



DuPage Water Commission

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

AGENDA

ENGINEERING & CONSTRUCTION COMMITTEE
THURSDAY, NOVEMBER 19, 2015
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 October 15, 2015 Engineering & Construction Committee Meeting of the DuPage Water Commission.

- III. Report of Status of Construction/Operations
- IV. **R-34-15:** A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Electrical Contract QRE-6/12 – WAO 6.022 (**McWilliams Electric Co. Estimated not-to-exceed \$3,000.00**)
- V. **R-35-15:** A Resolution Approving and Ratifying Certain Contract SS-6/15 Change Orders: Revise Contract Completion Date, Balance of Indeterminate Unit Prices, Grant Final Acceptance (**Era-Valdivia Contractors – Net Decrease of \$17,645.00**)
- VI. Old Business
- VII. Other
- VIII. Adjournment

Agendas\Engineering\2015\Eng1511.docx

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 A MEETING OF THE
ENGINEERING & CONSTRUCTION COMMITTEE
OF THE DUPAGE WATER COMMISSION
HELD ON THURSDAY, OCTOBER 15, 2015
600 EAST BUTTERFIELD ROAD
ELMHURST, ILLINOIS**

The meeting was called to order at 6:00 P.M.

Committee members in attendance: D. Loftus, R. Furstenau, F. Saverino, M. Scheck and J. Zay

Committee members absent: None

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

Commissioner Furstenau moved to approve the Minutes of the September 17, 2015 Engineering & Construction Committee Meeting of the DuPage Water Commission. Motion seconded by Commissioner Saverino and passed as follows:

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

Nays: None

Absent: None

Facilities Construction Supervisor Bostick provided an oral report of the Status of Construction/Operations memorandum from October 8, 2015:

Regarding the Contract for the Rehabilitation of Coating Systems and Fall Protection Systems for Tank Sites No. 2 and No. 4 West (Contract SS-6/15), Facilities Construction Supervisor Bostick advised the Committee that Tanksite #2 is back in operation and minor punch-list deficiencies are being attended to. Facilities Construction Supervisor Bostick further advised the Committee the Contractor has completed the Tanksite #4W exterior painting; interior painting is expected to be complete next week and return to operation is expected by the end of October.

Facilities Construction Supervisor Bostick advised the Committee that bidding document development for the 2016 Standpipe Rehabilitation project is ongoing and as requested by Chairman Loftus, a copy of the bid package will be provided for his review and comment prior to its release.

Facilities Construction Supervisor Bostick advised the Committee the Contractor for Reservoir and Meter Station 19B Concrete and Miscellaneous Metals Rehabilitation has received all materials for the hatch and vent replacements at the DuPage Pumping Station and preparations for the reservoir Condition Assessment program inspections are underway which will be followed by the actual construction activities.

Engineering Committee Minutes 10/15/2015

Facilities Construction Supervisor Bostick advised the Committee that Masonry, Concrete Parapet and Railing Rehabilitation Work at the DuPage Pumping Station is underway and is progressing quite well.

Regarding Instrumentation and Remote Facilities Maintenance, Facilities Construction Supervisor Bostick advised the Committee that resolution R-32-15 appears on the agenda seeking authorization to advertise for a new Quick Response Electrical work contract in efforts to engage multiple qualified electrical firms to perform work on an as-needed basis at Commission owned facilities for a period not to exceed two (2) years.

Regarding R-33-15, Facilities Construction Supervisor Bostick advised the Committee that with the reconstruction of the DPPS reservoir hatches, certain modifications have become necessary for the security systems. Facilities Construction Supervisor Bostick advised the Committee that Staff is seeking approval of Work Authorization Order No. 6.021 which would allow for rough-in of certain features by a current QRE Contractor at an estimated cost of \$21,500.00, while DWC Staff would perform the finish work and complete the project in-house.

Regarding Pipeline Maintenance, Facilities Construction Supervisor Bostick advised the Committee that vacuum excavation work is complete as of today and was completed ahead of schedule.

General Manager Spatz entered the meeting at 6:08 P.M.

Regarding R-29-15, Facilities Construction Supervisor Bostick advised the Committee that the Commission opened bids for the purchase of two (2) 60-inch diameter butterfly valves, and Staff is recommending award to the lowest responsible bidder, Crispin Valve, in the amount of \$87,746.00. General Manager Spatz advised the Committee that all other bidders failed to submit proposals that met specification. The Commission specified that the valve seat must be on the body of the valve.

General Manager Spatz left the meeting at 6:12 P.M.

Regarding R-31-15, Facilities Construction Supervisor Bostick advised the Committee that Quick Response Work Authorization Order No. 11 would authorize John Neri Construction Co. to provide equipment and labor to off load large piping deliveries and place the pipe in the Commission's storage facilities.

Chairman Loftus inquired with the Committee if there were any questions regarding the Status of Operations report or action items. Hearing none, Commissioner Furstenau moved to recommend approval of items 2 through 5 of the Engineering and Construction Committee portion of the Commission Agenda. Seconded by Commissioner Scheck and passed unanimously as follows:

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

Nays: None

Absent: None

Engineering Committee Minutes 10/15/2015

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

Hearing none, Commissioner Saverino moved to adjourn the meeting at 6:15 P.M. Motion seconded by Commissioner Scheck and passed unanimously as follows:

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

Nays: None

Absent: None

SP2013/MINUTES/ENGINEERING/2015/ENG151015.doc



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: November 12, 2015

SUBJECT: Status of Operations

Operations Overview

The Commission's sales for the month of October were a total of 2.200 billion gallons. This represents an average day demand of 71.0 million gallons per day (MGD), which is higher than the October 2014 average day demand of 66.6 MGD. The maximum day demand was 79.4 MGD on October 6, 2015, which is higher than the October 2014 maximum day demand of 75.5 MGD. The minimum day flow was 61.6 MGD.

The Commission's recorded total precipitation for the month of October was 2.23 inches compared to 2.48 inches for October 2014. The level of Lake Michigan for October 2015 is 579.33 (Feet IGLD 1985) compared to 578.84 (Feet IGLD 1985) for October of 2014.

Water Conservation

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.

Facilities Construction Overview

Condition Assessment

AECOM performed the assessment of the DPPS East Reservoir. The Condition Assessment of the DPPS West Reservoir and Stormwater Detention Tank will coincide with the DPPS Reservoir hatch and vent work schedule.

Storage System Improvements

The Contract for the Rehabilitation of Coating Systems and Fall Protection Systems for Tank Sites No. 2 and No. 4 West (Contract SS-6/15) is complete.

R-35-15 appears on the agenda requesting approval of Change Order No. 2 which: revises the Contract Completion Date; grants Final acceptance; authorizes Final Payment and release of Retainage to the Contractor conditioned upon receipt of required documentation; and to balance the Indeterminate Unit Price items resulting in a reduction in Contract Price. Both Staff and the Resident Engineer are recommending this action in favor of the Contractor, Era-Valdivia Contracting, Inc.

The Engineer and Staff have completed the bid documents for the FY-15/16 painting project and will be out for bids by November 19th.

The Contractor has commenced the demolition of the DPPS East Reservoir hatches. Forming and pouring of the new concrete curbs and installation of the East Reservoir hatches and vents will be completed within the month.

DuPage Pumping Station

Concrete Parapet and Railing Rehabilitation Work at the Generator Facility Buildings is complete and the Masonry Rehabilitation is underway. Completion is expected by the end of November. Staff is developing a bid package to continue the Concrete Parapet, Masonry, and Window Rehabilitation Work outlined in the 2014-2015 Condition Assessment. It is the intention of Staff to have the rehabilitation work performed in 2016 in anticipation of the project being authorized in the FY-16/17 budget.

Instrumentation / Remote Facilities Overview

QRE-7/15 contract has been advertised in the Chicago Tribune and the Dailey Herald. Emails were sent to 26 electrical contractors in the Chicago/DuPage area inviting them to bid on the Quick Response Electrical Contract. There are currently three firms interested in responding to the RFP. Bid opening is scheduled for November 24th at 1:00PM.

Resolution R-34-15 appears on the agenda requesting authorization of Work Authorization Order QRE-6.022 to supply and install a 480VAC Phase Monitoring Device on the utility side of the main breaker at the pump station at tank site 1 in Roselle. This device will interfaced with the existing RTU and will allow remote monitoring of when power has been restored after a power outage.

Meter Shop

The Annual Customer Meter Calibration program is about 30% complete.

Wireless Data Project

No Change - Staff is working with a contractor, ITSavvy, to install wireless access throughout the DuPage Pumping Station campus.

Pipeline Maintenance and Construction OverviewPipeline Maintenance

Staff has completed cathodic protection test station installations for this calendar year.

Work has begun work on insulating shallow (less than 5ft. in depth) Access/Air-Release Valve Vault corporation stops. This work is being done as a precaution against freezing of the 2" brass valves installed on the top of water main exposed within the vaults.

John Neri Construction Co. Inc. has completed pavement repairs and manhole frame & lid replacements authorized under R-22-15.

Airy's Inc. has completed vacuum excavation work authorized under R-24-15.

NOVEMBER 2015 COMMISSION AGENDA ITEMS:

- R-34-15:** A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Electrical Contract QRE-6/12 – WAO 6.022 **(McWilliams Electric Co. Estimated not-to-exceed \$3,000.00)**
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Attachments

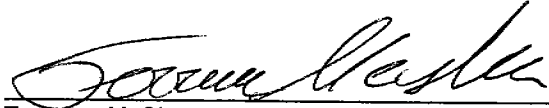
1. DuPage Laboratory Bench Sheets for October, 2015
2. Water Sales Analysis 01-September-2009 to 31-October-2015
3. Chart showing Commission sales versus allocations
4. Chart showing Commission sales versus historical averages

DUPAGE WATER COMMISSION LABORATORY BENCH SHEET
MONTHLY REPORT FOR OCTOBER 2015

LEXINGTON SUPPLY

DUPAGE DISCHARGE

DAY	LEXINGTON SUPPLY		DUPAGE DISCHARGE		TEMP °F	pH	Fluoride	PO ₄ mg/l	P.A.C. LBS/MG	ANALYST INT	
	FREE CL ₂ mg/l	TURBIDITY NTU	FREE CL ₂ mg/l	TURBIDITY NTU							
1	0.93	0.09	0.58	0.95	0.09	71	7.6	1.1	0.58	0	KD
2	0.95	0.09	0.56	0.98	0.10	71	7.6	1.0	0.57	0	KD
3	0.98	0.09	0.58	0.99	0.09	70	7.6	1.1	0.56	0	CT
4	0.98	0.08	0.56	1.00	0.09	70	7.6	1.1	0.56	0	CT
5	0.95	0.09	0.57	0.98	0.08	70	7.6	1.1	0.58	0	RC
6	0.99	0.09	0.55	1.03	0.06	69	7.6	1.0	0.57	0	RC
7	1.00	0.09	0.56	1.05	0.06	69	7.5	0.9	0.57	0	CT
8	1.00	0.08	0.56	1.02	0.07	69	7.6	1.0	0.55	0	CT
9	0.94	0.09	0.58	0.98	0.07	69	7.6	1.0	0.51	0	CT
10	0.95	0.09	0.57	0.98	0.07	69	7.6	1.1	0.57	0	RC
11	0.96	0.09	0.57	0.97	0.08	69	7.5	1.1	0.57	0	RC
12	0.96	0.10	0.52	0.98	0.08	69	7.5	0.9	0.52	0	CT
13	0.97	0.09	0.57	0.99	0.08	69	7.5	0.9	0.55	0	CT
14	0.97	0.10	0.57	0.99	0.07	68	7.5	1.1	0.58	0	RC
15	0.95	0.10	0.56	0.98	0.07	68	7.6	1.1	0.55	0	RC
16	0.93	0.10	0.55	0.96	0.07	69	7.5	1.0	0.55	0	RC
17	0.96	0.10	0.55	0.97	0.07	69	7.5	1.0	0.50	0	CT
18	0.97	0.10	0.55	0.99	0.09	68	7.5	1.0	0.54	0	CT
19	0.95	0.10	0.54	0.98	0.08	68	7.6	1.0	0.57	0	RC
20	0.96	0.10	0.58	0.99	0.08	68	7.5	1.0	0.56	0	RC
21	0.93	0.09	0.52	0.95	0.07	68	7.5	1.0	0.58	0	CT
22	0.94	0.09	0.57	0.97	0.07	67	7.5	1.0	0.56	0	CT
23	0.94	0.09	0.55	0.96	0.08	68	7.5	1.1	0.58	0	CT
24	0.93	0.09	0.57	0.94	0.09	68	7.5	1.0	0.59	0	CT
25	0.93	0.09	0.56	0.96	0.08	67	7.6	1.0	0.56	0	RC
26	0.95	0.09	0.58	0.97	0.09	68	7.6	1.0	0.57	0	CT
27	0.97	0.09	0.58	0.99	0.09	68	7.6	1.0	0.58	0	CT
28	0.97	0.08	0.57	1.00	0.08	67	7.6	1.0	0.59	0	RC
29	0.95	0.09	0.55	0.98	0.08	67	7.5	1.0	0.59	0	RC
30	0.97	0.09	0.57	0.98	0.08	68	7.5	0.9	0.56	0	RC
31	0.95	0.09	0.56	0.97	0.09	68	7.6	1.0	0.58	0	AM
AVG	0.96	0.09	0.56	0.98	0.08	69	7.6	1.0	0.56	0	
MAX	1.00	0.10	0.58	1.05	0.10	71	7.6	1.1	0.59	0	
MIN	0.93	0.08	0.52	0.94	0.06	67	7.5	0.9	0.50	0	



Terrance McGhee
Manager of Water Operations

DU PAGE WATER COMMISSION
WATER SALES ANALYSIS

01-May-92 TO 31-Oct-15

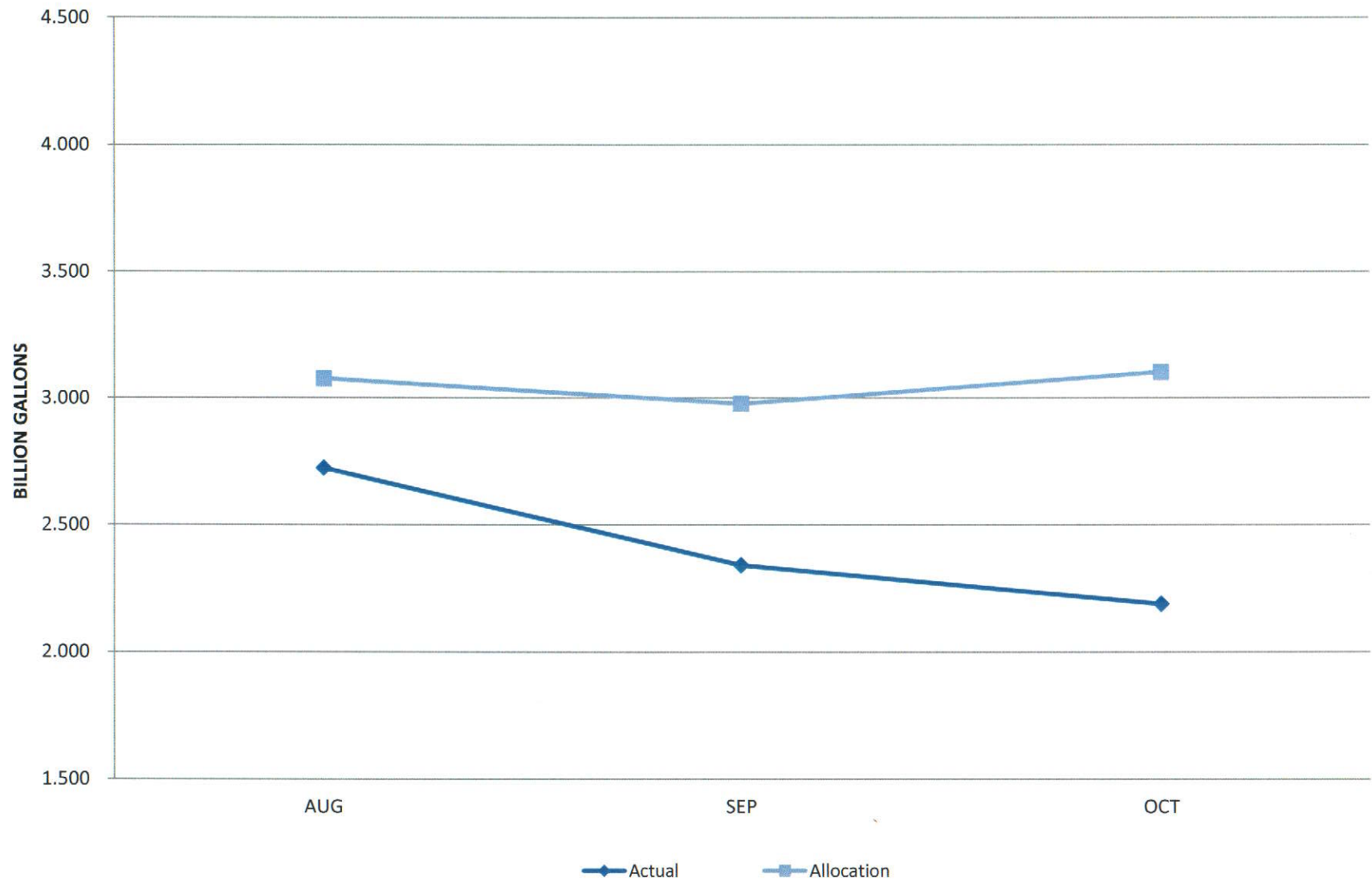
PER DAY AVERAGE 80,177,958

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	2,051,521,527	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
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	1,981,464,656	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
TOTALS (1)	688,247,592,798	707,625,257,529	97.26%	\$1,174,673,391.18	\$1,089,002,630.00	681,383,747	0.10%	97.36%	\$1.71	\$1.539

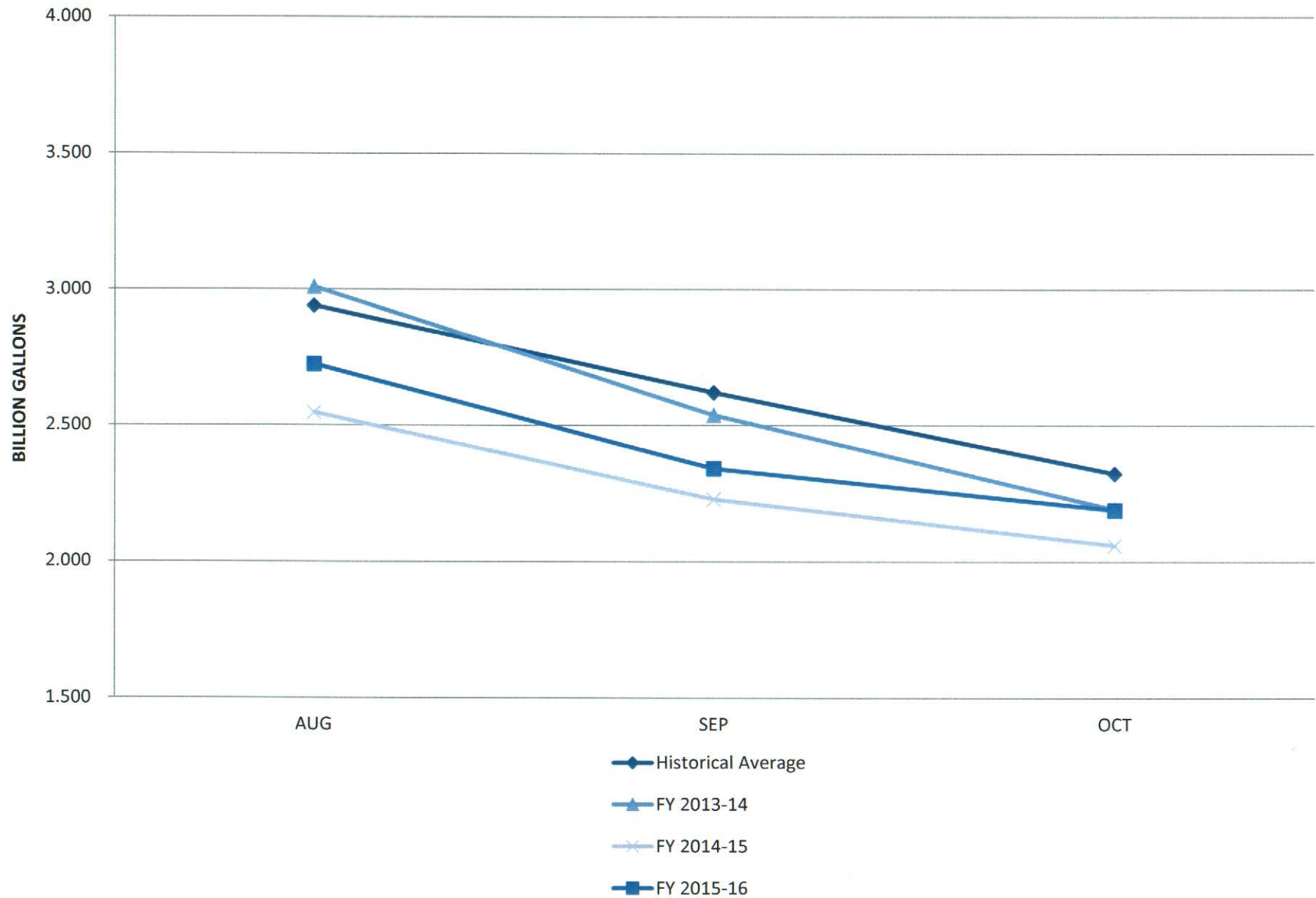
- (1) - SINCE MAY 1, 1992
- (2) - REPRESENTS DU PAGE PUMP STATION, METER TESTING AND CONSTRUCTION PROJECT USAGE
- (3) - DOES NOT INCLUDE FIXED COST PAYMENTS

YTD										
Oct-14	14,019,764,000	14,454,952,231	96.99%	55,658,463	47,932,622				\$3.97	\$3.316
Oct-15	14,113,492,000	14,557,713,497	96.95%	68,450,436	55,508,562				\$4.85	\$3.813
	93,728,000	102,761,266		\$12,791,973	\$7,575,940					
	0.7%	0.7%		23.0%	15.8%					
Month										
Oct-14	2,059,231,000	2,118,627,503	97.20%	8,175,147	7,025,369				\$3.97	\$3.316
Oct-15	2,188,762,000	2,250,656,585	97.25%	10,615,496	8,581,754				\$4.85	\$3.813
	129,531,000	132,029,082		\$ 2,440,349	\$ 1,556,385					
	6.3%	6.2%		29.9%	22.2%					
Oct>Sept	(152,336,000)	(177,776,911)		(738,830)	(677,863)					

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: November 12, 2015

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 November 19, 2015, DuPage Water Commission Meeting Resolution No. R-34-15	APPROVAL	<i>Full</i> <i>JR</i> <i>CAP</i>

Account Numbers: 01-60-663300 (\$3,000)

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-34-15 would approve the following Work Authorization Order under the Quick Response Electrical Contracts:

Work Authorization Order No. 022: This Work Authorization is to McWilliams Electric Co. Inc. to provide and install a 3-Phase 480VAC monitoring relay interfaced to SCADA to remotely monitor the status of ComEd power. Currently we are blind when we lose ComEd power at this location. The RTU has battery backup, but it requires someone going there to check if power has been restored and then to reset the main breaker. Knowing when power has been restored will be a great help and time saver.

Both QRE contractors came on site to see the proposed work along with receiving a draft copy of the Work Authorization Order to provide an estimate, see table below.

QRE Contractor	Description	Total
Divane	To provide and install a phase monitoring relay	\$18,875.00
McWilliams	To provide and install a phase monitoring relay	\$2,730.00

The total cost for this work is estimated to not exceed \$3,000.00

MOTION: To adopt Resolution No. R-34-15.

DUPAGE WATER COMMISSION

RESOLUTION NO. R-34-15

A RESOLUTION APPROVING AND RATIFYING
CERTAIN WORK AUTHORIZATION ORDERS
UNDER QUICK RESPONSE ELECTRICAL CONTRACT QRE-6/12
AT THE NOVEMBER 19, 2015, 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 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 _____, 2015

Chairman

ATTEST:

Clerk

Exhibit 1

WORK AUTHORIZATION ORDER

SHEET 1 OF 2

CONTRACT QRE-6/12: QUICK RESPONSE ELECTRICAL CONTRACT

PROJECT: QRE-6.022

LOCATION:

Tank Site No. 1 Pumping Station, Roselle

CONTRACTOR:

TBD

DESCRIPTION OF WORK:

Provide and install a 3-Phase 480VAC monitoring relay with a dry contact output in the switchgear on the ComEd input side of the 3-Phase main breaker. Install ¾" Heavy Wall Conduit between the switchgear and the Remote Terminal Unit (RTU) cabinet. Pull owner provide two (2) 14ga stranded wires between the switchgear and RTU cabinet. Terminate at the relay on a Normally Open set of contacts and leave 10' of coiled wire inside RTU cabinet for DWC staff to terminate.

REASON FOR WORK:

The main breaker trips on any power outage of one or more phases. There is no monitoring of the ComEd side of the main breaker to know when power has been restored after a power outage. The RTU has battery backup and radio telemetry to provide this information to the control room.

MINIMUM RESPONSE TIME:

Completed before 12/31/15

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

THE WORK ORDERED PURSUANT TO THIS WORK AUTHORIZATION ORDER

IS IS NOT PRIORITY EMERGENCY WORK

SUBMITTALS REQUESTED:

Data sheet for the 3-phase monitoring device

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:

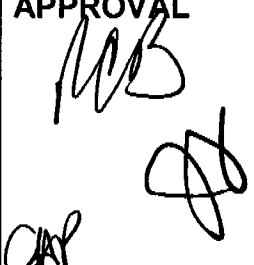
By: _____
Signature of Authorized
Representative

DATE: _____

DATE: November 12, 2015

REQUEST FOR BOARD ACTION

AGENDA SECTION	Omnibus Vote Requiring Super-Majority or Special Majority Vote	ORIGINATING DEPARTMENT	Facilities Construction/Safety Coordinator
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ITEM	A Resolution Approving and Ratifying Certain Contract SS-6/15 Change Orders at the November 19, 2015, DuPage Water Commission Meeting Resolution No. R-35-15	APPROVAL 
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Account Numbers: 01-60-770701

Resolution No. R-35-15 would approve the following Change Orders:

Change Order No. 2 to Contract Rehabilitation of Coating Systems and Fall Protection Systems for Tank Site No. 2 and No. 4 West (Contract SS-6/15). After the Contract was executed, the Design Engineer determined the Contract time was vastly insufficient to complete the Work. In consultation with the Commission's Resident Engineering Firm, Staff has determined a revised Contract Completion Date of October 30, 2015 would be a suitable date given the amount of Work required to perform a complete rehabilitation of both standpipes.

In addition, there are several indeterminate unit price items included in the Contract. The exact number of units was to be determined by the Resident Engineer and the final Contract Price determined accordingly. The modified units and Contract Price modification is as listed in the table below.

<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Contract Quantity</u>	<u>Price Per Unit</u>	<u>Adjusted Quantity</u>	<u>Final Quantity</u>	<u>Extension</u>
D.1	Repair Welding	Man-Hours	50	\$130.00	(50)	0	(\$6,500.00)
E.1	Pit Filling and Surfacing	Gallons	6	\$380.00	(6)	0	(\$2,280.00)
F.1	Interior Chipping and Grinding	Man-Hours	140	\$130.00	(140)	0	(\$18,200.00)
G.1	Balcony Drain Holes	Each	50	\$100.00	0	50	\$5,000.00
H.1	Miscellaneous Additional Work	Man-Hours	100	\$130.00	(66.5)	33.5	\$4,335.00

Net Decrease (\$17,645.00)

Miscellaneous Additional Work includes work requested by Staff for the future installation of temperature monitoring devices and also the installation of additional raceway for cabling located within the tanks, less the cost of Staff performed repairs to Commission equipment damaged by the Contractor's operations.

Approval of this Change Order would decrease the net Contract Price by \$17,645.00 making the Final Contract Price \$2,962,091.00.

Resolution No. R-35-15

AGENDA SECTION Omnibus Vote Requiring Super-Majority or Special Majority Vote	ORIGINATING DEPARTMENT Facilities Construction/Safety Coordinator
ITEM A Resolution Approving and Ratifying Certain Contract SS-6/15 Change Orders at the November 19, 2015, DuPage Water Commission Meeting Resolution No. R-35-15	APPROVAL
<p>Approval of this Change Order does not authorize or necessitate a decrease in the Contract Price that is 50% or more of the original Contract Price nor, based upon the Contractor's sworn certification, authorize or necessitate an increase in the price of any subcontract under the Contract that is 50% or more of the original subcontract price.</p> <p>This Change Order would also grant Final Acceptance of the Work and Allow the General Manager to make Final Payment, including the release of all monies held in Retainage, conditioned upon receipt of all contractually required documentation.</p>	
MOTION: To approve Resolution No. R-35-15.	

DuPAGE WATER COMMISSION

RESOLUTION NO. R-35-15

A RESOLUTION APPROVING AND RATIFYING
CERTAIN CONTRACT CHANGE ORDERS AT THE
NOVEMBER 19, 2015, DuPAGE WATER COMMISSION MEETING

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

SECTION ONE: The Change Orders set forth on Exhibit 1, attached hereto and by this reference incorporated herein and made a part hereof, 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 Contractors, that the circumstances said to necessitate the changes were not reasonably foreseeable at the time the contracts were signed, the Change Orders are germane to the original contracts as signed and/or the Change Orders are in the best interest of the DuPage Water Commission and authorized by law.

SECTION TWO: 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.

AYES:

NAYS:

ABSENT:

ADOPTED this _____ day of _____, 2015.

Chairman

ATTEST:

Clerk

Exhibit 1

Resolution No. R-18-15

1. Change Order No. 2 to Contract Rehabilitation of Coating Systems and Fall Protection Systems for Tank Site No. 2 and No. 4 West (Contract SS-6/15) for a \$17,645.00 net decrease in the Contract Price due to the balancing of indeterminate items; Modify the Contract Completion date to October 30, 2015; and Grant Final Acceptance of the Work.

**DUPAGE WATER COMMISSION
CHANGE ORDER**

SHEET 1 OF 3

PROJECT NAME: Rehabilitation of Coating Systems
and Fall Protection Systems for
Tank Site No. 2 and No. 4 West

CHANGE ORDER NO. 2

LOCATION: DuPage County, Illinois

CONTRACT NO. SS-6/15

CONTRACTOR: Era-Valdivia Contractors, Inc.

DATE: November 19, 2015

I. A. DESCRIPTION OF CHANGES INVOLVED:

1. Modify the Contract Completion from Calendar Days to an actual Contract Completion Date
2. Balancing of final indeterminate unit price items and grant Final Acceptance.

B. REASON FOR CHANGE:

1. After the Contract was executed, the Design Engineer determined the Contract time was vastly insufficient to complete the specified task. The Commission's Resident Engineer determined that the Contract Completion Date of October 30, 2015 was a suitable Completion date and allowed the Contractor sufficient time to complete the Work.
2. Close out of indeterminate items.

C. REVISION IN CONTRACT PRICE:

1. Not Applicable
2. Net Decrease of \$17,645.00 as detailed below.

<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Contract Quantity</u>	<u>Price Per Unit</u>	<u>Adjusted Quantity</u>	<u>Final Quantity</u>	<u>Extension</u>
D.1	Repair Welding	Man-Hours	50	\$130.00	(50)	0	(\$6,500.00)
E.1	Pit Filling and Surfacing	Gallons	6	\$380.00	(6)	0	(\$2,280.00)
F.1	Interior Chipping and Grinding	Man-Hours	140	\$130.00	(140)	0	(\$18,200.00)
G.1	Balcony Drain Holes	Each	50	\$100.00	0	50	\$5,000.00
H.1	Miscellaneous Additional Work	Man-Hours	100	\$130.00	(66.5)	33.5	\$4,335.00
Net Decrease							(\$17,645.00)

II. CHANGE ORDER CONDITIONS:

1. The Contract Period established in the Contract, as signed or as modified by previous Change Orders, is hereby modified to a Contract Completion Date of October 30, 2015.
2. Any Work to be performed under this Change Order shall be provided, performed, and completed in full compliance with, and as required by or pursuant to, the Contract, including any Specifications and Contract Drawings for the Work to be performed under this Change Order and for Work of the same type as the Work to be performed under this Change Order, and as specified in the preceding "Description of Changes Involved."
3. Unless otherwise provided herein, all Work included in this Change Order shall be guaranteed and warranted as set forth in, and Contractor shall not be relieved from strict compliance with, the guaranty and warranty provisions of the Contract.
4. All Work included in this Change Order shall be covered under the Bonds and the insurance coverages specified in the Contract. If the Contract Price, including this Change Order, exceeds the Contract Price set forth in the Contract, as signed, by twenty percent (20%), Contractor shall submit to Owner satisfactory evidence of such increased coverage under the Bonds if requested by Owner.

III. ADJUSTMENTS IN CONTRACT PRICE:

1.	Original Contract Price	\$	<u>3,106,980.00</u>
2.	Net (addition) reduction due to all previous Change Orders Nos. <u>1</u> to <u>1</u>	\$	<u>109,264.00</u>
3.	Contract Price, not including this Change Order	\$	<u>2,997,716.00</u>
4.	(Addition) Reduction to Contract Price due to this Change Order	\$	<u>17,645.00</u>
5.	Contract Price including this Change Order	\$	<u>2,980,091.00</u>

RECOMMENDED FOR ACCEPTANCE:

CONSULTING ENGINEERS: Dixon Engineering, Inc.

By: _____ ()
 Signature of Authorized Representative Date

ACCEPTED: By my authorized signature below, being first duly sworn on oath, I certify on behalf of Contractor that this Change Order does not authorize or necessitate an increase in the price of any subcontract under the Contract that is 50% or more of the original subcontract price.

CONTRACTOR: Era-Valdivia Contractors, Inc.

By: _____ ()
 Signature of Authorized Representative Date

DUPAGE WATER COMMISSION:

By: _____ ()
 Signature of Authorized Representative Date