



DuPage Water Commission

600 E. Butterfield Road, Elmhurst, IL 60126-4642
(630)834-0100 Fax: (630)834-0120

AGENDA
ENGINEERING & CONSTRUCTION COMMITTEE
THURSDAY, SEPTEMBER 18, 2014
6:20 P.M.

COMMITTEE MEMBERS

D. Loftus, Chair
R. Furstenau
F. Saverino
M. Scheck
J. Zay

600 EAST BUTTERFIELD ROAD
ELMHURST, IL 60126

- I. Roll Call
- II. Approval of Committee Meeting Minutes

RECOMMENDED MOTION: To approve the Minutes of the August 21, 2014 Regular Engineering & Construction Committee Meeting of the DuPage Water Commission.

- III. Report of Status of Construction/Operations
 1. R-23-14: A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Electrical Contract QRE-6/12 (**WAO No. 11 to Divane Bros. Electric Company estimated not-to-exceed \$1,300.00, WAO No. 12 to McWilliams Electric Co., Inc. estimated not-to-exceed \$7,000.00, WAO No. 13 to McWilliams Electric Co., Inc. estimated not-to-exceed \$3,100.00, and WAO No. 14 to Divane Bros. Electric Co. estimated not-to-exceed \$3,400.00**)
 2. R-25-14: A Resolution Approving the Execution of a Settlement Agreement and Mutual General Release – Metra (**Metra to pay 50% cost share to the Commission in the amount of \$65,029.81**)
- IV. Discussion Items
 - A. Emergency Interconnections to the Commission's 90-Inch and 72-Inch Diameter Supply Lines.
- V. Old Business
- VI. Other
- VII. Adjournment

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All visitors must present a valid drivers license or other government-issued photo identification, sign in at the reception area and wear a visitor badge while at the DuPage Pumping Station.

**MINUTES OF A MEETING OF THE
ENGINEERING & CONSTRUCTION COMMITTEE
OF THE DuPAGE WATER COMMISSION
HELD ON THURSDAY, AUGUST 21, 2014
600 EAST BUTTERFIELD ROAD
ELMHURST, ILLINOIS**

The meeting was called to order at 6:20 P.M.

Committee members in attendance by roll call: D. Loftus, F. Saverino, M. Scheck and J. Zay (ex-officio)

Committee members absent: R. Furstenau

Also in attendance: C. Bostick, E. Kazmierczak, T. McGhee, J. Schori and M Weed

Commissioner Scheck moved to approve the Minutes of the June 19, 2014 Engineering & Construction Committee Meeting of the DuPage Water Commission. Motion seconded by Commissioner Saverino and passed as follows:

Ayes: D. Loftus, F. Saverino and M. Scheck

Nays: None

Absent: R. Furstenau

Commissioner Furstenau arrived at 6:24 PM.

Facilities Construction Supervisor Bostick provided an oral report highlighting the Status of Operations reports of July and August 2014;

Regarding DuPage Pump Station Facility Maintenance, Facilities Construction Supervisor Bostick advised the Committee that the Operation Department has completed the stator re-winding of High Lift Pump Motor #5 which has been re-installed and has been operating satisfactorily.

Facilities Construction Supervisor Bostick advised the Committee that Staff has conducted a preliminary kick-off meeting with AECOM to discuss methodology. An exchange of information is underway to help determine scope, schedule, and estimated project costs.

Regarding the York Township Water Facility, Facilities Construction Supervisor Bostick advised the Committee that the Contractor has been transmitting required documentation for review and approval albeit lacking in information and behind schedule. The County has requested the Contractor to pick up the pace of Contract Submittals and bring the the schedule back on track.

Regarding the Storage System Improvements, Facilities Construction Supervisor Bostick advised the Committee that all tank mixing systems are installed and operating. Also, Facilities Construction Supervisor Bostick advised that Standpipe Rehab specifications are being prepared in order to seek bids in Fall 2014 and begin structural and sandblasting elements in Spring 2015 followed by painting as soon as environmental conditions allow.

Facilities Construction Supervisor Bostick advised the Committee that Instrumentation/Remote Facilities Supervisor Schori is reporting that twenty-nine (29) Metering Station electrical panels have been upgraded as authorized by QRE-6.003.

Engineering Committee Minutes 08/21/2014

Regarding Document Management, Facilities Construction Supervisor Bostick advised that Staff continues migrating documents from Desksite to Sharepoint.

Facilities Construction Supervisor Bostick advised that Staff is working on an upgrade to the Infor Enterprise Asset Management (EAM) System. Completion is anticipated by the end of August.

Facilities Construction Supervisor Bostick advised the Committee that vacuum excavation services approved under R-18-14 is underway and progressing satisfactorily.

Regarding the previously reported pipe failure at the METRA rail line near Catalpa Lane in Itasca, Facilities Construction Supervisor Bostick advised the Committee that Staff and METRA have reached a proposed settlement and cost sharing agreement. Operations Manager McGhee advised that DWC's and METRA's legal counsels are reviewing the proposed terms and conditions and it appears to be near completion.

Regarding R-19-14, Facilities Construction Supervisor Bostick advised the Committee that Staff is seeking authorization to award the work to Rossi Contractors, Inc. in an estimated amount not to exceed \$184,000.00. Commissioner Furstenau questioned the means and methods under which the proposed work would be performed. Facilities Construction Supervisor Bostick advised the Committee that pavement replacement at the forty-six (46) different locations shall be done to the standards of each authority having jurisdiction. Chairman Loftus indicated that he had reviewed the proposed work against previous work and found the average unit cost in line with past similar work.

Regarding R-20-14, Facilities Construction Supervisor Bostick advised the Committee that Staff is seeking authorization to enter into a Master Task Order Agreement with Westin Engineering, Inc. If approved, Westin would be added to the list of pre-qualified of professional Engineering firms for work to be assigned from time to time as authorized by the Commission.

Chairman Loftus inquired with the Committee if there were any questions regarding the action items. Hearing none, Commissioner Scheck moved to recommend approval of items 2 and 3 of the Engineering and Construction Committee items of the Commission Agenda. Seconded by Commissioner Saverino and passed unanimously as follows:

Ayes: D. Loftus, F. Furstenau, F. Saverino and M. Scheck
Nays: None
Absent: None

Chairman Loftus inquired with the Committee if any other business or items are to be discussed. Hearing none, Commissioner Furstenau moved to adjourn the meeting at 6:36 P.M. Motion seconded by Commissioner Scheck and passed unanimously as follows:

Ayes: D. Loftus, F. Furstenau, F. Saverino and M. Scheck
Nays: None
Absent: None



DuPage Water Commission

MEMORANDUM

TO: John Spatz
General Manager

FROM: Terry McGhee
Manager of Water Operations

Ed Kazmierczak Pipeline Supervisor
Chris Bostick Facilities Construction Supervisor
John Schori Instrumentation Supervisor
Frank Frelka GIS Coordinator
Mike Weed Operations Supervisor

DATE: September 11, 2014

SUBJECT: Status of Operations

Operations Overview

The Commission's sales for the month of August were a total of 2.556 billion gallons. This represents an average day demand of 82.5 million gallons per day (MGD), which is lower than the August 2013 average day demand of 97.1 MGD. The maximum day demand was 92.9 MGD on August 4, 2014, which is lower than the August 2013 maximum day demand of 111.5 MGD. The minimum day flow was 72.6 MGD.

The Commission's recorded total precipitation for the month of August was 7.30 inches compared to 1.69 inches for August 2013. The level of Lake Michigan for August 2014 is 578.99 (Feet IGLD 1985) compared to 577.68 (Feet IGLD 1985) for August of 2013.

Water Conservation

On September 17, a tour and presentation was held for the Wyndemere Retirement Community. A memo regarding the tour has been posted on preservingeverydrop.org.

Ongoing: Staff is working with SCARCE to earn their Earth Flag. The process consists of a 'green' audit, staff training in recycling and conservation, an action that involves the Commission in the community (i.e. a book drive, cleaning a creek, adopting a highway, etc.), and finally presenting the Earth Flag to the Board Members. Staff has submitted the green audit to SCARCE and is awaiting the next step.

Condition Assessment

Staff held a meeting with AECOM to finalize the scope and costs associated with the Condition Assessment project. The project schedule will be finalized during the week of September 22nd.

Emergency Interconnection Study

Staff has prepared a memo that is included in the Board Package summarizing the results of the interconnection study with communities along the path of the 90" and 72" supply lines.

Facilities Construction Overview

DuPage County Service Areas

York Township: DuPage County's Contractor has broken ground. The Contractor continues transmitting equipment submittals which are being reviewed by the project team. Contract completion is expected in November.

Storage System Improvements

Development of standpipe rehabilitation specifications and bidding documents is ongoing.

Instrumentation / Remote Facilities Overview

Remote Facilities Maintenance

Annual Remotely Operated Valve (ROV) inspections are underway.

Contract QRE-6/12

WAO QRE-6.011, for emergency repairs at Tank Site 1, for the investigation and repair of electrical problems has been completed. Ratification of the Work Authorization Order appears on the agenda as R-23-14.

WAO QRE-6.012 also appears on the agenda under R-23-14. This Work Order Authorization is for the mitigation of ground water entering three (3) separate underground vault structures through electrical conduits and/or conduit penetrations through the walls of the structures.

WAO QRE-6.013 also appears on the agenda under R-23-14. This Work Authorization is to McWilliams Electric Co., Inc. to expose the conduit penetrations into the vault at ROV21A in Wheaton and seal the penetrations to prevent water entering the vault.

WAO QRE-6.014 also appears on the agenda under R-23-14. This Work Authorization is to Divane Bros. Electric Co. to repair/replace 1 ¼" conduit between the 84" Bypass valve vault and the East Effluent vault at the pump station. The existing conduit takes on water when it rains.

Meter Shop

The annual customer meter calibration program has begun.

Document Management

The majority of Desksite documents have been copied to SharePoint with the appropriate Desksite databases being set to read-only. Staff anticipates copying Board-related documents after the September Commission meeting.

Infor EAM

Staff is set to move forward with the installation of Infor EAM 11. The plan is to set up a training environment where staff can become familiar with the new program version while ensuring that all custom reports and other program customizations are implemented. The plan is to schedule a full upgrade with onsite training before the end of the fiscal year.

Pipeline Maintenance and Construction Overview

Vacuum excavation work authorized under R-18-14 has been completed.

Work authorized under Resolution R-19-14 to Rossi Contractors, Inc. for pavement repairs and frame and lid adjustments at 46 manhole structures is in progress.

The Commission and Metra have agreed on a cost sharing agreement regarding the pipe failure located along the Metra rail line near West Catalpa Lane in Itasca. This appears on the agenda as R-25-15.

SEPTEMBER 2014 COMMISSION AGENDA ITEMS:

- R-23-14:** A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Electrical Contract QRE-6/12
- R-25-14:** A Resolution Approving the Execution of a Settlement Agreement and Mutual General Release – Metra

Attachments

1. DuPage Laboratory Bench Sheets for August, 2014
2. Water Sales Analysis 01-August-09 to 31-August-2014
3. Chart showing Commission sales versus allocations
4. Chart showing Commission sales versus historical averages

DUPAGE WATER COMMISSION LABORATORY BENCH SHEET
MONTHLY REPORT FOR AUGUST 2014

LEXINGTON SUPPLY

DUPAGE DISCHARGE

DAY	LEXINGTON SUPPLY		DUPAGE DISCHARGE								ANALYST
	FREE CL ₂ mg/l	TURBIDITY NTU	PO ₄ mg/l	FREE CL ₂ mg/l	TURBIDITY NTU	TEMP °F	pH	Fluoride	PO ₄ mg/l	P.A.C. LBS/MG	
1	0.97	0.10	0.52	0.98	0.08	68	7.6	0.9	0.56	0	KD
2	0.96	0.10	0.57	0.97	0.08	68	7.6	0.9	0.55	0	RC
3	0.95	0.11	0.53	0.98	0.08	68	7.7	0.9	0.57	0	RC
4	1.00	0.09	0.54	1.00	0.08	67	7.6	0.9	0.53	0	KD
5	0.94	0.09	0.58	0.97	0.09	68	7.6	0.9	0.54	0	KD
6	0.99	0.10	0.58	0.99	0.08	67	7.6	0.9	0.56	0	JU
7	0.99	0.10	0.54	0.99	0.08	66	7.6	0.9	0.54	0	RC
8	0.95	0.10	0.54	0.97	0.08	67	7.6	0.9	0.55	0	RC
9	0.98	0.10	0.53	0.96	0.09	67	7.5	1.0	0.52	0	AM
10	0.97	0.11	0.53	0.96	0.09	68	7.6	1.0	0.51	0	AM
11	0.95	0.11	0.52	0.96	0.08	68	7.6	1.0	0.52	0	KD
12	0.95	0.09	0.56	0.94	0.08	70	7.6	0.9	0.54	0	KD
13	0.96	0.10	0.55	0.98	0.08	70	7.6	0.9	0.55	0	KD
14	0.96	0.10	0.54	0.97	0.08	70	7.7	0.9	0.56	0	AM
15	0.97	0.10	0.56	0.96	0.08	70	7.6	0.9	0.58	0	AM
16	0.95	0.09	0.54	0.97	0.08	70	7.6	0.9	0.56	0	KD
17	0.95	0.10	0.56	0.98	0.08	70	7.6	1.0	0.57	0	KD
18	0.93	0.10	0.55	0.98	0.08	70	7.6	0.9	0.57	0	AM
19	0.93	0.09	0.57	0.99	0.10	70	7.7	0.9	0.58	0	AM
20	0.94	0.09	0.58	0.97	0.10	70	7.6	0.9	0.58	0	KD
21	0.93	0.09	0.57	0.98	0.09	70	7.6	0.9	0.56	0	KD
22	0.92	0.09	0.56	0.94	0.09	70	7.6	0.9	0.58	0	KD
23	0.95	0.10	0.59	0.95	0.09	69	7.6	0.9	0.57	0	AM
24	0.93	0.09	0.53	0.96	0.10	69	7.6	0.9	0.57	0	AM
25	0.94	0.09	0.54	0.94	0.09	68	7.7	0.9	0.53	0	KD
26	0.98	0.10	0.52	0.99	0.09	70	7.7	0.9	0.55	0	KD
27	0.96	0.11	0.53	0.98	0.09	68	7.6	0.9	0.56	0	AM
28	0.93	0.09	0.54	0.97	0.09	68	7.6	1.0	0.58	0	AM
29	0.94	0.09	0.58	0.96	0.09	67	7.6	1.0	0.57	0	AM
30	0.95	0.09	0.52	0.95	0.10	66	7.6	1.0	0.54	0	AM
31	0.93	0.09	0.56	0.96	0.10	66	7.7	1.0	0.55	0	KD
AVG	0.95	0.10	0.55	0.97	0.09	68	7.6	0.9	0.55	0	
MAX	1.00	0.11	0.59	1.00	0.10	70	7.7	1.0	0.58	0	
MIN	0.92	0.09	0.52	0.94	0.08	66	7.5	0.9	0.51	0	



Terrance McGhee
Manager of Water Operations

DU PAGE WATER COMMISSION
WATER SALES ANALYSIS

01-May-92 TO 31-Aug-14

PER DAY AVERAGE 80,645,550

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-11	2,342,971,000	2,384,648,379	98.25%	\$4,779,660.84	\$4,781,220.00	603,990	0.03%	98.28%	\$2.04	\$2.005
Jun-11	2,467,779,000	2,526,763,092	97.67%	\$5,034,118.96	\$5,066,160.00	700,540	0.03%	97.69%	\$2.04	\$2.005
Jul-11	3,211,413,000	3,276,142,145	98.02%	\$6,551,276.72	\$6,568,665.00	1,090,800	0.03%	98.06%	\$2.04	\$2.005
Aug-11	2,733,016,000	2,779,503,741	98.33%	\$5,575,352.64	\$5,572,905.00	792,559	0.03%	98.36%	\$2.04	\$2.005
Sep-11	2,486,823,000	2,533,174,564	98.17%	\$5,073,028.92	\$5,079,015.00	1,078,701	0.04%	98.21%	\$2.04	\$2.005
Oct-11	2,206,656,398	2,249,745,636	98.08%	\$4,501,579.05	\$4,510,740.00	681,023	0.03%	98.11%	\$2.04	\$2.005
Nov-11	1,986,038,000	2,012,618,454	98.68%	\$4,051,517.52	\$4,035,300.00	850,000	0.04%	98.72%	\$2.04	\$2.005
Dec-11	2,046,708,000	2,072,416,459	98.76%	\$4,175,284.32	\$4,155,195.00	974,459	0.05%	98.81%	\$2.04	\$2.005
Jan-12	2,073,584,000	2,111,472,876	98.21%	\$5,660,884.32	\$5,293,462.50	978,662	0.05%	98.25%	\$2.73	\$2.507
Feb-12	1,926,054,000	1,974,613,582	97.54%	\$5,258,127.42	\$4,950,356.25	923,283	0.05%	97.59%	\$2.73	\$2.507
Mar-12	2,006,949,000	2,047,616,673	98.01%	\$5,478,970.77	\$5,133,375.00	1,394,581	0.07%	98.08%	\$2.73	\$2.507
Apr-12	2,020,132,000	2,067,114,579	97.73%	\$5,514,960.36	\$5,182,256.00	1,425,448	0.07%	97.80%	\$2.73	\$2.507
May-12	2,571,924,000	2,631,095,433	97.75%	\$7,021,352.52	\$6,596,156.25	845,168	0.03%	97.78%	\$2.73	\$2.507
Jun-12	3,400,363,000	3,498,823,295	97.19%	\$9,282,990.99	\$8,771,550.00	1,375,200	0.04%	97.23%	\$2.73	\$2.507
Jul-12	3,529,438,000	3,609,199,242	97.79%	\$9,635,365.74	\$9,048,262.50	1,048,718	0.03%	97.82%	\$2.73	\$2.507
Aug-12	2,941,022,000	3,012,931,292	97.61%	\$8,028,990.06	\$7,553,418.75	986,869	0.03%	97.65%	\$2.73	\$2.507
Sep-12	2,477,340,000	2,530,704,029	97.89%	\$6,763,138.20	\$6,344,475.00	1,328,048	0.05%	97.94%	\$2.73	\$2.507
Oct-12	2,204,646,000	2,250,972,278	97.94%	\$6,018,883.58	\$5,643,187.50	1,277,774	0.06%	98.00%	\$2.73	\$2.507
Nov-12	1,997,315,000	2,038,118,269	98.00%	\$5,452,669.95	\$5,109,562.50	1,099,388	0.05%	98.05%	\$2.73	\$2.507
Dec-12	2,051,481,000	2,091,309,334	98.10%	\$5,600,543.13	\$5,242,912.50	882,788	0.04%	98.14%	\$2.73	\$2.507
Jan-13	2,118,398,000	2,159,418,779	98.10%	\$7,033,081.36	\$6,223,444.92	836,113	0.04%	98.14%	\$3.32	\$2.882
Feb-13	1,903,034,000	1,950,611,450	97.56%	\$6,318,072.88	\$5,621,662.20	1,106,766	0.06%	97.62%	\$3.32	\$2.882
Mar-13	2,046,176,000	2,085,514,809	98.11%	\$6,793,304.32	\$6,010,453.68	1,128,463	0.05%	98.17%	\$3.32	\$2.882
Apr-13	1,987,777,000	2,035,998,626	97.63%	\$6,599,419.64	\$5,867,748.04	708,538	0.03%	97.67%	\$3.32	\$2.882
May-13	2,347,910,000	2,413,837,252	97.27%	\$7,795,061.20	\$6,956,678.96	809,119	0.03%	97.30%	\$3.32	\$2.882
Jun-13	2,321,503,000	2,390,040,458	97.13%	\$7,707,389.96	\$6,888,096.60	649,245	0.03%	97.16%	\$3.32	\$2.882
Jul-13	2,829,247,000	2,911,976,489	97.16%	\$9,393,100.04	\$8,392,316.24	1,059,086	0.04%	97.20%	\$3.32	\$2.882
Aug-13	3,007,723,000	3,089,289,160	97.36%	\$9,985,640.36	\$8,903,331.36	1,323,465	0.04%	97.40%	\$3.32	\$2.882
Sep-13	2,537,241,000	2,606,351,145	97.35%	\$8,423,640.12	\$7,511,504.00	1,371,480	0.05%	97.40%	\$3.32	\$2.882
Oct-13	2,190,814,000	2,245,112,672	97.58%	\$7,273,502.48	\$6,470,414.72	763,519	0.03%	97.62%	\$3.32	\$2.882
Nov-13	1,996,890,000	2,051,521,527	97.34%	\$6,629,674.80	\$5,912,485.04	4,979,520	0.24%	97.58%	\$3.32	\$2.882
Dec-13	2,122,238,000	2,175,046,412	97.57%	\$7,045,830.16	\$6,268,483.76	749,215	0.03%	97.61%	\$3.32	\$2.882
Jan-14	2,223,778,000	2,287,994,451	97.19%	\$8,828,398.66	\$7,586,989.60	836,445	0.04%	97.23%	\$3.97	\$3.316
Feb-14	2,068,669,000	2,118,238,601	97.66%	\$8,212,615.93	\$7,024,079.20	2,069,443	0.10%	97.76%	\$3.97	\$3.316
Mar-14	2,170,575,000	2,234,019,300	97.16%	\$8,617,182.75	\$7,408,008.00	1,202,320	0.05%	97.21%	\$3.97	\$3.316
Apr-14	2,024,459,000	2,086,348,613	97.03%	\$8,037,102.23	\$6,918,332.00	5,230,699	0.25%	97.28%	\$3.97	\$3.316
May-14	2,278,578,000	2,351,587,455	96.90%	\$9,045,954.66	\$7,797,864.00	498,618	0.02%	96.92%	\$3.97	\$3.316
Jun-14	2,389,528,000	2,472,371,532	96.65%	\$9,486,426.16	\$8,198,384.00	11,296,747	0.46%	97.11%	\$3.97	\$3.316
Jul-14	2,517,890,000	2,597,231,604	96.95%	\$9,996,023.30	\$8,612,420.00	9,644,357	0.37%	97.32%	\$3.97	\$3.316
Aug-14	2,545,942,000	2,624,634,258	97.00%	\$10,107,389.74	\$8,703,287.20	1,259,369	0.05%	97.05%	\$3.97	\$3.316
TOTALS (1)	657,906,393,798	676,364,587,836	97.27%	\$1,036,104,156.11	\$974,000,559.80	653,612,193	0.10%	97.37%	\$1.57	\$1.440

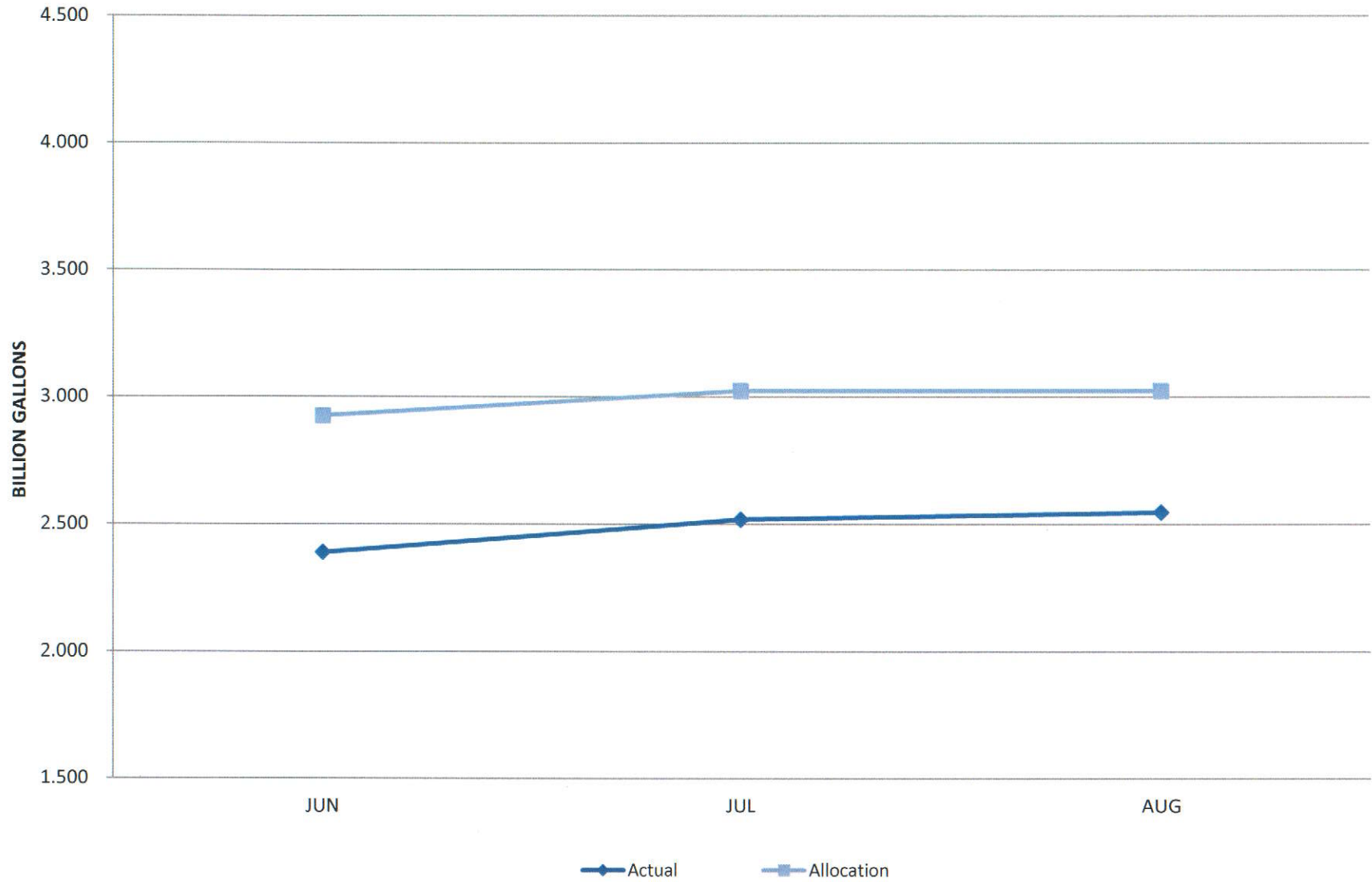
(1) - SINCE MAY 1, 1992

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

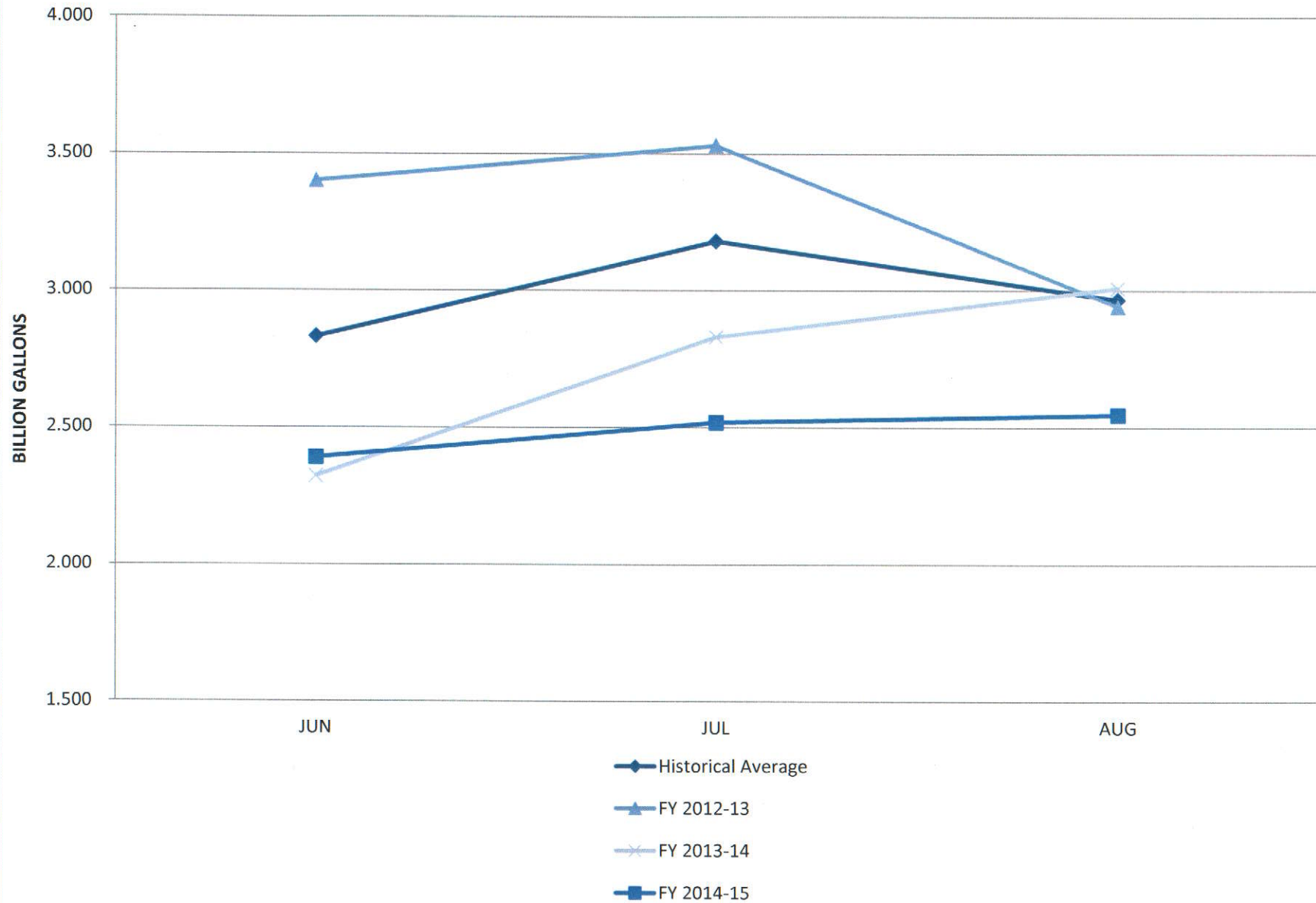
(3) - DOES NOT INCLUDE FIXED COST PAYMENTS

YTD										
Aug-13	10,506,383,000	10,805,143,359	97.24%	34,881,192	31,140,423				\$3.32	\$2.882
Aug-14	9,731,938,000	10,045,824,849	96.88%	38,635,794	33,311,955				\$3.97	\$3.316
	(774,445,000)	(759,318,510)		\$3,754,602	\$2,171,532					
	-7.4%	-7.0%		10.8%	7.0%					
Month										
Aug-13	3,007,723,000	3,089,289,160	97.36%	9,985,640	8,903,331				\$3.32	\$2.882
Aug-14	2,545,942,000	2,624,634,258	97.00%	10,107,390	8,703,287				\$3.97	\$3.316
	(461,781,000)	(464,654,902)		\$ 121,749	\$ (200,044)					
	-15.4%	-15.0%		1.4%	-2.0%					
Aug>July	28,052,000	27,402,654		111,366	90,867					

DU PAGE WATER COMMISSION SALES FY 2014-15 VS. ALLOCATION




DU PAGE WATER COMMISSION SALES FY 2014-15, 2013-14 & 2012-13 VS. HISTORICAL AVERAGE



DATE: September 11, 2014

REQUEST FOR BOARD ACTION

AGENDA SECTION	Engineering & Construction Committee	ORIGINATING DEPARTMENT	Instrumentation/ Remote Facilities
ITEM	A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Electrical Contract QRE-6/12 at the September 18, 2014, DuPage Water Commission Meeting Resolution No. R-23-14	APPROVAL	

Account Numbers: 01-60-6633

The Commission entered into certain agreements dated December 10, 2012, with Divane Bros. Electric Co. and with McWilliams Electric Co. Inc. for quick response electrical work as needed through the issuance of Work Authorization Orders. Resolution No. R-23-14 would approve the following Work Authorization Order under the Quick Response Electrical Contracts:

Work Authorization Order No. 011: This Work Authorization was issued to Divane Bros. Electric Co., and the work completed, prior to board approval and was in response to an electrical problem with a ground fault interrupter (GFI) circuit not functioning in the vault at tank site #1.

The total cost for this work is estimated to not exceed \$1,300.00.

Work Authorization Order No. 012: This Work Authorization is to McWilliams Electric Co., Inc. to expose the conduit penetrations into the vault at tank site #2 in Glendale Heights, so the penetrations can be sealed to prevent water entering the vault. In addition they are to relocate the circuit breaker panel to avoid potential water damage and install a new surge protective device.

The total cost for this work is estimated to not exceed \$7,000.00.

Work Authorization Order No. 013: This Work Authorization is to McWilliams Electric Co., Inc. to expose the conduit penetrations into the vault at ROV21A in Wheaton and seal the penetrations to prevent water entering the vault.

The total cost for this work is estimated to not exceed \$3,100.00.

Work Authorization Order No. 014: This Work Authorization is to Divane Bros. Electric Co. to repair/replace 1 ¼" conduit between the 84" Bypass valve vault and the East Effluent vault at the pump station. The existing conduit takes on water when it rains.

The total cost for this work is estimated to not exceed \$3,400.00.

MOTION: To adopt Resolution No. R-23-14.

DUPAGE WATER COMMISSION

RESOLUTION NO. R-23-14

A RESOLUTION APPROVING AND RATIFYING
CERTAIN WORK AUTHORIZATION ORDERS
UNDER QUICK RESPONSE ELECTRICAL CONTRACT QRE-6/12
AT THE SEPTEMBER 18, 2014, DUPAGE WATER COMMISSION MEETING

WHEREAS, the DuPage Water Commission (the "Commission") entered into certain agreements dated December 10, 2012, with Divane Bros. Electric Co. and with McWilliams Electric Co. Inc. for quick response electrical work related to the Commission's Waterworks System (said agreements being hereinafter collectively referred to as "Contract QRE-6/12"); and

WHEREAS, Contract QRE-6/12 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; and

WHEREAS, the need for such emergency electrical work could not have been reasonably foreseen at the time the contracts were signed;

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

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

SECTION TWO: The Work Authorization Orders attached hereto and by this reference incorporated herein and made a part hereof as Exhibit 1 shall be and hereby

Resolution No. R-23-14

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 the Criminal Code of 1961 and shall be in full force and effect from and after its adoption.

AYES:

NAYS:

ABSENT:

ADOPTED this ____ day of _____, 2014

Chairman

ATTEST:

Clerk

WORK AUTHORIZATION ORDER

SHEET 1 OF 2

CONTRACT QRE-6/12: QUICK RESPONSE ELECTRICAL CONTRACT

PROJECT: QRE-6.011

LOCATION:

Standpipe vault at TS1, Central and Monaco, Roselle

CONTRACTOR:

Divane Bros. Electrical Co.

DESCRIPTION OF WORK:

Investigate why circuit #4 wire is damaged. Replace damaged wire and make sure Ground fault interrupter (GFI) breaker and circuit function properly.

REASON FOR WORK:

GFI breaker #4 will not reset and circuit wire damaged inside J-box.

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:

N/A

SUPPLEMENTARY NOTIFICATION OF POTENTIALLY HAZARDOUS CONDITIONS:

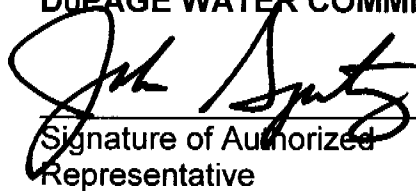
Owner has designated the Standpipe vault at TS1 as a potential permit-required confined space.

SUPPLEMENTARY CONTRACT SPECIFICATIONS AND DRAWINGS:

N/A

DUPAGE WATER COMMISSION

By:

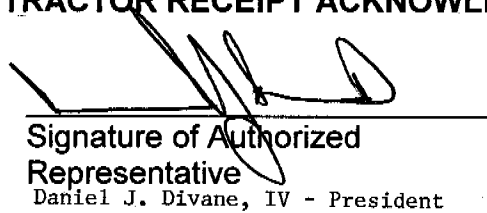

Signature of Authorized Representative

DATE:

8/29/14

CONTRACTOR RECEIPT ACKNOWLEDGED:

By:


Signature of Authorized Representative
Daniel J. Divane, IV - President

DATE:

September 2, 2014

WORK AUTHORIZATION ORDER

SHEET 1 OF 2

CONTRACT QRE-6/12: QUICK RESPONSE ELECTRICAL CONTRACT

PROJECT: QRE-6.012

LOCATION:

Standpipe vault at TS2, 1900 N. Bloomingdale Rd, Glendale Heights

CONTRACTOR:

McWilliams Electric Co., Inc.

DESCRIPTION OF WORK:

Remove and reinstall J-box and existing breaker panel in vault. Breaker panel to be installed offset from J-box with drip legs. Relocate existing aircraft warning light control panel to other side of breaker panel enclosure. Seal all unused penetrations in breaker panel enclosure. Panel mounting channels shall be mounted vertical not horizontal. Salvage as much of the existing wiring as possible to minimize splicing or replacing when reinstalling. Provide and install new J-box if necessary. Terminate and test all circuits. If splicing is required it shall be done within the J-box only. Shielded cables for instrumentation shall not be spliced. Remove old Surge Protective Device (SPD) and replace with new SPD and dual breaker. All work must be done per State and Local Codes.

REASON FOR WORK:

To expose conduit penetrations through foundation so space between conduit's and penetration's can be sealed to prevent water from entering vault. The waterproofing will be performed by others. Upgrade electrical panel.

MINIMUM RESPONSE TIME:

None

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

GE Wallmount Tranquell SPD, Catalog #TLE-120S-050-WM

THE WORK ORDERED PURSUANT TO THIS WORK AUTHORIZATION ORDER

IS IS NOT PRIORITY EMERGENCY WORK

SUBMITTALS REQUESTED:

N/A

SUPPLEMENTARY NOTIFICATION OF POTENTIALLY HAZARDOUS CONDITIONS:

Owner has designated the Standpipe vault at TS2 as a potential permit-required confined space.

SUPPLEMENTARY CONTRACT SPECIFICATIONS AND DRAWINGS:

N/A

DUPAGE WATER COMMISSION

By: _____
Signature of Authorized
Representative

DATE: _____

CONTRACTOR RECEIPT ACKNOWLEDGED:

By: _____
Signature of Authorized
Representative

DATE: _____

WORK AUTHORIZATION ORDER

SHEET 1 OF 2

CONTRACT QRE-6/12: QUICK RESPONSE ELECTRICAL CONTRACT

PROJECT: QRE-6.013

LOCATION:

Utility vault at ROV21A, SE Corner of President ST and Daly Rd, Wheaton

CONTRACTOR:

McWilliams Electric Co., Inc.

DESCRIPTION OF WORK:

Provide and maintain traffic and pedestrian controls, remove main J-box in vault to expose conduit penetrations through manhole side. Seal space around conduit to prevent water from entering vault. Reinstall J-box or provide new J-box to install if necessary. Salvage as much of the existing wiring as possible to minimize splicing or replacing when reinstalling J-box. Terminate and test all circuits. If splicing is required it shall be done within the J-box only. Shielded cables for instrumentation shall not be spliced. All work must be done per State and Local Codes.

REASON FOR WORK:

Ground water enters vault through conduit penetrations.

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:

N/A

SUPPLEMENTARY NOTIFICATION OF POTENTIALLY HAZARDOUS CONDITIONS

Owner has designated the utility vault at ROV21A as a permit-required confined space.

SUPPLEMENTARY CONTRACT SPECIFICATIONS AND DRAWINGS

N/A

DUPAGE WATER COMMISSION

By: _____
Signature of Authorized
Representative

DATE: _____

CONTRACTOR RECEIPT ACKNOWLEDGED:

By: _____
Signature of Authorized
Representative

DATE: _____

WORK AUTHORIZATION ORDER

SHEET 1 OF 2

CONTRACT QRE-6/12: QUICK RESPONSE ELECTRICAL CONTRACT

PROJECT: QRE-6.014

LOCATION:

84" Bypass and East Effluent vault's at DuPage Water Commission, 600 E. Butterfield Rd, Elmhurst

CONTRACTOR:

Divane Bros. Electric Co.

DESCRIPTION OF WORK:

Excavate to expose 1 ¼" conduit between 84" Bypass and East Effluent vault's to repair or replace. Restore the area to its existing condition. All work must be done per State and Local Codes.

REASON FOR WORK:

Water enters 1 ¼" conduit when it rains.

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:

N/A

SUPPLEMENTARY NOTIFICATION OF POTENTIALLY HAZARDOUS CONDITIONS:

Owner has designated the 84" Bypass vault as a permit-required confined space.

SUPPLEMENTARY CONTRACT SPECIFICATIONS AND DRAWINGS:

N/A

DUPAGE WATER COMMISSION

By: _____
Signature of Authorized
Representative

DATE: _____


CONTRACTOR RECEIPT ACKNOWLEDGED:

By: _____
Signature of Authorized
Representative

DATE: _____

DATE: August 11, 2014

REQUEST FOR BOARD ACTION

AGENDA SECTION	Engineering Committee	ORIGINATING DEPARTMENT	General Manager's Office
ITEM	A Resolution Approving the Execution of a Settlement Agreement and Mutual General Release - Metra Resolution No. R-25-14	APPROVAL	
Account Number: NA			
<p>In February of 2014, the Commission discovered a leak in a 30-inch water transmission main located in a right of way granted by an perpetual Easement Agreement with CMC Real Estate Corporation. In 2005 Metra (the successor owner of the easement) had constructed a spur track that encroached onto the Commission 30-inch water transmission.</p> <p>The Commission retained outside contractors to make emergency repairs at a cost of \$130,059.62. When investigating the cause of the pipe failure, it was determined that the Metra spur track contributed to the failure of the pipeline.</p> <p>After negotiations with Metra both parties agreed to settle and resolve any and all existing and potential claims and disputes regarding the Spur Track Encroachment and the Emergency Repair with a 50% cost sharing.</p> <p>Resolution No. R-25-14 would settle the matter if the Commission receives \$65,029.81 within ten (30) days of the execution of this Agreement by both parties.</p>			
MOTION: To adopt Resolution No. R-25-14.			

DUPAGE WATER COMMISSION

RESOLUTION NO. R-25-14

A RESOLUTION APPROVING THE EXECUTION OF A SETTLEMENT AGREEMENT
AND MUTUAL GENERAL RELEASE - METRA

WHEREAS, the Commission owns a 30-inch water transmission main (the "Pipeline") located within an easement on real property owned by the Commuter Rail Division of the Regional Transportation Authority ("Metra") in an area west of Catalpa Lane in Itasca; and

WHEREAS, in or around 2005, the Commission became aware that Metra had constructed a spur track that encroached upon said easement (the "Encroachment"), such construction being done without the knowledge or consent of the Commission, in violation of the easement agreement; and

WHEREAS, in or around 2006, Metra removed the Encroachment; and

WHEREAS, in or around February of 2014, the Commission discovered a leak in the Pipeline in the area of the Encroachment and, on an emergency basis, proceeded to repair said leak; and

WHEREAS, the Commission and Metra have reached an agreement regarding the costs of the repair of said leak.

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 Board of Commissioners of the DuPage Water Commission.

SECTION TWO: The Settlement Agreement and Mutual General Release, in the form attached hereto and incorporated herein and made a part hereof as Exhibit A, shall

Resolution No. R-25-14

be and hereby is approved and the General Manager shall be and hereby is authorized to execute said Agreement.

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

AYES:

NAYS:

ABSENT:

ADOPTED this _____ day of _____, 2014.

Chairman

ATTEST:

Clerk

EXHIBIT "A"

SETTLEMENT AGREEMENT AND MUTUAL GENERAL RELEASE

SETTLEMENT AGREEMENT AND MUTUAL GENERAL RELEASE

This Settlement Agreement and Mutual General Release ("Agreement") is made by and between the DuPage Water Commission, Counties of DuPage, Cook and Will, Illinois, a water commission and unit of local government of the State of Illinois (the "Commission") and the Commuter Rail Division of the Regional Transportation Authority, a division of an Illinois municipal corporation ("Metra"); the Commission and Metra each known individually as a "Party" and collectively as the "Parties".

WHEREAS, pursuant to an Easement Agreement with CMC Real Estate Corporation dated June 11, 1987, and recorded with the DuPage County Recorder of Deeds on June 23, 1987 as Document Number R87-091800 (the "Easement Agreement"), the Commission obtained a perpetual easement and right of way to install water transmission mains and related appurtenances in, upon, under, along and across certain real estate described therein (the "Easement Premises"); and,

WHEREAS, Metra is the successor owner of the Easement Premises encumbered by the Easement Agreement; and,

WHEREAS, subsequent to the execution of the Easement Agreement, the Commission installed a 30-inch water transmission main (the "Pipeline") within the Easement Premises, pursuant to, and in accordance with, the terms and conditions of the Easement Agreement; and,

WHEREAS, pursuant to the Easement Agreement, the owner of the Easement Premises "reserves the right to use the Easement Premises and its adjacent property, in any manner that will not prevent or interfere with the exercise by the Commission of the rights granted hereunder; provided, however, that Owner shall not in any manner disturb, damage, destroy, injure, obstruct, or permit to be obstructed, the Easement Premises at any time whatsoever without the express prior written consent of the Commission"; and,

WHEREAS, in or around 2005, the Commission became aware that Metra had constructed a spur track, as shown on Exhibit "A" attached hereto and incorporated herein, a portion of which was within the Easement Premises, such construction being done without the knowledge or consent of the Commission; and,

WHEREAS, for purposes of this Agreement, the installation of the portion of the spur track between the points identified on Exhibit A as 170+00 and 162+00 shall be referred to herein as the "Spur Track Encroachment"; and

WHEREAS, in or around 2006, Metra removed the Spur Track Encroachment; and,

WHEREAS, in or around February of 2014, the Commission discovered a leak in the Pipeline in the area within the Spur Track Encroachment and, on an emergency basis, proceeded to repair said leak (the "Emergency Repair"); and,

WHEREAS, the cost incurred by the Commission in retaining outside contractors to make the Emergency Repair was \$130,059.62 and,

WHEREAS, the parties wish to fully and finally settle and resolve, for valuable consideration, any and all existing and potential claims and disputes regarding the Spur Track Encroachment and the Emergency Repair.

NOW, THEREFORE, in consideration of the mutual covenants and promises contained in the Agreement, the Parties agree as follows:

Section 1. Incorporation of Recitals. The recitals set forth in the foregoing recitals are material to this Agreement and are hereby incorporated into and made a part of this Agreement as though they were fully set forth in this Section 1.

Section 2. Payment by Metra. For the mutual release of all claims that do or may exist between the parties to this Agreement regarding the Spur Track Encroachment and Emergency Repair, Metra agrees to pay the Commission the sum total of \$65,029.81, representing 50% of the cost of the outside contractors making the Emergency Repair, within thirty (30) days of the execution of this Agreement by both parties.

Section 3. Mutual Release of Claims. In consideration of the covenants and promises contained above, the Commission, on behalf of itself and its officers, officials, employees, representatives, directors, managers, supervisors, employees, officers, administrators, agents, attorneys, affiliates, predecessors and successors (the "Commission Releasing Parties"), hereby release and forever discharge Metra and its officers, officials, employees, representatives, directors, managers, supervisors, employees, administrators, agents, attorneys, affiliates, predecessors, successors, assigns, and all other persons and entities whether known or unknown to the Commission Releasing Parties, of and from any and all claims, actions, causes of action, demands, damages, costs, expenses, attorney's fees and compensation of any kind whatsoever arising from or in any way related to the Spur Track Encroachment and the Emergency Repair.

Likewise, in consideration of the covenants and promises contained above, Metra, on behalf of itself and its officers, officials, employees, representatives, directors, managers, supervisors, employees, officers, administrators, agents, attorneys, affiliates, predecessors and successors (the "Metra Releasing Parties"), hereby releases and forever discharges the Commission and its officers, officials, employees, representatives, directors, managers, supervisors, employees, administrators, agents, attorneys, affiliates, predecessors, successors, assigns, and all other persons and entities whether known or unknown to the Metra Releasing Parties, of and from any and all claims, actions, causes of action, demands, damages, costs, expenses, attorney's fees and compensation of any kind whatsoever arising from or in any way related to the Spur Track Encroachment and the Emergency Repair.

Section 4. Easement Agreement to Remain in Effect. The parties hereto agree that the Easement Agreement remains in effect and each party shall abide by its terms and conditions.

Section 5. Binding Effect. The provisions of the Agreement shall be binding on and shall inure to the benefit of the affiliates, successors, predecessors, directors, officers, employees, attorneys, heirs and assigns of both undersigned parties.

Section 6. Agreement Not an Admission of Liability. The parties hereto agree and acknowledge that this Agreement is a compromise settlement of each party's disputed claims, and that the sums and covenants given in consideration of this Agreement, as well as the execution of this Agreement, shall not be construed to be an admission of liability on the part of any party with respect to the disputed matters set forth above.

Section 7. Severability. The parties agree that, if any single section or clause of the Agreement should be found invalid or unenforceable, it shall be severed and the remaining sections and clauses enforced in accordance with the intent of the Agreement.

Section 8. Complete Agreement; Construction. This Agreement contains the entire understanding between the parties to it and supersedes all prior agreements and understandings relating to the subject matter of this Agreement. The parties acknowledge that this Agreement is the result of mutual negotiations among them and shall not be construed against any party as the drafter of this Agreement.

Section 9. Modification. The Agreement shall not be modified, amended, or terminated unless such modification, amendment, or termination is executed in writing by a party to the agreement and agreed upon by all parties.

Section 10. Governing Law; Venue. This Agreement shall be interpreted and governed according to the laws of the State of Illinois without regard to choice of law principles. The exclusive venue for any dispute arising out of this Agreement shall be the 18th Judicial Circuit, DuPage County, Illinois.

Section 11. Counterparts. This Agreement may be executed in counterparts.

Section 12. Facsimile and E-Mail Signatures. The parties agree that facsimile and/or e-mail signatures are acceptable to make the Agreement binding and fully enforceable.

ACCEPTED AND AGREED:

Date: 9/9/14, 2014

DuPage Water Commission

By: [Signature]
Its GENERAL MANAGER

Date: 8/25/14, 2014

Commuter Rail Division of the Regional
Transportation Authority

By: [Signature]
Its SR. DIR. OF LIT. RISK

EXHIBIT "A"

DuPage Water Commission North Transmission Main / Metra R-O-W



0 50 100 200 300 400 Feet



DuPage Water Commission

MEMORANDUM

TO: John Spatz
General Manger

FROM: Terry McGhee
Manager of Water Operations

DATE: September 9, 2014

SUBJECT: Emergency interconnection to the Commission's 90-Inch and 72-Inch Diameter supply Lines

The DuPage Water Commission (DWC) maintains a 90-inch and 72-inch diameter supply lines that connect the City of Chicago's Lexington Pump Station DWC Pumping Station in Elmhurst, Illinois. Currently, the transmission lines only provide water to existing DWC customers. The Commission engaged AECOM to perform an analysis to determine the feasibility of the Commission supplying water to neighboring communities through emergency interconnections.

The emergency interconnections will be used to supply water in emergency situations to communities located along the 90-inch and 72-inch diameter transmission lines. These potential customers include Bellwood, Berkeley, Berwyn, Broadview, Brookfield, Cicero, Forest Park, Hillside, LaGrange Park, Lyons, Maywood, North Riverside, Oak Park, and Westchester.

AECOM utilized the IDNR Lake Michigan water allocations and maximum day demand (MGD) for all existing and emergency DWC customers for the years 2020 and 2030. These scenarios were conducted under the assumption that these interconnections are to be utilized in emergency situations only and not as a continuous source of supply.

In conclusion the study showed that while it is feasible to provide emergency interconnections that meet expected demand, DWC would no longer have redundancy built into their system, since both the existing 72-inch and 90-inch pipelines would be required to supply both the existing DWC customers and the potential emergency customers. Also, both existing pipelines, as well as the Lexington Pump Station, would be stretched almost to their maximum capacities. Thus, the DWC will need to take into consideration both the operation of their system in order to accommodate these high demands, as well as the added security concerns of additional customers due to increased vulnerability by increasing the number of access points.

Cost will undoubtedly also play a role. Although the proposed stations may never be utilized, the investment for each connection will have to be made prior to construction. A preliminary rate study estimate the average cost per connection at \$2.6 million excluding land cost. This cost will be very high for an improvement that will likely be used very rarely and in some cases, possibly never.