

DuPage Water Commission

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

AGENDA ENGINEERING & CONSTRUCTION COMMITTEE THURSDAY, DECEMBER 15, 2016 6:00 P.M.

600 EAST BUTTERFIELD ROAD ELMHURST, IL 60126

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

COMMITTEE MEMBERS

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

RECOMMENDED MOTION: To approve the Minutes of the November 17, 2016 Engineering & Construction Committee Meeting of the DuPage Water Commission.

- III. Report of Status of Construction/Operations
- IV. Request For Board Action To suspend the purchasing procedures of the Commission's By-Laws and authorize the General Manager to approve Requisition No. 44031 (Infor Enterprise Asset Management System Annual Software Maintenance Agreement \$42,911.01)
- V. Old Business
- VI. Other
- VII. Adjournment

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MINUTES OF A MEETING OFTHE ENGINEERING & CONSTRUCTION COMMITTEE OF THE DUPAGE WATER COMMISSION HELD ON THURSDAY, NOVEMBER 17, 2016 600 EAST BUTTERFIELD ROAD ELMHURST, ILLINOIS

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

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

Committee members absent: None

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

Commissioner Scheck moved to approve the Minutes of the October 20, 2016 Engineering & Construction Committee Meeting of the DuPage Water Commission. Motion seconded by Chairman Zay.

All voted aye: Motion passed

Facilities Construction Supervisor Bostick provided an oral summary of the Status of Operations reports dated November 10, 2016:

Regarding Operations Maintenance, Facilities Construction Supervisor Bostick advised the Committee R-34-16 appears on the agenda seeking award of two (2) separate contracts for 36-Month Maintenance, Parts and Repair Service for Large Electric Motors at the DuPage Pumping Station. Facilities Construction Supervisor Bostick advised the Committee that both Dreisilker Electric Motors, Inc. and Integrated Power Services submitted responsive bids of which Dreisilker submitted the lowest dollar bid when comparing unit price extensions. In response to a Chairman Loftus question, General Manager Spatz advised the Committee that it is Staff's intent to use Dreisilker as the primary contractor for repairs as needed, but if Dreisilker was unable to perform repairs in a timely manner then Integrated Power Services would be employed to get the Commission's critical equipment back in service and without the need for further Board action. General Manager Spatz also confirmed that by entering into the contracts, the contracts do not guarantee either contractor any work.

Regarding the Contract for the Rehabilitation of Coating Systems and Fall Protection Systems for Tank Sites No. 1 (Roselle) and No. 4 East (75th Street in Lisle Township) with Era-Valdivia Contractors, Inc., Facilities Construction Supervisor Bostick reported the tank coating project is complete at both sites except for minor punch list work. Facilities Construction Supervisor Bostick also advised that 1st year anniversary inspections of the work performed on two standpipes in 2015 have been completed with

minor issues found and subsequently resolved.

Regarding the Masonry Rehabilitation and Window Replacements at the DuPage Pumping Station, Facilities Construction Supervisor Bostick reminded the Committee that Mertes Contracting Corp. has completed the work on the masonry and structural glazed tile rehabilitation and advised the window work is scheduled to begin on Monday 11/21.

Facilities Construction Supervisor Bostick advised the Committee that the annual Customer Meter Testing Program is approximately 28% complete and without any issues reported.

Regarding Quick Response Electric Contract QRE-7/15, Facilities Construction Supervisor Bostick advised the Committee that Work Authorization Order (WAO) No. 09 to Windy City Co. Inc., for the re-installation of the equipment into the Remotely Operated Valve (ROV 14B) in Lombard is ongoing with the balance of work to be completed in Spring 2017. In addition, the Committee was advised WAO No. 11, to modify an existing telecommunications conduit at the DuPage Pumping Station, is complete.

Facilities Construction Supervisor Bostick advised the Committee that the large diameter valve replacement on Butterfield Road and Fairfield Avenue is complete, and final site restoration has been performed. Facilities Construction Supervisor Bostick further advised the Committee that work on the second large-diameter valve in Oakbrook Terrace is on schedule for replacement in Spring of 2017.

Chairman Loftus inquired with the Committee if there were any questions regarding the lone action item. Hearing none, <u>Commissioner Scheck moved to recommend approval of R-34-16</u>, item 2 of the <u>Engineering and Construction Committee portion of the Commission Meeting Agenda. Seconded by Commissioner Furstenau.</u>

All voted aye: Motion passed

Under new business, Chairman Loftus inquired if it is feasible for the Commission to partner with Commission Customers to jointly contract for leak detection services. Manager of Water Operations McGhee responded that Staff has previously looked into the possibility and had found that the primary leak detection service providers were disinterested in entering into joint agreements with multiple communities.

Chairman Loftus inquired the Committee if there were any other business or items to be discussed. Hearing none, Commissioner Scheck moved to adjourn the meeting at 6:22 P.M. Motion seconded by Commissioner Saverino.

All voted aye: Motion passed

SP2013/MINUTES/ENGINEERING/2016/ENG161117.doc



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:

December 8, 2016

SUBJECT:

Status of Operations

Operations Overview

The Commission's sales for the month of November were a total of 1.9 billion gallons. This represents an average day demand of 63.2 million gallons per day (MGD), which is lower than the November 2015 average day demand of 63.4 MGD. The maximum day demand was 67.2 MGD recorded on November 20, 2016, which is higher than the November 2015 maximum day demand of 65.8 MGD. The minimum day flow was 57.2 MGD.

The Commission's recorded total precipitation for the month of November was 1.7 inches compared to 4.5 inches for November 2015. The level of Lake Michigan for November 2016 is 579.4 (Feet IGLD 1985) compared to 579.2 (Feet IGLD 1985) for November of 2015

Water Conservation

A tour was held on December 8th for students attending Downers Grove South High School, where students viewed a presentation on the Water Journey from Lake Michigan to residents' taps. They also toured the Pumping Station to get a better understanding how the system works. The attendees also received water conservation educational information and tools to utilize at their homes.

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.

Operations Maintenance

A Request for Proposals has been released advertising for a 3-year Janitorial Service Contract for services at the DuPage Pumping Station. The bid opening is scheduled for 1:00 P.M. on January 4, 2017, with Board approval tentatively scheduled for January 2017 Commission meeting. The current contract expires at the end of February 2017.

Infor EAM

A Request for Board Action appears on the Agenda recommending approval of Purchase Requisition 44031 for Infor software maintenance. The software maintenance fee is due annually and provides the Commission with telephone and online product support, patches, revision changes, and program updates.

Facilities Construction Overview

Storage System Improvements

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 complete both standpipes being back in operation. The Final Balancing Change Order is forthcoming in which approval would also grant final acceptance of the work.

DuPage Pumping Station

The Masonry Rehabilitation and Window Replacement Work at the DuPage Pumping Station is ongoing. Mertes Contracting Co. has completed all masonry related work. The window replacement work is underway.

Instrumentation / Remote Facilities Overview

Meter Testing Program

The annual customer meter testing program is ongoing and is approximately 40% complete.

Quick Response Electrical Contract QRE-7/15

Work Order Authorization No. 9 is ongoing. This work order allows for the reinstallation of electrical equipment necessary to operate the valve remotely. The remaining work includes the reinstallation of electrical equipment and the installation of power, control, and SCADA wiring.

Pipeline Maintenance and Construction Overview

Valve replacement work at Butterfield Rd. and Marshall Ave. in the City of Oakbrook Terrace is scheduled to begin in March/April of 2017.

Staff continues work on cathodic protection test station installations along several transmission main routes.

Staff continues collecting cathodic protection test point data.

DECEMBER 2016 COMMISSION AGENDA ITEMS:

RFBA:

To suspend the purchasing procedures of the Commission's By-Laws and authorize the General Manager to approve Requisition No. 44031 (Infor Enterprise Asset Management System Annual Software Maintenance Agreement – \$42,911.01)

Attachments

- 1. DuPage Laboratory Bench Sheets for November, 2016
- 2. Water Sales Analysis 01-November-2009 to 30-November-2016
- 3. DuPage Water Commission Chart Sales vs. Historical Average
- 4. DuPage Water Commission Chart Sales vs. Allocation

http://sp2013/Status%20of%20Operations/2016/161208.docx

DUPAGE WATER COMMISSION LABORATORY BENCH SHEET MONTHLY REPORT FOR NOVEMBER 2016

LEXINGTON SUPPLY

DUPAGE DISCHARGE

DAY	FREE CL ₂	TURBIDITY	PO ₄	FREE CL ₂	TURBIDITY	TEMP	pН	Fluoride	PO ₄	P.A.C.	ANALYST
	mg/l	NTU	mg/l	mg/l	NTU	°F		22.58.78(0.0)	mg/l	LBS/MG	INT
1	0.95	0.09	0.53	0.96	0.07	65	7.4	0.8	0.59	0	RC
2	1.00	0.09	0.54	0.95	0.08	65	7.5	0.8	0.61	0	CT
3	0.97	0.10	0.56	0.94	0.07	63	7.5	0.7	0.57	0	CT
4	0.97	0.07	0.59	0.97	0.09	64	7.6	0.7	0.52	0	CT
5	0.98	0.10	0.56	0.97	0.07	64	7.5	0.8	0.59	0	RC
6	0.94	0.08	0.54	0.95	0.08	65	7.5	0.8	0.59	. 0	RC
7	1.00	0.07	0.54	0.98	0.08	65	7.5	0.8	0.58	0	СТ
8	0.96	0.10	0.55	0.98	0.07	66	7.6	0.7	0.58	0	CT
9	0.92	0.09	0.55	0.94	0.08	65	7.5	0.8	0.59	0	RC
10	0.97	0.10	0.54	0.95	0.07	64	7.5	0.8	0.58	0	RC
11	0.94	0.10	0.55	0.95	0.07	65	7.5	0.8	0.59	0	RC
12	0.97	0.10	0.57	0.96	0.07	66	7.5	0.8	0.60	0	CT
13	0.93	0.10	0.56	0.94	0.07	66	7.6	0.8	0.61	0	CT
14	0.96	0.09	0.53	0.95	0.08	64	7.5	0.8	0.59	0	RC
15	0.96	0.10	0.54	0.95	0.07	63	7.5	0.8	0.59	0	RC
16	0.93	0.10	0.55	0.94	0.07	64	7.5	8.0	0.57	0	СТ
17	0.94	0.08	0.54	0.94	0.07	63	7.5	0.7	0.59	0	CT
18	0.97	0.10	0.54	0.96	0.08	62	7.5	0.7	0.59	0	CT
19	0.97	0.10	0.56	0.96	0.07	62	7.5	0.8	0.58	0	RC
20	0.98	0.09	0.59	0.96	0.07	61	7.5	0.8	0.59	0	RC
21	0.97	0.09	0.58	0.95	0.08	62	7.5	0.8	0.59	0	CT
22	0.98	0.08	0.59	0.96	0.08	61	7.6	0.7	0.59	0	CT
23	0.94	0.09	0.56	0.96	0.06	64	7.5	0.7	0.58	0	RC
24	0.96	0.08	0.57	0.96	0.06	61	7.5	0.8	0.56	0	RC
25	0.98	0.08	0.58	0.97	0.07	61	7.5	0.8	0.60	0	AM
26	0.96	0.09	0.53	0.97	0.08	61	7.5	0.8	0.58	0	AM
27	0.94	0.07	0.58	0.96	0.09	61	7.5	0.8	0.58	0	AM
28	0.96	0.09	0.53	0.95	0.09	59	7.5	0.8	0.54	0	
29	0.97	0.08	0.55	0.95	0.06	61	7.5	0.8	0.53	0	
30	0.97	0.08	0.58	0.96	0.09	60	7.5	0.9	0.57	0	
31										0	
AVG	0.96	0.09	0.56	0.96	0.07	63	7.5	8.0	0.58	0	
MAX	1.00	0.10	0.59	0.98	0.09	66	7.6	0.9	0.61	0	
MIN	0.92	0.07	0.53	0.94	0.06	59	7.4	0.7	0.52	0	

Scotley Missen
Terrance McGhee

Manager of Water Operations

01-May-92 TO 30-Nov-16

79,750,831

PER DAY AVERAGE

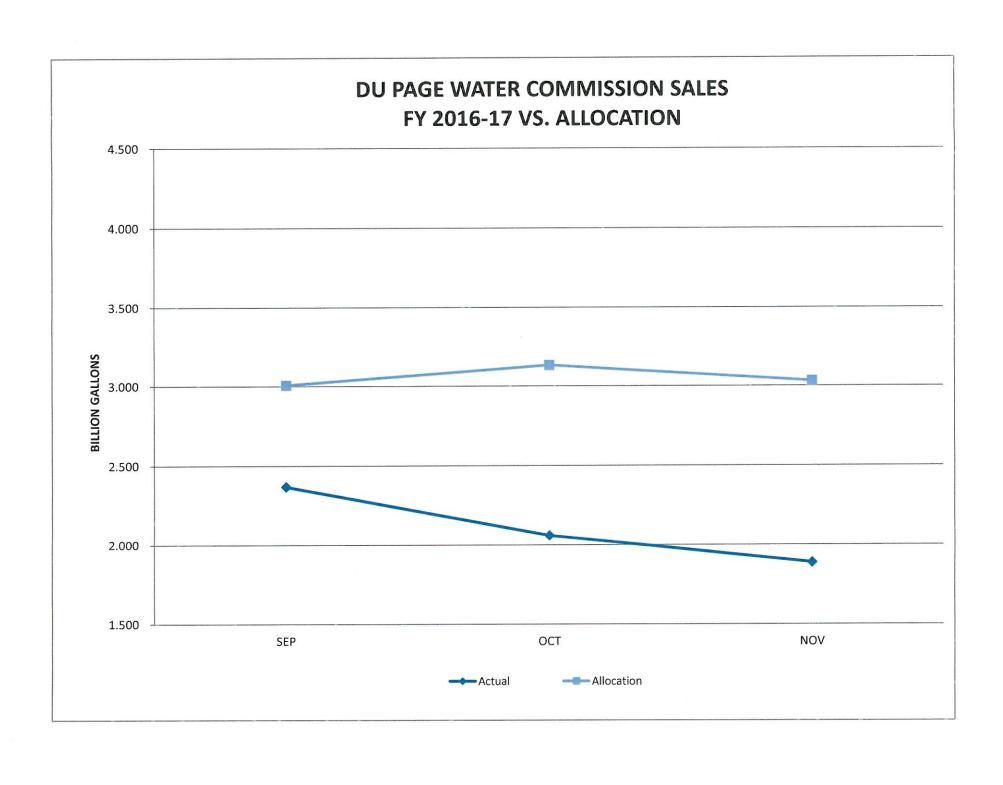
MONTH	SALES TO CUSTOMERS (GALLONS)	PURCHASES FROM CHICAGO (GALLONS)	GALLONS BILLED %	BILLINGS TO CUSTOMERS	BILLINGS FROM CHICAGO	DOCUMENTED COMMISSION WATER USE (2)	DOCUMENTED COMMISSION WATER USE %	TOTAL ACCOUNTED FOR %	DWC OPER. & MAINT. RATE (3)	CHGO RATE
May-13	2,347,910,000	2,413,837,252	97.27%	\$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
Api-14	2,024,439,000	2,000,340,013	91.0370	\$6,037,102.23	\$0,910,332.00	0,200,099	0.2570	31.2070	φ3.91	φ5.510
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
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
Mar-16	1,944,058,000	1,996,231,707	97.39%	\$9,428,681.30	\$7,611,617.24	6,400,732	0.32%	97.71%	\$4.85	\$3.813
Apr-16	1,984,449,000	2,039,789,593	97.29%	\$9,624,577.65	\$7,777,717.72	9,448,858	0.46%	97.75%	\$4.85	\$3.813
May-16	2.268,225,000	2,338,752,195	96.98%	\$10,887,480.00	\$8,917,662.12	274,300	0.01%	97.00%	\$4.80	\$3.813
Jun-16	2,454,342,000	2,529,910,244	97.01%	\$11,780,841.60	\$9,646,547.76	5,182,282	0.20%		\$4.80	\$3.813
Jul-16	2,641,551,000	2,744,681,626	96.24%	\$12,679,444.80	\$10,465,471.04	585,600	0.02%		\$4.80	\$3.813
Aug-16	2,533,936,000	2,608,237,398	97.15%	\$12,162,892.80	\$9,945,209.20	701,544	0.03%		\$4.80	\$3.813
Sep-16	2,369,372,000		96.70%	\$11,372,985.60	\$9,342,809.76	6,309,731	0.26%		\$4.80	\$3.813
Oct-16	2,060,379,000		96.70%	\$9,889,819.20	\$8,124,264.24	3,337,311	0.16%		\$4.80	\$3.813
Nov-16	1,889,508,000		96.48%	\$9,069,638.40	\$7,467,391.60	9,473,395	0.48%		\$4.80	\$3.813
TOTALS (1)		736,409,214,504		\$1,309,249,654.73			0.10%		\$1.83	\$1.628 ======

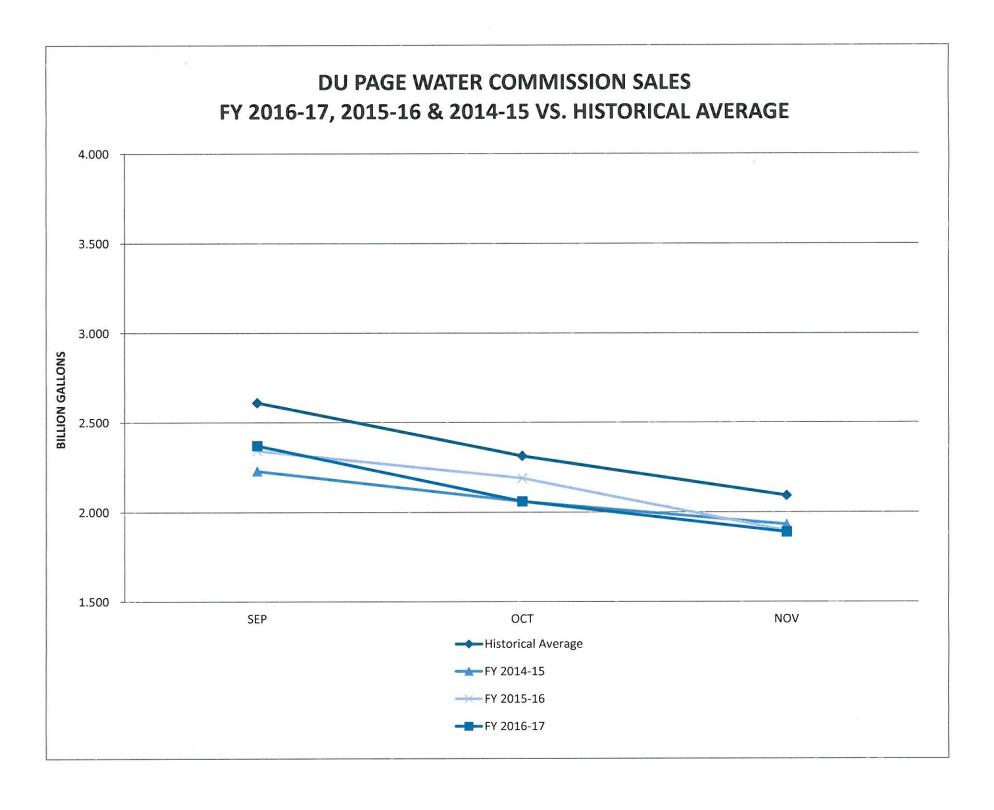
^{(1) -} SINCE MAY 1, 1992

^{(3) -} DOES NOT INCLUDE FIXED COST PAYMENTS

YTD							
Nov-15	16,007,739,000	16,499,900,814	97.02%	77,637,534	62,914,122	\$4.85	\$3
Nov-16	16,217,313,000	16,760,911,544	96.76%	77,843,102	63,909,356	\$4.80	\$3
	209,574,000	261,010,730		\$205,568	\$995,234		
	1.3%	1.6%		0.3%	1.6%		
Month							
Nov-15	1,894,247,000	1,942,187,317	97.53%	9,187,098	7,405,560	\$4.85	\$3
Nov-16	1,889,508,000	1,958,403,252	96.48%	9,069,638	7,467,392	\$4.80	\$3
	(4,739,000)	16,215,935	\$	(117,460)	\$ 61,831		
	-0.3%	0.8%		-1.3%	. 0.8%		
Nov>Oct	(170,871,000)	(172,271,870)		(820,181)	(656,873)		
	-8.3%						

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





DATE: November 28, 2016

REQUEST FOR BOARD ACTION

AGENDA SECTION	Engineering & Construction Committee	ORIGINATING GIS DEPARTMENT
ITEM	Requisition No. 44031	APPROVAL 98

Account Number: 01-60-659000

Staff is requesting authorization to pay Infor Global Solutions Inc. for software maintenance in the amount of \$42,911.01. This expense is for the Infor Enterprise Asset Management (EAM) system, the Commission's maintenance and purchasing management program. The software maintenance fee is due annually and provides the Commission with telephone and online product support, patches, revision changes, and program updates.

This expense was budgeted in the Annual Management Budget, but Board approval is required due to the sole source supply from the manufacturer at a cost in excess of \$20,000.00.

MOTION: To approve Requisition No. 44031 in the amount of \$42,911.01 to Infor Global Solutions Inc.



DuPage Water Commission

600 E. Butterfield Road Elmhurst, IL 60126 Purchase Requisition

Requisition:

44031 [Infor EAM Annual Software Maintenance 2017]

Requisition Date:

11/28/2016

Status: For Store: Originator: ARR [Accounting Review] DPS [DuPage Pumping Station] 106-0009 [FRANK FRELKA]

DuPage Water / Supplier Part No.

Line Task	Due date	Quantity	UOM	Units	Unit Price	Total
1 Account	11/28/16 01-60-65900	1 0 <i>/</i> 2017			\$42,911.01	\$42,911.01 USD

From Supplier:

INFOR [Infor EAM]

Total 42,911.01 USD

Approver:

Date approved:

Requisition Comments:

Line 1 Annual software maintenance fee for

Infor EAM.

Copy of invoice is on the Documents tab.

RFBA paperwork in process.