



# DuPage Water Commission

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

## AGENDA

**ENGINEERING & CONSTRUCTION COMMITTEE**  
**THURSDAY, MARCH 17, 2016**  
**6:00 P.M.**

**600 EAST BUTTERFIELD ROAD**  
**ELMHURST, IL 60126**

## COMMITTEE MEMBERS

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

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

**RECOMMENDED MOTION: To approve the Minutes of the February 18, 2016 Engineering & Construction Committee Meeting of the DuPage Water Commission.**

- III. Report of Status of Construction/Operations
- IV. **R-9-16: A Resolution Approving Certain Work Authorization Orders Under Quick Response Electrical Contract QRE-7/15 (McWilliams Electric Co., Inc. – Estimated Cost \$7,570.00)**
- 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.

**DRAFT**

**MINUTES OF THE RESCHEDULED MEETING OF THE  
ENGINEERING & CONSTRUCTION COMMITTEE  
OF THE DUPAGE WATER COMMISSION  
HELD ON THURSDAY, FEBRUARY 18, 2016  
600 EAST BUTTERFIELD ROAD  
ELMHURST, ILLINOIS**

The meeting was called to order at 5:45 P.M.

Committee members in attendance: D. Loftus, R. Furstenau, and M. Scheck

Committee members absent: F. Saverino and J. Zay

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

Commissioner Scheck moved to approve the Minutes of the December 17, 2015 Engineering & Construction Committee Meeting of the DuPage Water Commission. Motion seconded by Commissioner Furstenau.

All voted aye: Motion passed

Due to time constraints, Chairman Loftus requested that the meeting commence with discussion of the action items listed on the agenda.

Regarding the Request for Board Action (RFBA) to approve the expenditure for the Infor EAM system annual software maintenance fee, Facilities Construction Supervisor Bostick advised the Committee that the request is due to Infor being the sole source provider of the Commission's Enterprise Asset Management system and the annual fee continues the service provider support for an additional year.

Regarding R-2-16, Facilities Construction Supervisor Bostick advised the Committee that the work as originally estimated and approved by prior resolution exceeded the estimate and R-2-16 seeks approval of Change Order No. 1 to Work Authorization Order No. 007 to Quick Response Contract 10/13 in the amount of \$1,003.57; bringing the final amount to \$6,503.57.

Facilities Construction Supervisor Bostick advised the Committee that certain work should be undertaken now in order to prepare two (2) sites for large diameter valve replacements scheduled for the next two fiscal years and Staff is requesting approval of R-3-16 and R-5-16 to undertake that work. Facilities Construction Supervisor Bostick advised the Committee that R-3-16 is for a Quick Response Electrical Contractor to excavate, disconnect and abandon certain underground electrical facilities as well as perform selective demolition of equipment within the valve vault structure related to Remotely Operated Valve (ROV) 14B in Lombard. In addition, Facilities Construction Supervisor Bostick advised the Committee that R-5-16 is for a Quick Response Contractor to perform exploratory excavations at ROV14B as well as a second location

on the Southwest Transmission Main in Oakbrook Terrace. Staff advised the Committee that the intent of the excavations is to locate and document underground conditions that may have been altered since the valves were originally installed circa 1988. Staff further explained that the information gathered will aid in planning and estimating the planned replacements. Chairman Loftus also added that by performing this work ahead of the actual replacements should decrease the cost of the replacement work due to limiting unknown conditions.

Regarding R-6-16, Staff advised the Committee the Resolution ratifies the approval and previous Board authorization of the General Manager to execute a new electrical supply pricing agreement. Staff advised that the new two-year Constellation New-Energy agreement includes a total electricity cost at \$0.04295 per kWh and it is anticipated that the Commission will realize a minimum of \$50,000.00 savings from the new pricing agreement as compared to the previous pricing agreement.

Regarding R-7-16, Facilities Construction Supervisor Bostick advised the Committee that Staff is recommending an award of the Contract for the Rehabilitation of Coating Systems and Fall Protection Systems for Tank Sites No. 1 and No. 4 East (Contract SS-7/16) to Era-Valdivia Contractors, Inc. as the lowest responsible bidder in the amount of \$2,907,580.00. Facilities Construction Supervisor Bostick further advised the Committee the Staff recommendation is being supported by legal and engineering opinions.

Regarding R-8-16, Facilities Construction Supervisor Bostick advised the Committee that Staff is recommending approval of a Change Order No. 1 to the Contract for Masonry, Concrete and Handrail Rehabilitation Work for the DuPage Pumping Station. This Change Order is necessary to: balance the final indeterminate quantities; to grant final acceptance of the project; and issue final payment upon receipt of all contractually required documentation. Facilities Construction Supervisor Bostick further advised the Committee that the Change Order also reduces the Contract Price by \$85,843.55, making the Final Contract Price \$173,156.45.

Chairman Loftus inquired with the Committee if there were any questions regarding the action items. Hearing none, Commissioner Furstenau moved to recommend approval of items 2 through 8 of the Engineering and Construction Committee portion of the Commission Agenda. Seconded by Commissioner Scheck.

All voted aye: Motion passed

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

Hearing none, Commissioner Scheck moved to adjourn the meeting at 6:04 P.M. Motion seconded by Commissioner Furstenau.

All voted aye: Motion passed



# 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: March 10, 2016

SUBJECT: Status of Operations

### Operations Overview

The Commission's sales for the month of February were a total of 1.895 billion gallons. This represents an average day demand of 65.4 million gallons per day (MGD), which is lower than the February 2015 average day demand of 67.6 MGD. The maximum day demand was 69.7 MGD on February 18, 2016, which is lower than the February 2015 maximum day demand of 74.4 MGD. The minimum day flow was 62.9 MGD.

The Commission's recorded total precipitation for the month of February was 1.23 inches compared to 1.45 inches for February 2015. The level of Lake Michigan for February 2016 is 579.26 (Feet IGLD 1985) compared to 579.06 (Feet IGLD 1985) for February of 2015

### Water Conservation

The following tours took place over the past month:

- A high school class from Downers Grove North
- A high school class from Downers Grove South
- Two high school classes from Glenbard East
- A SCARCE teacher tour

Memos have been posted on [dpwc.org/conservation/events/](http://dpwc.org/conservation/events/) regarding the above events.

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 completed the green audit and is working with SCARCE to set up a date for staff training.

## **Water Operations**

R-9-16 appears on the agenda requesting approval of Quick Response Electric Contract QRE-7/15, Work Authorization Order No. 2, for improvements to the Portable Emergency Generator as suggested in the 2014/2015 Condition Assessment. The work includes replacement and testing of cables and setting them within ground level wireways in order to protect the cables from the elements and also provide added safety by minimizing employee trip hazards.

## **Facilities Construction Overview**

### **Condition Assessment**

No Change: The Condition Assessment of the DPPS West Reservoir and Storm Water Detention Tank will coincide with the DPPS Reservoir hatch and vent work schedule.

### **Storage System Improvements**

New: The Contract for the Rehabilitation of Coating Systems and Fall Protection Systems for Tank Sites No. 1 and No. 4 East (Contract SS-7/16) with Era-Valdivia Contractors, Inc. is scheduled to be signed on March 15<sup>th</sup> where the Contractor will be providing a preliminary schedule of events for Staff review. The actual Contract Period commences on March 28<sup>th</sup> and ends on November 4<sup>th</sup>.

No Change: Manusos General Contracting, Inc. has completed the installation of the East Reservoir hatches, vents and stairway replacements. The Metering Station 19B sidewalk, stair and railing replacement is also complete. The Contractor is waiting on authorization to commence the work on the DPPS West Reservoir hatches and vents.

## **Instrumentation / Remote Facilities Overview**

Contract QRE-7/15 Work Authorization Order No. 01, previously approved under R-3-16, to perform electrical work related to ROV14B is complete.

### **Meter Shop**

The Annual Customer Meter Calibration program is about 70% complete. To date all meters have tested within contractual limits.

## **Wireless Data Project**

Staff is testing the new wi-fi coverage throughout the facility. Upon completion of this testing the Contractor, ITSavvy, will come on site to conduct training for Staff on managing the wireless network. ITSavvy will also conduct a site survey to measure wi-fi coverage to determine if any access points need to be relocated or added to improve coverage.

## **SharePoint, SQL Server & Data Management**

Staff is reorganizing data backup procedures to better ensure the ability to recover data in the event servers malfunction and/or data gets lost or corrupted. This involves setting up

comprehensive backup schedules in the SQL Server database management system with full, differential and transaction log backups locally that get copied to the cloud by the Mozy Pro data vendor. It also involves a search for software to backup manage SharePoint backup including content, configuration and customizations.

### **Pipeline Maintenance and Construction Overview**

Butterfield Road exploratory excavation authorized under R-5-16 is being scheduled.

Staff will resume cathodic protection test station installations upon permit approval from the Illinois Department of Transportation.

### **MARCH 2016 COMMISSION AGENDA ITEMS:**

**R-9-16:** A Resolution Approving Certain Work Authorization Orders Under Quick Response Electrical Contract QRE-7/15 (**McWilliams Electric Co., Inc. – Estimated Cost \$7,570.00**)

### **Attachments**

1. DuPage Laboratory Bench Sheets for February, 2016
2. Water Sales Analysis 01-September-2009 to 29- February -2016
3. Chart showing Commission sales versus allocations
4. Chart showing Commission sales versus historical averages

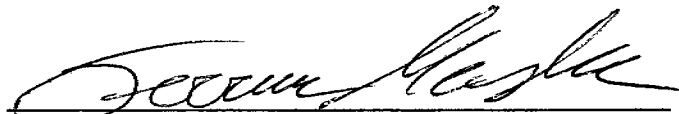
<http://sp2013/Status%20of%20Operations/2016/160310.docx>

DUPAGE WATER COMMISSION LABORATORY BENCH SHEET  
MONTHLY REPORT FOR FEBRUARY 2016

## LEXINGTON SUPPLY

## DUPAGE DISCHARGE

DAY	FREE CL <sub>2</sub> mg/l	TURBIDITY NTU	PO <sub>4</sub> mg/l	FREE CL <sub>2</sub> mg/l	TURBIDITY NTU	TEMP °F	pH	Fluoride	PO <sub>4</sub> mg/l	P.A.C. LBS/MG	ANALYST INT
1	0.98	0.09	0.57	0.97	0.09	35	7.5	0.8	0.56	0	CT
2	1.00	0.09	0.56	0.98	0.08	35	7.5	0.7	0.54	0	CT
3	1.00	0.09	0.57	0.98	0.09	35	7.5	0.8	0.55	0	RC
4	0.97	0.10	0.53	0.94	0.09	35	7.5	0.7	0.55	0	RC
5	0.98	0.10	0.53	0.95	0.09	35	7.6	0.7	0.56	0	RC
6	0.98	0.09	0.55	0.97	0.07	35	7.5	0.7	0.53	0	CT
7	0.99	0.09	0.53	0.97	0.08	35	7.5	0.8	0.53	0	CT
8	0.96	0.09	0.54	0.96	0.07	35	7.6	0.7	0.57	0	CT
9	0.91	0.09	0.51	0.92	0.07	35	7.5	0.8	0.53	0	RC
10	1.00	0.09	0.51	0.97	0.08	35	7.5	0.8	0.54	0	CT
11	0.97	0.09	0.53	0.97	0.08	35	7.5	0.8	0.53	0	CT
12	0.98	0.09	0.54	0.97	0.08	35	7.5	0.8	0.54	0	CT
13	0.93	0.09	0.51	0.95	0.08	35	7.5	0.8	0.57	0	RC
14	0.96	0.10	0.52	0.95	0.08	35	7.6	0.8	0.53	0	RC
15	0.96	0.09	0.51	0.94	0.08	35	7.5	0.8	0.51	0	CT
16	0.95	0.09	0.51	0.94	0.08	35	7.5	0.7	0.56	0	CT
17	0.94	0.09	0.54	0.93	0.07	35	7.5	0.7	0.55	0	RC
18	0.97	0.11	0.56	0.94	0.09	35	7.5	0.7	0.57	0	RC
19	0.97	0.09	0.54	0.96	0.09	35	7.5	0.7	0.57	0	RC
20	0.98	0.09	0.55	0.96	0.08	35	7.5	0.8	0.53	0	AM
21	0.96	0.09	0.58	0.95	0.07	35	7.5	0.8	0.54	0	AM
22	0.95	0.10	0.57	0.95	0.07	35	7.5	0.8	0.54	0	KD
23	0.95	0.09	0.55	0.95	0.09	35	7.6	0.7	0.52	0	KD
24	0.97	0.11	0.55	0.96	0.08	35	7.5	0.7	0.52	0	AM
25	0.98	0.11	0.52	0.96	0.08	35	7.5	0.7	0.51	0	AM
26	0.97	0.11	0.56	0.97	0.08	35	7.6	0.8	0.55	0	AM
27	0.95	0.09	0.55	0.97	0.08	35	7.5	0.8	0.56	0	KD
28	0.96	0.10	0.57	0.96	0.08	35	7.5	0.7	0.55	0	KD
29	0.96	0.09	0.56	0.95	0.09	35	7.5	0.8	0.55	0	AM
30										0	
31										0	
AVG	0.97	0.09	0.54	0.96	0.08	35	7.5	0.8	0.54	0	
MAX	1.00	0.11	0.58	0.98	0.09	35	7.6	0.8	0.57	0	
MIN	0.91	0.09	0.51	0.92	0.07	35	7.5	0.7	0.51	0	



Terrance McGhee  
Manager of Water Operations

DU PAGE WATER COMMISSION  
WATER SALES ANALYSIS

01-May-92 TO 29-Feb-16

PER DAY AVERAGE 79,955,962

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-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	2,051,521,517	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
Sep-14	2,228,595,000	2,290,499,879	97.30%	\$8,847,522.15	\$7,595,297.60	1,529,007	0.07%	97.36%	\$3.97	\$3.316
Oct-14	2,059,231,000	2,118,627,503	97.20%	\$8,175,147.07	\$7,025,368.80	786,729	0.04%	97.23%	\$3.97	\$3.316
Nov-14	1,930,966,000	1,981,464,856	97.45%	\$7,665,935.02	\$6,570,536.80	772,326	0.04%	97.49%	\$3.97	\$3.316
Dec-14	1,988,067,000	2,049,776,840	96.99%	\$7,892,625.99	\$6,797,060.00	675,456	0.03%	97.02%	\$3.97	\$3.316
Jan-15	2,054,769,000	2,114,481,626	97.18%	\$9,616,318.92	\$8,062,518.44	717,028	0.03%	97.21%	\$4.68	\$3.813
Feb-15	1,886,817,000	1,941,072,846	97.20%	\$8,830,303.56	\$7,401,310.76	543,923	0.03%	97.23%	\$4.68	\$3.813
Mar-15	2,094,277,000	2,161,266,992	96.90%	\$9,801,216.36	\$8,240,911.04	965,682	0.04%	96.95%	\$4.68	\$3.813
Apr-15	1,984,985,000	2,045,765,854	97.03%	\$9,289,729.80	\$7,800,505.20	10,301,376	0.50%	97.53%	\$4.68	\$3.813
May-15	2,215,394,000	2,283,051,057	97.04%	\$10,744,660.90	\$8,705,273.68	649,444	0.03%	97.06%	\$4.85	\$3.813
Jun-15	2,196,780,000	2,266,453,659	96.93%	\$10,654,383.00	\$8,641,987.80	468,148	0.02%	96.95%	\$4.85	\$3.813
Jul-15	2,448,256,000	2,522,026,667	97.07%	\$11,874,041.60	\$9,616,487.68	6,454,619	0.26%	97.33%	\$4.85	\$3.813
Aug-15	2,723,202,000	2,807,092,033	97.01%	\$13,207,529.70	\$10,703,441.92	1,048,363	0.04%	97.05%	\$4.85	\$3.813
Sep-15	2,341,098,000	2,428,433,496	96.40%	\$11,354,325.30	\$9,259,616.92	870,425	0.04%	96.44%	\$4.85	\$3.813
Oct-15	2,188,762,000	2,250,656,585	97.25%	\$10,615,495.70	\$8,581,753.56	1,989,028	0.09%	97.34%	\$4.85	\$3.813
Nov-15	1,894,247,000	1,942,187,317	97.53%	\$9,187,097.95	\$7,405,560.24	1,150,890	0.06%	97.59%	\$4.85	\$3.813
Dec-15	1,953,066,000	2,011,680,976	97.09%	\$9,472,370.10	\$7,670,539.56	516,414	0.03%	97.11%	\$4.85	\$3.813
Jan-16	2,033,443,000	2,091,170,472	97.24%	\$9,862,198.55	\$7,973,633.01	862,718	0.04%	97.28%	\$4.85	\$3.813
Feb-16	1,888,296,000	1,941,985,366	97.24%	\$9,158,235.60	\$7,404,790.20	563,984	0.03%	97.26%	\$4.85	\$3.813
TOTALS (1)	696,016,644,798	715,612,281,660	97.26%	\$1,212,353,293.38	\$1,119,457,153.01	684,477,753	0.10%	97.36%	\$1.74	\$1.564

(1) - SINCE MAY 1, 1992

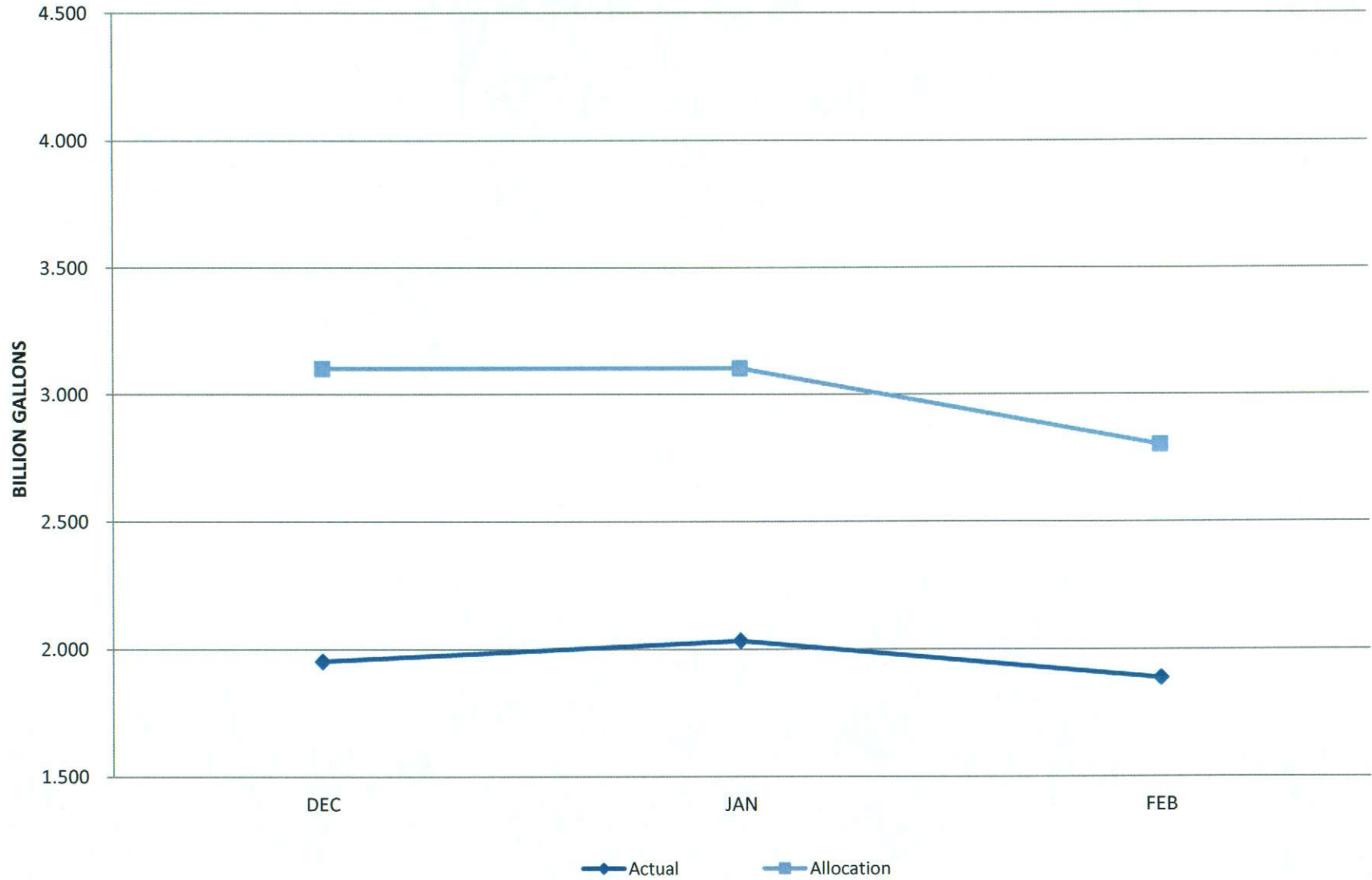
(2) - REPRESENTS DU PAGE PUMP STATION, METER TESTING AND CONSTRUCTION PROJECT USAGE

(3) - DOES NOT INCLUDE FIXED COST PAYMENTS

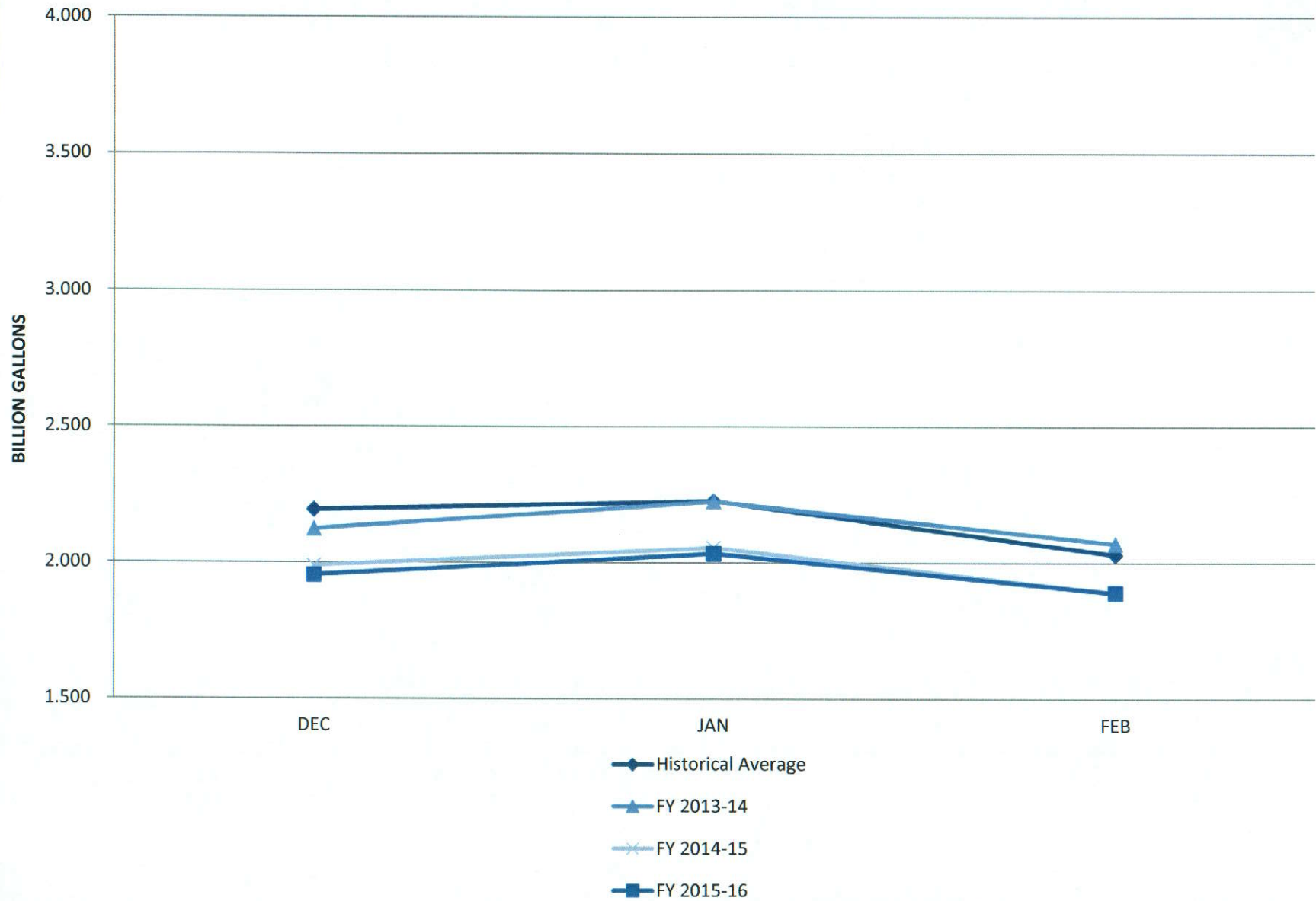
YTD	Feb-15	Feb-16	2,161,000	2,989,429	\$16,466,692	\$9,199,037	0.0%	0.0%	18.4%	12.0%
Month	Feb-15	Feb-16	1,886,817,000	1,941,072,846	8,830,304	7,401,311	\$4.68	\$3.813		
			1,888,296,000	1,941,985,366	9,158,236	7,404,790	\$4.85	\$3.813		
			1,479,000	912,520	\$ 327,932	\$ 3,479	0.1%	0.0%	3.7%	0.0%
Feb>Jan	(145,147,000)	(149,185,106)			(703,963)	(568,843)				



# DU PAGE WATER COMMISSION SALES FY 2015-16 VS. ALLOCATION

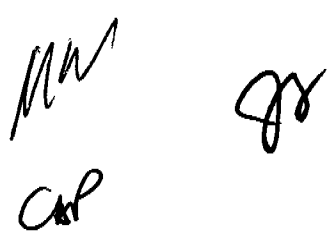


# DU PAGE WATER COMMISSION SALES FY 2015-16, 2014-15 & 2013-14 VS. HISTORICAL AVERAGE



DATE: March 1, 2016

## REQUEST FOR BOARD ACTION

<b>AGENDA SECTION</b>	Engineering & Construction Committee	<b>ORIGINATING DEPARTMENT</b>	Operations
<b>ITEM</b>	A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Electrical Contract QRE-7/15 at the March 17, 2016, DuPage Water Commission Meeting  Resolution No. R-9-16	<b>APPROVAL</b>  	

Account Number: 01-60-65600

The Commission entered into certain agreements dated December 29, 2015, with McWilliams Electric Co. Inc. and with Windy City Electric Co. for quick response electrical work as needed through the issuance of Work Authorization Orders. Resolution No. R-9-16 would approve the following Work Authorization Order under the Quick Response Electrical Contracts:

**Work Authorization Order No. 002:** This Work Authorization Order is to McWilliams Electric Company Inc. to perform items 1-9 below:

1. Provide and install 3 new 5KV utility cables and 1 new ground cable from existing J-Box, install through owner provided cable protectors to portable Generator, install lugs and terminate on both ends.
2. Install heat shrink and additional cable protection on cables to match existing.
3. 5KV cables to be Tele Fonika cable brand, Type JC500 500MCM.
4. Ground cable to be Tele Fonika cable brand, Type DLO 3/0.
5. Cable length required from junction box connection point to Generator connection point is approximately 71' for JC500 utility cables and 61' for DLO 3/0 ground cable, contractor responsible to confirm exact cable length required.
6. Cables are to be electrically tested prior to installation and report provided.
7. Cables markings i.e. Brown, Orange Yellow shall be same on new cables.
8. Disconnect and remove existing 5KV utility cables.
9. Store cables in owner provided storage box.

Quick Response Electrical Contractor	Estimated Cost
McWilliams Electric Co. Inc.	\$7,570.00
Windy City Electric Co.	\$13,000.00

The total cost for work is estimated at \$7,570.00

**MOTION:** To adopt Resolution No. R-9-16.

## DuPAGE WATER COMMISSION

## RESOLUTION NO. R-9-16

A RESOLUTION APPROVING AND RATIFYING  
CERTAIN WORK AUTHORIZATION ORDERS  
UNDER QUICK RESPONSE ELECTRICAL CONTRACT QRE-7/15  
AT THE MARCH 17, 2016, DuPAGE WATER COMMISSION MEETING

WHEREAS, the DuPage Water Commission (the "Commission") entered into certain agreements dated December 29, 2015, with McWilliams Electric Co. Inc. and with Windy City Electric Co., for quick response electrical work related to the Commission's Waterworks System (said agreements being hereinafter collectively referred to as "Contract QRE-7/15"); and

WHEREAS, Contract QRE-7/15 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 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 \_\_\_\_\_, 2016

\_\_\_\_\_  
Chairman

ATTEST:

\_\_\_\_\_  
Clerk

Exhibit 1

## WORK AUTHORIZATION ORDER

SHEET 1 OF 2

### CONTRACT QRE-7/15: QUICK RESPONSE ELECTRICAL CONTRACT

**PROJECT: QRE-7.002**

**LOCATION:**

DuPage Pumping Station, 600 E. Butterfield Rd. Elmhurst, IL. 60126

**CONTRACTOR:**

McWilliams Electric Company Inc.

**DESCRIPTION OF WORK:**

1. Provide and install 3 new 5KV utility cables and 1 new ground cable from existing J-Box, install through owner provided cable protectors to portable Generator, install lugs and terminate on both ends.
2. Install heat shrink and additional cable protection on cables to match existing.
3. 5KV cables to be Tele Fonika cable brand, Type JC500 500MCM.
4. Ground cable to be Tele Fonika cable brand, Type DLO 3/0.
5. Cable length required from junction box connection point to Generator connection point is approximately 71' for JC500 utility cables and 61' for DLO 3/0 ground cable, contractor responsible to confirm exact cable length required.
6. Cables are to be electrically tested prior to installation and report provided.
7. Cables markings i.e. Brown, Orange Yellow shall be same on new cables.
8. Disconnect and remove existing 5KV utility cables.
9. Store cables in owner provided storage box.

**REASON FOR WORK:**

Electrical feeder cables for the portable 2.5 MW emergency generator are on the ground and are exposed to inclement weather and possible damage from yard maintenance and traffic. Installing new cables in cable protectors will protect cables from possible damage.

**MINIMUM RESPONSE TIME:**

To be completed no later than April 30, 2016.

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

Fourteen sections of MG5200 5-channel Cable Protectors.

**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: \_\_\_\_\_