| 6 | 1.40 | 0.06 | 0.57 | 1.35 | 0.08 | 49 | 7.3 | 0.7 | 0.59 | 0 | BM |
| 7 | 1.48 | 0.07 | 0.60 | 1.35 | 0.07 | 50 | 7.3 | 0.7 | 0.60 | 0 | BM |
| 8 | 1.46 | 0.07 | 0.61 | 1.39 | 0.09 | 49 | 7.3 | 0.7 | 0.62 | 0 | KD |
| 9 | 1.46 | 0.06 | 0.61 | 1.32 | 0.07 | 46 | 7.2 | 0.6 | 0.62 | 0 | KD |
| 10 | 1.40 | 0.06 | 0.59 | 1.33 | 0.07 | 48 | 7.3 | 0.7 | 0.61 | 0 | BM |
| 11 | 1.47 | 0.07 | 0.60 | 1.37 | 0.07 | 48 | 7.3 | 0.8 | 0.58 | 0 | BM |
| 12 | 1.42 | 0.07 | 0.61 | 1.35 | 0.08 | 48 | 7.3 | 0.7 | 0.60 | 0 | KD |
| 13 | 1.34 | 0.08 | 0.62 | 1.28 | 0.09 | 47 | 7.3 | 0.7 | 0.58 | 0 | KD |
| 14 | 1.41 | 0.08 | 0.60 | 1.38 | 0.09 | 48 | 7.0 | 0.7 | 0.63 | 0 | KD |
| 15 | 1.39 | 0.07 | 0.59 | 1.34 | 0.09 | 48 | 7.1 | 0.7 | 0.61 | 0 | KD |
| 16 | 1.42 | 0.07 | 0.59 | 1.40 | 0.09 | 48 | 7.2 | 0.8 | 0.58 | 0 | AM |
| 17 | 1.23 | 0.08 | 0.62 | 1.16 | 0.09 | 49 | 7.4 | 0.7 | 0.59 | 0 | KD |
| 18 | 1.35 | 0.06 | 0.62 | 1.22 | 0.08 | 50 | 7.2 | 0.7 | 0.61 | 0 | KD |
| 19 | 1.35 | 0.05 | 0.57 | 1.27 | 0.08 | 51 | 7.3 | 0.8 | 0.57 | 0 | RC |
| 20 | 1.38 | 0.06 | 0.56 | 1.25 | 0.08 | 52 | 7.2 | 0.8 | 0.60 | 0 | RC |
| 21 | 1.28 | 0.07 | 0.64 | 1.42 | 0.06 | 51 | 7.2 | 0.8 | 0.54 | 0 | RC |
| 22 | 1.31 | 0.06 | 0.62 | 1.29 | 0.07 | 52 | 7.2 | 0.8 | 0.57 | 0 | KD |
| 23 | 1.39 | 0.07 | 0.62 | 1.25 | 0.08 | 51 | 7.4 | 0.8 | 0.56 | 0 | BM |
| 24 | 1.35 | 0.07 | 0.62 | 1.25 | 0.07 | 53 | 7.1 | 0.7 | 0.64 | 0 | KD |
| 25 | 1.40 | 0.07 | 0.58 | 1.31 | 0.11 | 54 | 7.1 | 0.6 | 0.63 | 0 | KD |
| 26 | 1.26 | 0.07 | 0.58 | 1.24 | 0.10 | 53 | 7.1 | 0.7 | 0.64 | 0 | KD |
| 27 | 1.35 | 0.07 | 0.59 | 1.20 | 0.10 | 53 | 7.1 | 0.8 | 0.59 | 0 | KD |
| 28 | 1.37 | 0.07 | 0.58 | 1.22 | 0.09 | 53 | 7.1 | 0.7 | 0.62 | 0 | KD |
| 29 | 1.35 | 0.07 | 0.59 | 1.25 | 0.09 | 54 | 7.2 | 0.7 | 0.60 | 0 | KD |
| 30 | 1.37 | 0.07 | 0.60 | 1.35 | 0.08 | 54 | 7.3 | 0.8 | 0.54 | 0 | AM |

| | | | | | | | | | | |
|------|------|------|------|------|------|----|-----|-----|------|---|
| AVG. | 1.38 | 0.07 | 0.60 | 1.31 | 0.08 | 50 | 7.2 | 0.7 | 0.60 | 0 |
| MAX. | 1.48 | 0.09 | 0.64 | 1.42 | 0.11 | 54 | 7.4 | 0.8 | 0.64 | 0 |
| MIN. | 1.23 | 0.05 | 0.56 | 1.16 | 0.06 | 46 | 7.0 | 0.6 | 0.54 | 0 |



Mike Weed, Operations Supervisor

Illinois ROINC # 186860234

5/11/23

Date

DU PAGE WATER COMMISSION
WATER SALES ANALYSIS

01-May-92 TO 30-Apr-23

PER DAY AVERAGE 78,045,438

| 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 |
| TOTALS (1) | 883,630,447,798 | 909,161,875,990 | 97.19% | \$2,142,390,840.27 | \$1,895,431,737.22 | 861,572,140 | 0.09% | 97.29% | \$2.42 | \$2.085 |

(1) - SINCE MAY 1, 1992

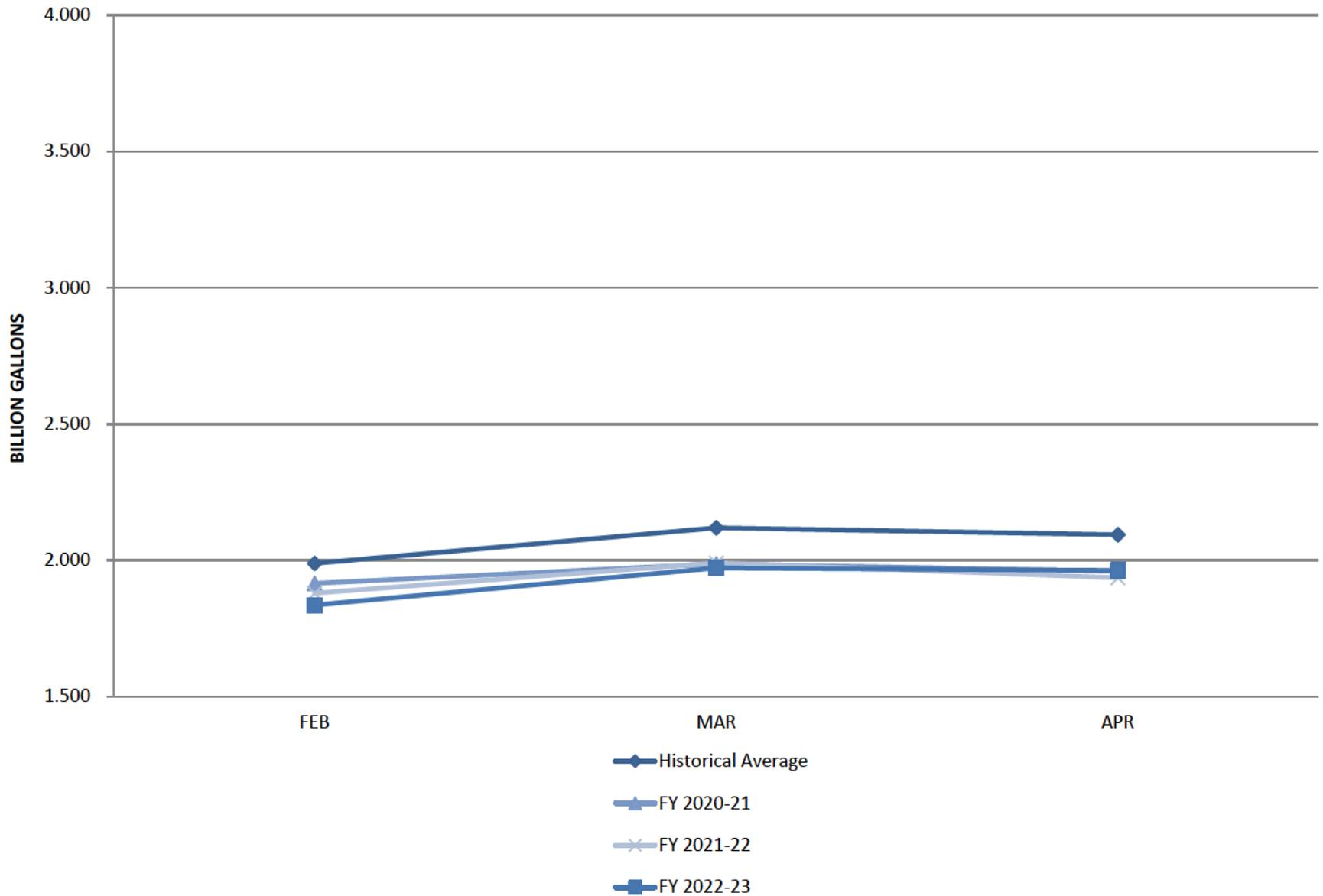
(2) - REPRESENTS DU PAGE PUMP STATION, METER TESTING AND CONSTRUCTION PROJECT USAGE

(3) - DOES NOT INCLUDE FIXED COST PAYMENTS

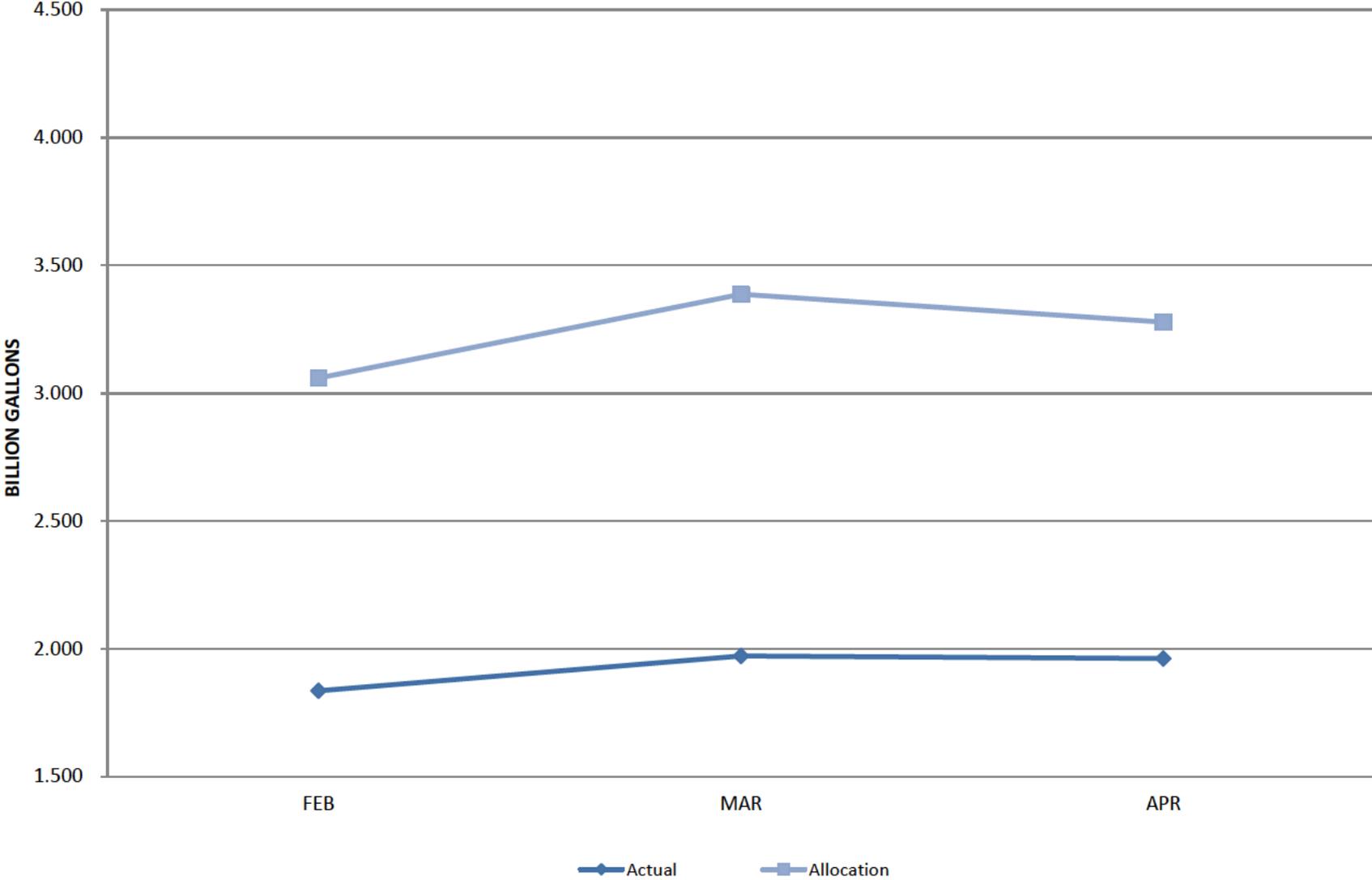
YTD

| | | | | | | | | | | |
|-----------|----------------|----------------|--------|-------------|-------------|--|--|--|--------|---------|
| Apr-22 | 26,819,331,000 | 27,636,530,891 | 97.04% | 133,292,075 | 113,646,328 | | | | \$4.97 | \$4.112 |
| Apr-23 | 26,796,006,000 | 27,559,639,346 | 97.23% | 138,803,311 | 118,629,819 | | | | \$5.18 | \$4.304 |
| | (23,325,000) | (76,891,545) | | \$5,511,236 | \$4,983,491 | | | | | |
| | -0.1% | -0.3% | | 4.1% | 4.4% | | | | | |
| Month | | | | | | | | | | |
| Apr-22 | 1,935,992,000 | 1,981,414,298 | 97.71% | 9,621,880 | 8,155,501 | | | | \$4.97 | \$4.116 |
| Apr-23 | 1,962,197,000 | 2,010,451,747 | 97.60% | 10,164,180 | 8,689,172 | | | | \$5.18 | \$4.322 |
| | 26,205,000 | 29,037,449 | | \$542,300 | \$533,671 | | | | | |
| | 1.4% | 1.5% | | 5.6% | 6.5% | | | | | |
| Apr>March | (9,777,000) | (15,805,944) | | (50,645) | (68,281) | | | | | |

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





Resolution #: R-19-23

Account: 01-60-722200, \$70,000.00

Approvals: *Author / Manager / Finance / Admin*

D.P. RCB CAP PDM

REQUEST FOR BOARD ACTION

Date: 5/11/2023

Description: To Authorize the Purchase and Installation of Two (2) Custom Fabric Storage Structures.

Agenda Section: Engineering & Construction

Originating Department: Pipeline

Commission staff is recommending the purchase and installation of two fabric structures to store spare parts and materials out of the direct effects of sun, rain, and snow. Protected storage will allow for greater longevity and cost-effective, functional, and dependable protection of these stored materials.

In accordance with Purchasing Procedures, staff solicited cost estimates for the two (2) custom fabric storage structures, including delivery and installation from three (3) fabricators. The results are listed in the table below:

| Company | Purchase and Installation Cost |
|------------------------|--------------------------------|
| Clear Span Co. | \$63,686.96 |
| Big Top Manufacturing | \$67,050.00 |
| Edge Innovations, Inc. | \$80,180.58 |

Clear Span Co. submitted the lowest price proposal but is not able to provide stamped structural engineering documentation for their proposed units, therefore staff is recommending the Commission authorize the General Manager to procure the fabric storage structures, including installation and engineering documentation, from Big Top Manufacturing for a cost not exceed \$70,000.00 to include any incidental items necessary to install fully functional units.

Recommended Motion:

To Authorize the General Manager To Purchase and Install Two (2) Custom Fabric Storage Structures from Big Top Manufacturing.

DUPAGE WATER COMMISSION

RESOLUTION NO. R-19-23

**A RESOLUTION APPROVING THE PURCHASE AND INSTALLATION OF
CUSTOM FABRIC STORAGE STRUCTURES**

WHEREAS, the DuPage Water Commission received proposals from three (3) supply and installation companies for two (2) Custom Fabric Storage Structures; and

WHEREAS, the lowest cost proposal was unable to provide requisite structural engineering certifications; and

WHEREAS, the second lowest proposal, from Big Top Manufacturing, included all requisite structural engineering certifications within their proposal in the amount of \$67,050.00; and

WHEREAS, the Board of Commissioners of the DuPage Water Commission, based upon the representations of Staff, believes it is in the best interest of the Commission to accept the proposal of Big Top Manufacturing;

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: The General Manager is hereby authorized to purchase two (2) new Custom Fabric Storage Structures from Big Top Manufacturing in an amount not to exceed \$70,000.00 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. | | | | |
| Rush, K. | | | | |
| Russo, D. | | | | |
| Saverino, F. | | | | |
| Suess, P. | | | | |
| Van Vooren, D. | | | | |
| Zay, J. | | | | |

ADOPTED THIS _____ DAY OF _____, 2023.

James Zay, Chairman

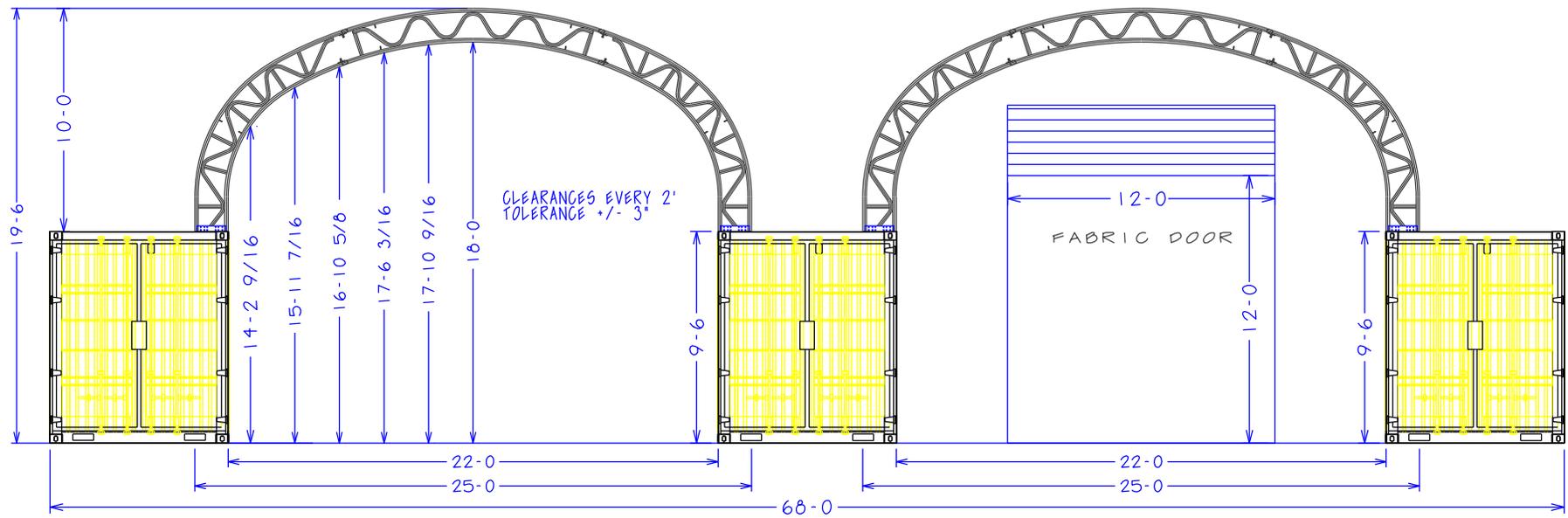
ATTEST:

Danna Mundall, Clerk

EXHIBIT 1

PROPOSAL DRAWING
NOT FOR CONSTRUCTION

EXHIBIT 1



STORAGE CONTAINERS BY OTHERS

SIGNED:
DATE:

| |
|-------------------------|
| DRAWN BY: ADRIAN PETERS |
| DATE: |
| VIEW: |
| REQUESTED BY: |
| ENGINEER: |

| |
|---|
| DUPAGE WATER COMMISSION |
| ATOP HI-CUBE CONTAINERS |
| 25 X 39.5 X 10 |
| *ALL INFORMATION IS PROPERTY OF BIG TOP MANUFACTURING |



3255 N. US 19
PERRY, FLORIDA 32347
PHONE 1-800-277-8677
FAX (850)584-7713
E-MAIL: sales@bigtopshelters.com



Resolution #: R-20-23

Account: 01-60-771000 - \$75,000.00

Approvals: *Author / Manager / Finance / Admin*

RCB RCB CAP PDM

REQUEST FOR BOARD ACTION

Date: 5/11/2023

Description: A Resolution Approving and Ratifying Certain Task Orders Under a Master Contract with Donohue and Associates for Design Services for ROV10A and MS19B Improvements

Agenda Section: Engineering & Construction

Originating Department: Operations

In 2013, the Commission entered into Master Contracts with several consulting firms for professional engineering services including Baxter and Woodman; Christopher Burke Engineering Ltd. (CBBEL); Crawford, Murphy and Tilly; Donohue and Associates. Robinson Engineers entered into a Master Task Order agreement in 2018. Each firm provided their qualifications of which engineering disciplines they would be interested in providing for the Commission.

Using this listing as a guide, staff requested proposals from five (5) of these firms for Design Services in conjunction with the project known as Engineering for ROV10A and MS19B Improvements. The following firms were solicited for proposals: Baxter and Woodman; Christopher Burke Engineering Ltd. (CBBEL); Crawford, Murphy and Tilly; Donohue and Associates; and, Robinson Engineers.

Of the five (5) proposals sent, the Commission received only two (2) responses; CBBEL and Donohue and Associates. Of the two proposals reviewed by staff and based on the strength of their submittal (project understanding, project approach, schedule, and team), and their cost proposal as delineated in the table below:

Christopher Burke Engineering Ltd. \$92,160.00

Donohue and Associates \$75,000.00

Therefore, Staff recommends acceptance of the proposal submitted by Donohue and Associates as the most favorable to the Commission, in the amount of \$75,000.00, however Staff is recommending the approval of only the subtask regarding ROV10A until such time the Board is presented with and approves a policy regarding transmission system resiliency and redundancies.

Recommended Motion: To adopt Resolution R-20-23

DuPAGE WATER COMMISSION

RESOLUTION NO. R-20-23

A RESOLUTION APPROVING AND RATIFYING CERTAIN TASK ORDERS UNDER A MASTER CONTRACT WITH DONOHUE AND ASSOCIATES FOR DESIGN SERVICES FOR ROV10A AND MS19B IMPROVEMENTS

WHEREAS, the DuPage Water Commission (the "Commission") entered into a contract with Donohue and Associates (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, the Consultant has approved the Task Orders substantially in the form as attached hereto and by this reference incorporated herein and made a part hereof as Exhibit 1 (the "Task Orders");

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

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

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

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

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

ADOPTED THIS _____ DAY OF _____, 2023.

James Zay, Chairman

ATTEST:

Danna Mundall, Clerk

Board/Resolutions/2022/R-20-23.docx

EXHIBIT 1

TASK ORDER NO. 01

In accordance with Section 1.1 of the Master Contract for Professional Engineering Services, Dated May 16, 2013, Owner and Consultant agree as follows:

1. **Project:**

Design, bidding and construction phase services in connection with the improvements to the Commission's ROV 10A and Meter Station 19B Improvements ("The Work"), located in DuPage County, based upon the Donohue and Associates, Inc. proposal dated March 3, 2023.

2. **Services of Consultant:**

A. Basic Services:

1. Preliminary Design Phase.

- a. Meet with Owner to determine the general scope, extent and character the Project.
- b. Perform site surveys, prepare drawings, technical and bidding specifications and detailed final engineering opinion of probable cost for construction of each of the improvements.
- c. Conduct field meetings, staff interviews and site investigations as needed to determine the technical requirements as well as the technical feasibility and overall impact to Commission operations of the intended improvements. The Consultant shall tailor the design and resulting construction documents as needed to respond to any site and/or operational limitations.
- d. Review the draft construction documents with Commission staff and regulatory agencies at 30%, 60% and 90% and completion stages in order to obtain feedback and refine the Final Bidding documents.

2. Final Design Phase.

- a. On basis of accepted Preliminary Design Documents and the revised opinion of probable Project Costs and Construction Cost of the Project, prepare, final drawings, and specifications for incorporation in the construction contract documents. Such drawings and specifications shall show the general scope, extent and character of the work to be furnished and performed by the construction contractor.
- b. Prepare permit applications and submit documents for permit to all affected regulatory agencies and make all corrections required by those agencies prior to the solicitation of bids.

- c. Furnish paper copies of the drawings and specifications, and a Portable Document Files (PDF) together with Consultant's revised opinion of probable Construction Cost of the Project, based upon the drawings and specifications and the other bidding/negotiation and construction contract documents, for review and approval by Owner, and review them in person with Owner.
 - d. Development of bidding/contract documents is not required.
3. Bidding Phase.
- a. Assist plan holders with any questions and/or problems encountered during the Bid period, prepare addenda to bidding documents as required and attend a pre-bid meeting to describe the scope of work and address questions.
 - b. Obtain copies of all bids received, review all bids, contact bidder references and submit written recommendations to the Owner for contract award.
4. Construction Phase.
- a. Prepare and distribute Construction Documents including incorporation of any bidding addenda and/or alternate bid item selections.
 - b. Attend pre-construction meeting, pre-installation meetings and at least weekly progress meetings during the project in order to ensure that the work is being performed in accordance with the Construction Documents. The Consultant shall prepare progress reports documenting and summarizing the construction activities.
 - c. Review and approve or take other appropriate action on Contractor submittals such as shop drawings, product data, samples and material approvals for conformance with the Construction Documents.
 - d. Review and respond to Contractor Requests for Information as required throughout the course of construction. The Consultant shall prepare Construction Clarifications and/or Change Orders with supporting documentation, drawings, instructions and data as needed.
 - e. Prepare and submit to the Commission electronic As-Built Documents including all documents created for project construction (AutoCAD, Version 2014 for drawings, PDF for drawings and

Microsoft Word for specifications).

B. Additional Services:

When authorized by a Change Order issued pursuant to Section 2.1 of the Contract.

3. **Approvals and Authorizations:** Consultant shall obtain the following approvals and authorizations:

None

4. **Commencement Date:**

Task 1-ROV 10A: May 19, 2023

***Task 2-Meter Station 19A: Commencement Date to be determined upon Board approval of a policy regarding transmission and distribution system resiliency and redundancy.**

5. **Completion Date:**

A.1 **Preliminary Design Phase:** 180 days following the Commencement Date plus extensions, if any, authorized by a Change Order issued pursuant to Section 2.1 of the Contract.

A.2 **Final Design Phase:** 30 days following issuance of Notice to Proceed by Owner plus extensions, if any, authorized by a Change Order issued pursuant to Section 2.1 of the Contract.

A.3 **Bidding Phase:** 45 days following issuance of Notice to Proceed by Owner plus extensions, if any, authorized by a Change Order issued pursuant to Section 2.1 of the Contract.

A.4 **Construction Services Phase:** 180 days following issuance of Notice to Proceed by Owner plus extensions, if any, authorized by a Change Order issued pursuant to Section 2.1 of the Contract.

6. **Submittal Schedule:**

To Be Determined

7. **Key Project Personnel:**

Jay Bielanski, PE, CESP

8. **Contract Price:**

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

| <u>Phase</u> | <u>ROV 10A</u> | <u>Meter Station 19A</u> <i>(approval TBD)</i> | <u>Phase Total</u> <u>Not to Exceed</u> |
|-------------------------|--------------------|--|--|
| Design Phase | \$21,062.00 | \$31,990.00 | \$53,052.00 |
| Bidding Phase | \$4,808.00 | \$0.00 | \$4,808.00 |
| Construction | \$17,140.00 | \$0.00 | \$17,140.00 |
| Total All Phases | \$43,010.00 | \$31,990.00 | \$75,000.00 |

9. **Payments:**

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

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

10. **Modifications to Contract:**

None

11. **Attachments:**

None

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

The Effective Date of this Task Order May 19, 2023.

DuPAGE WATER COMMISSION

By: _____

Paul D. May, P.E.
General Manager

DWC DESIGNATED REPRESENTATIVE FOR TASK ORDER:

Name: Dariusz Panaszek
Title: Pipeline and Remote Facilities Supervisor
Address: 600 East Butterfield Road, Elmhurst, Illinois 60126-4642
E-mail Address: panaszek@dpwc.org
Phone: (630) 834-0100
Fax: (630) 834-0120

DONOHUE & ASSOCIATES, INC.

By: _____

Craig W. Brunner
President

DONOHUE & ASSOCIATES, INC. DESIGNATED REPRESENTATIVE FOR TASK ORDER:

Name: Jay Bielanski, PE, CESC
Title: Senior Electrical Engineer
Address: 1755 Park St. Suite 310, Naperville, IL 60563
E-mail Address: jbielanski@donohue-associates.com
Phone: 630-687-8041