



DuPage Water Commission

600 E. Butterfield Road, Elmhurst, IL 60126-4642
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AGENDA

ENGINEERING & CONSTRUCTION COMMITTEE
THURSDAY, APRIL 18, 2013
6:30 P.M.

COMMITTEE MEMBERS

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

600 EAST BUTTERFIELD ROAD
ELMHURST, IL 60126

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

RECOMMENDED MOTION: To approve the Minutes of the March 14, 2013 Engineering & Construction Committee Meeting of the DuPage Water Commission.

- III. Report of Status of Construction/Operations
- IV. R-9-13: A Resolution Approving and Ratifying Certain Contract TOB-7/12 Change Orders Resolutions—**John Neri Construction Company, Inc. (Revised Contract Completion Date)**
- V. R-10-13: A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Contract QR-9/11—**Rossi Contractors, Inc. \$26,000.00 (estimated)**
- VI. R-11-13: A Resolution Approving and Ratifying Certain Contract MS-19/12 Change Orders—**Airy's Inc. (Revised Contract Completion Date)**
- VII. Discussion Items
- VIII. Old Business
- IX. Other
- X. 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, MARCH 14, 2013
600 EAST BUTTERFIELD ROAD
ELMHURST, ILLINOIS**

The meeting was called to order at 6:38 P.M.

Committee members in attendance: R. Furstenau, M. Scheck and J. Zay

Committee members absent: D. Loftus and F. Saverino

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

Commissioner Scheck moved to approve the Minutes of the February 21, 2013 Engineering & Construction Committee Meeting of the DuPage Water Commission. Motion seconded by Commissioner Furstenau and passed as follows:

Ayes: R. Furstenau, M. Scheck and J. Zay

Nays: None

Facilities Construction Supervisor Bostick provided an oral report highlighting the Status of Operations report;

Facilities Construction Supervisor Bostick advised that the contractor (Airy's Inc.) appears to be nearing completion of all work under Contract for DuPage County Steeple Run Service Area, Contract MS-19/12. If all work is accepted in time, then Staff may be submitting a recommendation for a time extension at the April Commission meeting.

Regarding the York Township Water Facility, Facilities Construction Supervisor Bostick advised the committee that a side letter to the agreement (O-11-12) continues under review by Oak Brook's and the Commission's legal counsel. Facilities Construction Supervisor Bostick indicated that DuPage County continues supplying water to their retail customers under the good graces of both the Village of Oak Brook and the DuPage Water Commission. DWC Staff and Legal Counsel are ramping up pressure with the Village and County to finalize the agreement.

Facilities Construction Supervisor Bostick informed the commissioners that Tank Industry Consultants, Inc. (TIC) has completed the standpipe evaluations and has submitted their report. Staff continues to work with TIC to develop the scope of work for Rider No. 2 to the engineering agreement which would authorize development of bid specifications for standpipe rehabilitation and coating work to be undertaken in FY2013/14. This Rider will be brought to the Board in either April or May.

Regarding the Customer meter calibration program, Facilities Construction Supervisor Bostick informed the commissioners that the program is ongoing and is approximately 65% complete.

Regarding the SCADA radio replacement project, Facilities Construction Supervisor Bostick informed the Commissioners that all equipment has been received and is being installed and Instrumentation/Remote Facility Supervisor Schori anticipates the installation of radios to be completed and in service by the 1st week of April.

Regarding the IT Infrastructure Upgrade Project, Facilities Construction Supervisor Bostick advised that the hardware and software is on order and installation and configuration will be performed by Sikich and DWC Staff upon receipt.

Regarding Contract VSR-1/11, Facilities Construction Supervisor Bostick advised the Committee the valve stem replacement project was approximately 88% complete and was on track to finish by May 1st.

Regarding Contract TS-8/12 for corrosion mitigation on the South Transmission Mains, Facilities Construction Supervisor Bostick advised the committee that work by John Neri Construction is in the commissioning phase and completion is expected by the end of the month.

Regarding Contract TOB-7/12, Facilities Construction Supervisor Bostick informed the committee that the Contractor, John Neri Construction had to delay the start of the project due to the recent winter storm events; however work did commence as of earlier today. Facilities Construction Supervisor Bostick reminded the Committee that a Change Order to revise the Contract Completion Date will be brought forth due to Commission delaying the award of the Contract. General Manager Spatz informed the Committee that the Contractor did experience some difficulties in receiving a permit from the City of Wheaton.

Pipeline Supervisor Kazmierczak advised the Committee that Rossi Contractors, under Contract QR-8, is excavating on 75th Street, east of IL Rte 53 in Woodridge to locate a leak on the Commission's 36" diameter transmission main. Pipeline Supervisor Kazmierczak stated that although the exact nature of the leak is unknown at this time, it is suspected that a pipe joint leak is the source and it has been leaking for quite some time. General Manager Spatz advised the Committee that the Work Authorization Order will be brought to the Board for approval at the April meeting.

General Manager Spatz informed the Committee that discussions are ongoing with the Village of Downers Grove regarding the reimbursement for repairing a damaged electrical service at Meter Station 8E. The damage was caused by a firm under contract with Downers Grove.

Commissioner Furstenau inquired with the Committee if any other business or items are to be discussed. Hearing none, Commissioner Scheck moved to adjourn the meeting at 6:50 P.M. Motion seconded by Commissioner Furstenau and passed unanimously as follows:

Ayes: R. Furstenau, M. Scheck and J. Zay

Nays: None



DuPage Water Commission

MEMORANDUM

TO: John Spatz
General Manager

FROM: Terry McGhee *TM*
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: April 11, 2013

SUBJECT: Status of Operations

Operations Overview

The Commission's sales for the month of March were a total of 2.054 billion gallons. This represents an average day demand of 66.3 million gallons per day (MGD), which is higher than the March 2012 average day demand of 65.1 MGD. The maximum day demand was 70.6 MGD on March 5, 2013, which is higher than the March 2012 maximum day demand of 68.4 MGD. The minimum day flow was 63.2 MGD.

The Commission's recorded total precipitation for the month of March was 2.00 inches compared to 2.68 inches for March 2012. The level of Lake Michigan for March 2013 is 576.23 (Feet IGLD 1985) compared to 577.42 (Feet IGLD 1985) for March of 2012.

Annual testing of the fire alarm and suppression systems at the DuPage Pumping Station is complete.

Water Conservation

The Commission's water conservation related project was selected by Chicago Metropolitan Agency for Planning (CMAP) Local Technical Assistance (LTA) Program. The program includes a customer survey, development of a training manual to summarize workshops and list regional resources for our Customer's conservation coordinators to utilize and outreach materials for elected officials. The survey was sent to the Commission's customers on March 28, 2013 with a follow-up conference call scheduled for April 17, 2013.

The Water Conservation and Protection Program will be attending the following conservation events in April:

Argonne Earth Day for employees on April 23, 2013

GreenTown Conference on April 25, 2013

Cosley Zoo's Party for the Planet on April 27, 2013

Document Management

No Change: Staff is reviewing SharePoint 2013 to compare features, functionality and overall costs with the Commission's current Document Management Software, Interwoven, and the Commission's current workflow software, DocMinder.

Facilities Construction Overview

DuPage County Service Areas

Steeple Run: Change Order No. 3 appears on the agenda as R-11-13 which recommends final acceptance and the release of all monies held in retainage. Final payment is also on the accounts payable listing however disbursement will be tendered upon receipt of all contractually required documentation.

Approximate Project Expenditures Remaining as of 01/23/13: \$45,160.00

Approximate DuPage County Funding Deposit Balance as of 01/23/13: \$179,107.00

York Township: No Change: O-11-12 was approved in October to retroactively authorize the construction and operation of an interconnection between the Village of Oak Brook and the County of DuPage for interim and emergency water supply from the Village to the County's York Township Service Area. A side letter to the agreement is being reviewed by Oak Brook's and the Commission's legal counsel. The Joint Facility Agreement for permanent connection facilities was executed by both Chairmen of the DWC and County Boards. We continue working with the County on the agreement for required easements.

Standpipe Evaluations

No Change: In May, Staff will most likely bring forth for consideration Rider No. 2 of the engineering agreement which would authorize the next phase of the work which is development of bid specifications for standpipe rehabilitation and coating work at standpipes 4E and 4W to be undertaken in FY2013/14.

Staff has met with the Lisle-Woodridge Fire District to discuss rescue service needs for these standpipes. Additional discussions with the Engineer (TIC) regarding the inclusion of anchorage points for rescue services and fall prevention systems will be held in the coming month.

Instrumentation / Remote Facilities Overview

The customer meter calibration program continues and is approximately 95% complete. Program completion is expected before the end of April.

SCADA Radio Replacement Project

This project is complete; all radios have been installed, tested, and are operational.

GIS

Information Technology Infrastructure Upgrade Project

Most of the hardware ordered last month has been delivered to Sikich and the remaining items will arrive soon. Once all equipment arrives and is checked out, we will schedule installation and configuration. It's estimated this will be in mid-April and should take about a week.

All the software for the SAN project and upgrades has been purchased. This includes Microsoft Exchange 2013, Windows Server 2012, SharePoint 2013, SQL Server 2012 and Windows Terminal Services. This is in addition to Office 2013 for twelve new workstations.

After the SAN is operational, the various software upgrades will occur. We will also start automated cloud data backups of all our data thereby eliminating once and for all tape backups. Eleven backup and restore vendors were evaluated and a decision is expected soon as to which service to sign up for.

Infor EAM (Enterprise Asset Management)

Staff recently implemented daily work order scheduling for Operations Department work orders. This is a built in function in Infor that allows for more precise scheduling and work order accounting.

Pipeline Construction Overview

Contract QR-9/11

Work Authorization Order #6 precipitated repairs to a 36" steel water main located on 75th Street approximately 300 feet east of IL53 in Woodridge. A resolution requesting ratification of this work authorization appears on the agenda as R-10-13.

Contract VSR-1/11

Installations are 92% complete and we expect to complete work at all 230 locations by May 1, 2013.

Contract TS-8/12 (Corrosion Protection and Control for the South Transmission Main)

Final testing and commissioning of the system was completed on April 3rd. Once test reports are received and indicate satisfactory results, the contract will be closed out upon final acceptance by the County of DuPage and the Illinois Department of Transportation.

Contract TOB-7/12 Corrosion Protection and Control for the Outer Belt Transmission Mains). Work began on March 14th. The current Contract Completion Date is April 30, 2013. Change Order No. 1, recommending a revised Contract Completion Date, appears on the agenda as Resolution R-9-13. This Change Order revises the Contract Completion Date to September 3, 2013 due to the Board's decision to delay the award of the contract by four months.

APRIL 2013 COMMISSION AGENDA ITEMS:

R-9-13 A Resolution Approving and Ratifying Certain Contract TOB-7/12 Change Orders at the April 18, 2013, DuPage Water Commission Meeting

R-10-13 A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Contract QR-9/11 at the April 18, 2013, DuPage Water Commission Meeting

R-11-13 A Resolution Approving and Ratifying Certain Contract MS-19/12 Change Orders at the April 18, 2013 DuPage Water Commission Meeting

Attachments:

1. DuPage Laboratory Bench Sheets for March, 2013
2. Water Sales Analysis 01-March-09 to 31-March-2013
3. Chart showing Commission sales versus allocations
4. Chart showing Commission sales versus historical averages

DUPAGE WATER COMMISSION LABORATORY BENCH SHEET
MONTHLY REPORT FOR MARCH 2013

LEXINGTON SUPPLY

DUPAGE DISCHARGE

DAY	FREE CL ₂ mg/l	TURBIDITY NTU	PO ₄ mg/l	FREE CL ₂ mg/l	TURBIDITY NTU	TEMP °F	pH	Fluoride mg/l	PO ₄ mg/l	P.A.C. LBS/MG	ANALYST INT
1	0.92	0.09	0.54	0.95	0.11	36	7.5	1.0	0.54	0	FG
2	0.93	0.10	0.56	0.92	0.09	36	7.5	1.0	0.56	0	FG
3	0.96	0.10	0.54	0.92	0.10	36	7.5	1.1	0.54	0	CT
4	0.94	0.10	0.55	0.93	0.10	37	7.6	1.0	0.55	0	CT
5	0.96	0.09	0.54	0.94	0.11	37	7.6	1.0	0.55	0	FG
6	0.95	0.10	0.55	0.92	0.09	37	7.5	1.1	0.56	0	FG
7	0.99	0.11	0.56	0.93	0.10	37	7.6	1.0	0.54	0	FG
8	0.96	0.11	0.55	0.91	0.09	37	7.6	1.1	0.51	0	CT
9	0.96	0.10	0.52	0.93	0.09	37	7.6	1.1	0.53	0	CT
10	0.98	0.09	0.55	0.92	0.10	37	7.6	1.0	0.54	0	FG
11	0.96	0.10	0.53	0.92	0.11	37	7.5	1.1	0.53	0	FG
12	0.97	0.10	0.53	0.91	0.10	37	7.6	1.1	0.56	0	CT
13	0.95	0.10	0.51	0.92	0.10	37	7.6	1.1	0.52	0	CT
14	0.97	0.09	0.53	0.93	0.11	37	7.6	1.1	0.55	0	CT
15	0.98	0.09	0.54	0.92	0.09	37	7.4	1.0	0.54	0	FG
16	0.92	0.10	0.53	0.91	0.09	37	7.6	1.1	0.54	0	FG
17	0.95	0.09	0.53	0.91	0.10	37	7.5	1.0	0.52	0	FG
18	0.95	0.09	0.54	0.90	0.10	37	7.6	1.0	0.53	0	KD
19	0.98	0.10	0.55	0.90	0.11	37	7.5	1.1	0.54	0	FG
20	0.93	0.10	0.53	0.92	0.09	38	7.4	1.0	0.53	0	FG
21	0.94	0.11	0.55	0.90	0.10	36	7.4	1.1	0.54	0	FG
22	0.96	0.11	0.55	0.91	0.11	37	7.6	1.2	0.55	0	AM
23	0.94	0.10	0.53	0.91	0.11	37	7.6	1.2	0.55	0	AM
24	0.96	0.10	0.54	0.91	0.09	38	7.6	1.1	0.54	0	KD
25	0.93	0.11	0.56	0.90	0.09	38	7.6	1.2	0.55	0	KD
26	0.94	0.09	0.54	0.90	0.10	38	7.6	1.2	0.55	0	AM
27	0.97	0.10	0.54	0.93	0.10	38	7.6	1.2	0.56	0	AM
28	0.92	0.10	0.55	0.91	0.10	38	7.6	1.2	0.54	0	AM
29	0.98	0.10	0.54	0.93	0.11	38	7.6	1.2	0.56	0	KD
30	0.99	0.09	0.52	0.94	0.10	38	7.6	1.2	0.55	0	KD
31	0.97	0.11	0.54	0.92	0.10	38	7.5	1.0	0.54	0	AM
AVG	0.96	0.10	0.54	0.92	0.10	37	7.6	1.1	0.54	0	
MAX	0.99	0.11	0.56	0.95	0.11	38	7.6	1.2	0.56	0	
MIN	0.92	0.09	0.51	0.90	0.09	36	7.4	1.0	0.51	0	



Terrance McGhee
Manager of Water Operations

DU PAGE WATER COMMISSION
WATER SALES ANALYSIS

01-May-92 TO 31-Mar-13

PER DAY AVERAGE 80,935,292

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-10	2,493,442,000	2,546,177,057	97.93%	\$4,587,933.28	\$5,105,085.00	1,951,633	0.08%	98.01%	\$1.84	\$2.005
Jun-10	2,379,251,000	2,435,768,080	97.68%	\$4,377,821.84	\$4,883,715.00	1,052,920	0.04%	97.72%	\$1.84	\$2.005
Jul-10	2,977,683,000	3,048,231,920	97.69%	\$5,478,936.72	\$6,111,705.00	1,342,710	0.04%	97.73%	\$1.84	\$2.005
Aug-10	2,867,253,000	2,924,004,988	98.06%	\$5,275,745.52	\$5,862,630.00	930,281	0.03%	98.09%	\$1.84	\$2.005
Sep-10	2,525,751,000	2,588,259,352	97.58%	\$4,647,381.84	\$5,189,460.00	1,085,300	0.00%	97.58%	\$1.84	\$2.005
Oct-10	2,394,743,000	2,449,952,618	97.75%	\$4,406,327.12	\$4,912,155.00	1,143,788	0.05%	97.79%	\$1.84	\$2.005
Nov-10	2,044,476,000	2,079,920,200	98.30%	\$3,761,835.84	\$4,170,240.00	955,414	0.05%	98.34%	\$1.84	\$2.005
Dec-10	2,173,930,000	2,196,014,963	98.99%	\$4,000,031.20	\$4,403,010.00	943,234	0.04%	99.04%	\$1.84	\$2.005
Jan-11	2,176,905,000	2,203,802,993	98.78%	\$4,005,505.20	\$4,418,625.00	6,094,505	0.28%	99.06%	\$1.84	\$2.005
Feb-11	1,960,872,000	1,992,314,214	98.42%	\$3,608,004.48	\$3,994,590.00	3,351,469	0.17%	98.59%	\$1.84	\$2.005
Mar-11	2,084,629,000	2,119,930,175	98.33%	\$3,835,717.36	\$4,250,460.00	875,189	0.00%	98.33%	\$1.84	\$2.005
Apr-11	2,032,022,000	2,050,900,249	99.08%	\$3,738,920.48	\$4,112,055.00	674,574	0.03%	99.11%	\$1.84	\$2.005
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	\$4,960,356.25	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%	\$6,018,683.58	\$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
TOTALS (1)	618,345,631,798	635,672,988,281	97.27%	\$892,919,803.92	\$848,580,137.08	609,161,008	0.10%	97.37%	\$1.44	\$1.335

(1) - SINCE MAY 1, 1992

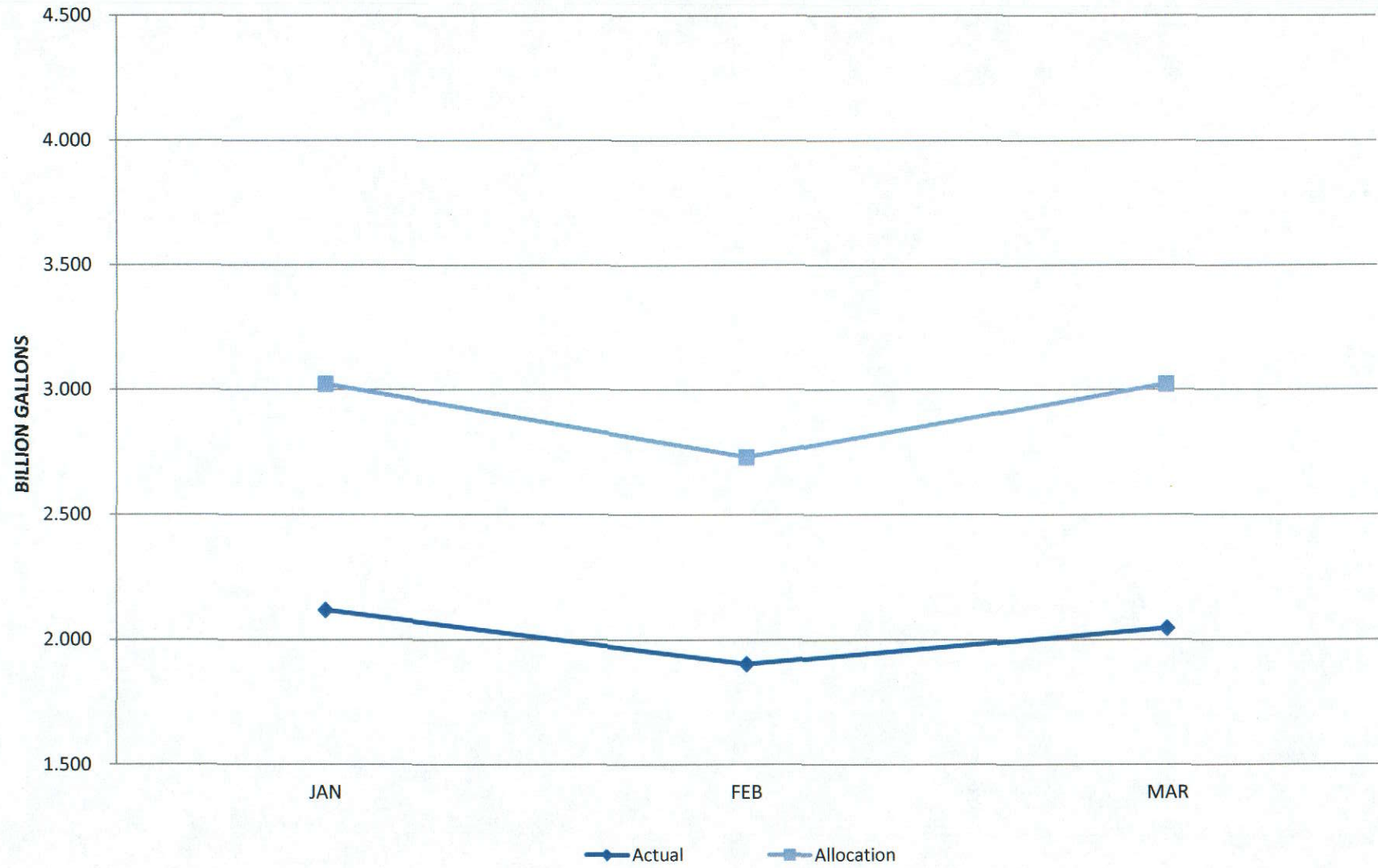
(2) - REPRESENTS DU PAGE PUMP STATION, METER TESTING AND CONSTRUCTION PROJECT USAGE

(3) - DOES NOT INCLUDE FIXED COST PAYMENTS

YTD

Mar-12	25,487,991,398	25,968,715,601	98.15%	\$ 56,139,801	\$ 55,146,394				\$2.20	\$2.124
Mar-13	27,241,137,000	27,858,698,210	97.78%	\$ 77,948,193	\$ 72,165,086				\$2.86	\$2.590
	1,753,145,602	1,889,982,609		\$21,808,391	\$17,018,692					
	6.88%	7.3%		38.8%	30.9%					
Month										
Mar-12	2,006,949,000	2,047,616,673	98.01%	5,478,971	5,133,375				\$2.73	\$2.507
Mar-13	2,046,176,000	2,085,514,809	98.11%	6,793,304	6,010,454				\$3.32	\$2.882
	39,227,000	37,898,136		\$ 1,314,334	\$ 877,079					
	2.0%	1.9%		25.6%	16.0%					
Mar>Feb	143,142,000	134,903,359		\$ 475,231	\$ 388,791					

DU PAGE WATER COMMISSION SALES FY 2012-13 VS. ALLOCATION



DU PAGE WATER COMMISSION SALES FY 2012-13, 2011-12 & 2010-11 VS. HISTORICAL AVERAGE

