



DuPage Water Commission

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

AGENDA

ENGINEERING & CONSTRUCTION COMMITTEE
THURSDAY, DECEMBER 20, 2012
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 November 15, 2012 Engineering & Construction Committee Meeting of the DuPage Water Commission.

- III. Report of Status of Construction/Operations
- IV. R-44-12: A Resolution Awarding a Contract for the Construction of Corrosion Protection and Control for the Outer Belt Transmission Main (Contract TOB-7/12) – **John Neri Construction Company, Inc. (\$963,250.00)**
- V. R-45-12: A Resolution Approving and Ratifying Certain Contract MS-19/12 Change Orders at the December 20, 2012, DuPage Water Commission Meeting - **\$4,080.60 (Net Increase in Contract Price) Airy's Inc.**
- VI. Discussion Items
- VII. Old Business
- VIII. Other
- IX. Adjournment

Board\Agendas\Engineering\2012\Eng1212.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.

**MINUTES OF A MEETING OF THE
ENGINEERING & CONSTRUCTION COMMITTEE
OF THE DUPAGE WATER COMMISSION
HELD ON THURSDAY, NOVEMBER 15, 2012
600 EAST BUTTERFIELD ROAD
ELMHURST, ILLINOIS**

The meeting was called to order at 6:32 P.M.

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

Committee members absent: None.

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

The Committee requested that the October 18, 2012 Engineering and Construction Committee meeting minutes be corrected to show that Commissioner Scheck's absence precluded him from seconding this motion. It was determined that Commissioner Furstenau was the actual second of the motion and the minutes are hereby amended as follows:

Commissioner Saverino moved to adjourn the meeting at 6:55 P.M. Motion seconded by Commissioner ~~Scheck~~ Furstenau and passed as follows:

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

Nays: None

Commissioner Furstenau moved to approve the Minutes of the October 18, 2012 Engineering & Construction Committee Meeting of the DuPage Water Commission as amended. Motion seconded by Commissioner Scheck and passed as follows:

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

Nays: None

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

Facilities Construction Supervisor Bostick reported that during the month of October the system operated normally. It was also noted that the October 2012 pumpage almost mirrors that of October 2011.

Facilities Construction Supervisor Bostick informed the committee that the various Operations projects were progressing and on schedule.

Facilities Construction Supervisor Bostick informed the committee that on October 24, 2012 the Commission hosted the College of DuPage Environmental Science class.

Regarding PSD-7, DPPS Electrical Generation Facilities, Facilities Construction Supervisor Bostick informed the committee that all of the corrective work by the Engineer (CDM Smith) has been completed, but staff was still evaluating the effectiveness of the modifications. Facilities Construction Supervisor Bostick reported that Change Order No. 16 appears on the agenda as R-43-12 which recommends granting final acceptance of the work performed by the Contractor, Williams Brothers Construction, Inc. This change order also extends the contract completion date and also increases the contract price by \$13,031.30 for assisting Commission staff in testing and troubleshooting various complex control systems in which Commission staff has yet to gain sufficient working experience and/or technical expertise to perform on its own.

Regarding the DuPage County Steeple Run Service Area, Facilities Construction Supervisor Bostick advised that the contractor (Airy's Inc.) has completed all work with the exception of the radio telemetry changes requested by DuPage County and the installation of the metering station's motorized valve. The metering station valve manufacturer has experienced some supply chain issues which will delay delivery until late December. The Contract Completion date is November 27, 2012, however Staff will be bringing forth a time extension request as part of a change order which also includes the radio telemetry changes.

Facilities Construction Supervisor Bostick informed the committee that since approval of the Intergovernmental Agreement between the DuPage Water Commission, the County of DuPage, and the Village of Oak Brook concerning the construction and operation of a connection facility for interim and emergency water deliveries for York Township (O-11-12), various points of issue had been brought up by the Village of Oak Brook. General Manager Spatz reported that the entities involved are working towards a side letter agreement of interpretation regarding the agreement in order to move forward with document execution.

Facilities Construction Supervisor Bostick stated services to perform coating and structural evaluations of the five (5) Commission steel water storage standpipes will be undertaken in January 2013.

Facilities Construction Supervisor Bostick stated that resolution R-40-12 recommends award of Contract QR-6/12 to Divane Bros. Electric Company and McWilliams Electric Company, Inc. These contracts will allow Commission staff to hire the contractors to perform electrical work in which Staff does not have the capabilities to perform. General Manager Spatz stated that although the main intent of the contracts is to perform emergency work, Staff will solicit quotes from both Contractors in order to receive the best pricing for all necessary work.

Facilities Construction Supervisor Bostick advised the committee that the valve stem replacement project was approximately 53% complete and was on track to finish by the original completion date.

Regarding Contract TS-8/12 for corrosion mitigation on the South Transmission Mains,

Engineering Committee Minutes 11/15/2012

Facilities Construction Supervisor Bostick advised the committee that work by John Neri Construction is progressing satisfactorily on this project and Staff will be bringing forth a recommendation to award the TOB-7/12 contract to John Neri at the December 2012 Commission meeting.

Facilities Construction Supervisor Bostick informed the committee that staff has been investigating different options in regards to the data back-up and disaster recovery project detailed in this year's Capital Improvement Program. General Manager Spatz stated that Staff is investigating the means to purchase various hardware components and services to implement the improvements.

Operations Supervisor Weed informed the committee that Purchase Order 14663 was necessary to purchase seal rebuild kits for the 30 MGD high lift pump seals where the Commission already has the kits for the 15 MGD high lift pumps on hand. Since these seal kits are sole sourced and over \$20,000.00, Commission pre-purchase approval is required.

It was the consensus of the Committee to advance all items requiring Board action onto the full Commission agenda.

Commissioner Furstenau moved to adjourn the meeting at 7:00 P.M. Motion seconded by Commissioner Saverino and passed unanimously as follows:

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

Nays: None



DuPage Water Commission

MEMORANDUM

TO: John Spatz
General Manager

FROM: Terry McGhee
Manager of Water Operations

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

DATE: December 15, 2012

SUBJECT: Status of Operations

Operations Overview

The Commission's sales for the month of November were a total of 2.001 billion gallons. This represents an average day demand of 66.7 million gallons per day (MGD), which is higher than the November 2011 average day demand of 66.4 MGD. The maximum day demand was 71.6 MGD on November 7, 2012, which is higher than the November 2011 maximum day demand of 70.3 MGD. The minimum day flow was 63.0 MGD.

The Commission's recorded total precipitation for the month of November was 0.95 inches compared to 3.44 inches for November 2011. The level of Lake Michigan for November 2012 is 576.36 (Feet IGLD 1985) compared to 577.65 (Feet IGLD 1985) for November of 2011.

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 will have a customer survey, which will then be used to create training workshops for our customers' water conservation coordinators. A training manual will be produced to summarize workshops and to list regional resources for conservation coordinators to continue activities after program completion. Outreach materials will also be developed geared toward elected officials about water conservation. One customer will receive 40-60 hours of CMAP staff time to assist with implementation of an activity highlighted during the training, water conservation training for their staff or some activity in their community. These materials and workshops will focus on our Mid-West region and other counties will be invited to participate.

Staff will work with CMAP as well as the Commission's water conservation consultant, MWH. The survey is scheduled to start in January.

Document Management

Staff is reviewing SharePoint Server 2010 to compare features, functionality and overall costs with the Commission's current Document Management Software, Interwoven.

Commissioner iPads were handed out last month. As a result, the number of paper board packets has been significantly reduced.

Facilities Construction Overview

Contract PSD-7 DPPS Electrical Generation

The office building HVAC modification work is under evaluation to assure it meets design requirements and also to review if the HVAC remediation project final outcome is acceptable.

DuPage County Service Areas

Steeple Run: Airy's Inc., the Contractor, has completed all the work with the exception of the metering station motorized valve and the antenna monopole modifications requested by DuPage County. Service to the residence commenced on November 27th. For now, the Contract Completion Date remains November 27, 2012 however Staff will be submitting a recommendation for a time extension at the December or January Commission meeting.

Change Order #2 appears on the agenda as R-45-12. This is a net addition for radio system enhancements and fence work deletions requested by DuPage County. Also, the Contractor has requested a reduction in retainage of monies earned from 10% to 5%. Staff is recommended that the Contractor's request be granted.

Approximate Project Expenditures Remaining as of 11/30/12: \$100,630.00

Approximate DuPage County Funding Deposit Balance as of 11/30/12: \$304,873.00

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. The Village of Oak Brook is requesting modifications to the agreement which are being reviewed by Oak Brook's and the Commission's legal counsel.

No Change: The Joint Facility Agreement was executed by both Chairmen of the DWC and County Boards. This intergovernmental agreement approves the design and construction of the joint facilities by DuPage County upon DuPage County's and the Commission's approval at several different phases or milestones. We are currently reviewing property interest documentation provided by the County in order to reach an agreement on easements.

Standpipe Evaluations

R-36-12 was approved in October which awarded a contract to Tank Industry Consultants to perform the standpipe coating evaluations with future options of providing design, bidding, and construction services. Evaluations are tentatively scheduled for the week of January 7th.

Instrumentation / Remote Facilities Overview

Routine preventative maintenance work is being performed on schedule and maintenance repairs handled accordingly.

The annual remotely operated valve (ROV) entry inspections are complete for the year.

Staff continues upgrading the remote facilities light fixtures from T12 to T8 lamps and ballasts, and is approximately 30% complete.

The customer meter calibration program is underway and is approximately 28% complete.

The modified SCADA backhaul data network is up and communicating via telephone lines. This change was necessary as the Illinois State Toll Highway Authority's fiber optic system became unavailable for our use.

Proposals are being sought for the SCADA radio system replacement. To date five vendors hold bidding documents. Bid opening is scheduled for December 28th, and Staff is anticipating a recommendation will be brought to the Board in January 2013.

Contract QRE-5/10 (Quick Response Electrical Contract)

Work Authorization Order # QRE-5.009, to repair and re-establish a complete electrical ground system at Metering Stations 4B and 23A is complete.

Contract QRE-6/12 (Quick Response Electrical Contract)

Contracts were executed with each McWilliams Electric and Divane Bros. Electric Company each with a two year contract duration beginning January 1, 2013.

GIS

Information Technology Infrastructure Upgrade Project

Staff is moving ahead with this project and developed an outline of all tasks to be accomplished. We have also identified two existing government contracts for Hewlett-Packard hardware equipment which have the potential to expedite the purchasing process. The secondary task will be contracting for the Storage Area Network (SAN) and virtual server installation. Once this is complete all the remaining tasks will be relatively routine replacements and upgrades with details to be resolved soon. Our goal is to complete the project by the end of the fiscal year.

Pipeline Construction Overview**Contract VSR-1/11**

Installations are approximately 63% 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)

John Neri Construction began work on October 18th. Contract Completion is February 28, 2013. Pay Estimate #1 appears on the December 2012 Accounts Payable.

Contract TOB-7/12 Corrosion Protection and Control for the Outer Belt Transmission Mains).

Award of Contract is being recommended by Staff and this appears on the agenda as R-44-12.

Contract QR-9 (Quick Response Contract)

There are no active Work Authorizations at the present time.

DECEMBER 2012 COMMISSION AGENDA ITEMS:

1. R-44-12: A Resolution Awarding a Contract for the Construction of Corrosion Protection and Control for the Outer Belt Transmission Main (Contract TOB-7/12).
2. R-45-12: A Resolution Approving and Ratifying Certain Contract MS-19/12 Change Orders.

Attachments:

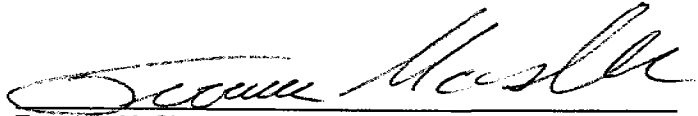
1. DuPage Laboratory Bench Sheets for November, 2012
2. Water Sales Analysis 01-November-09 to 30-November- 2012
3. Chart showing Commission sales versus allocations
4. Chart showing Commission sales versus historical averages

DUPAGE WATER COMMISSION LABORATORY BENCH SHEET
MONTHLY REPORT FOR NOVEMBER 2012

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	PO ₄ mg/l	P.A.C. LBS/MG	ANALYST INT
1	1.03	0.11	0.53	0.99	0.10	53	7.7	1.0	0.55	0	KD
2	0.96	0.10	0.56	0.96	0.11	53	7.7	1.0	0.52	0	CT
3	1.03	0.12	0.54	0.94	0.12	53	7.8	1.0	0.52	0	CT
4	0.90	0.10	0.56	0.98	0.10	52	7.7	1.0	0.53	0	FG
5	0.82	0.09	0.54	0.95	0.09	53	7.7	1.0	0.54	0	FG
6	0.95	0.12	0.52	0.94	0.12	52	7.8	1.1	0.57	0	CT
7	1.00	0.13	0.52	0.93	0.11	53	7.7	1.1	0.55	0	CT
8	0.96	0.11	0.53	0.96	0.09	52	7.7	1.0	0.55	0	CT
9	0.98	0.10	0.54	0.97	0.10	52	7.8	1.0	0.56	0	FG
10	0.96	0.09	0.55	0.99	0.11	51	7.7	1.0	0.57	0	FG
11	0.85	0.12	0.53	0.97	0.11	51	7.7	1.0	0.57	0	CT
12	0.97	0.11	0.54	0.92	0.10	52	7.7	1.0	0.55	0	CT
13	0.99	0.09	0.53	0.94	0.11	52	7.7	1.0	0.54	0	CT
14	0.99	0.10	0.54	0.96	0.10	52	7.7	1.1	0.52	0	CT
15	0.95	0.09	0.56	0.93	0.10	51	7.7	1.1	0.55	0	AM
16	0.83	0.09	0.53	0.95	0.09	50	7.7	1.1	0.57	0	CT
17	1.03	0.10	0.54	0.97	0.10	50	7.7	1.1	0.57	0	CT
18	1.00	0.11	0.53	0.96	0.10	50	7.7	1.1	0.56	0	CT
19	1.00	0.09	0.55	0.95	0.10	48	7.8	1.1	0.53	0	AM
20	0.94	0.12	0.54	0.96	0.11	48	7.8	1.1	0.53	0	CT
21	0.97	0.11	0.55	0.97	0.10	49	7.7	1.1	0.54	0	CT
22	0.96	0.12	0.52	0.98	0.10	47	7.7	1.1	0.53	0	CT
23	0.94	0.11	0.52	0.91	0.09	47	7.7	1.1	0.53	0	CT
24	0.96	0.12	0.52	0.95	0.09	46	7.8	1.1	0.54	0	CT
25	0.93	0.10	0.56	0.92	0.11	45	7.7	1.1	0.54	0	CT
26	0.93	0.09	0.55	0.92	0.11	47	7.7	1.0	0.53	0	CT
27	0.94	0.10	0.56	0.94	0.10	46	7.7	1.1	0.54	0	AM
28	0.92	0.10	0.54	0.93	0.10	45	7.8	1.0	0.55	0	AM
29	0.92	0.10	0.56	0.94	0.10	45	7.8	1.0	0.52	0	CT
30	0.94	0.09	0.55	0.92	0.10	45	7.7	1.1	0.55	0	AM
31										0	
AVG	0.95	0.10	0.54	0.95	0.10	50	7.7	1.1	0.54	0	
MAX	1.03	0.13	0.56	0.99	0.12	53	7.8	1.1	0.57	0	
MIN	0.82	0.09	0.52	0.91	0.09	45	7.7	1.0	0.52	0	



Terrance McGhee
Manager of Water Operations

DU PAGE WATER COMMISSION
WATER SALES ANALYSIS

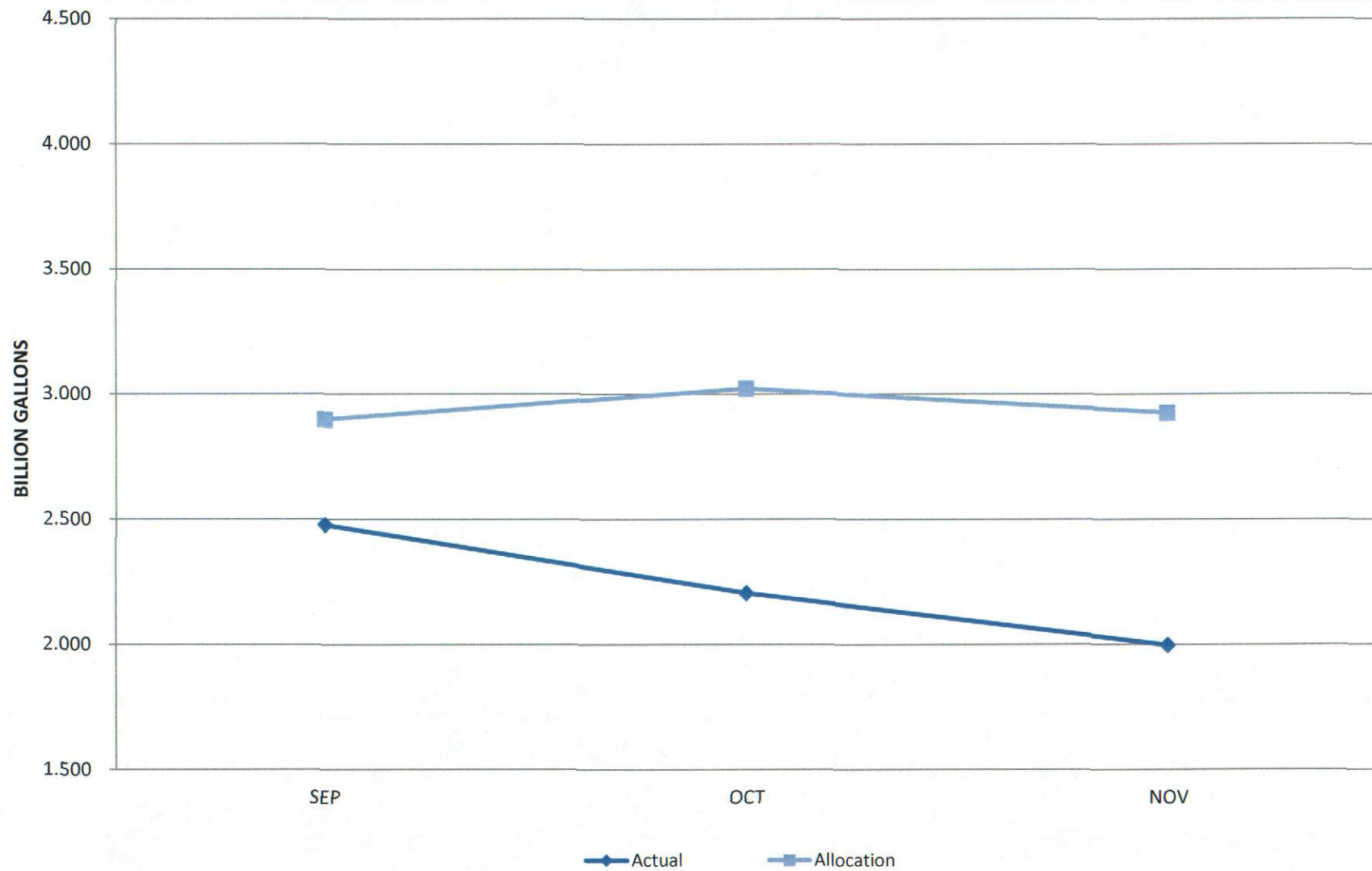
01-May-92 TO 30-Nov-12
PER DAY AVERAGE 81,157,939

MONTH	SALES TO CUSTOMERS (GALLONS)	PURCHASES FROM CHICAGO (GALLONS)	GALLONS BILLED %	BILLINGS TO CUSTOMERS	BILLINGS FROM CHICAGO	DOCUMENTED 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	2,060,900,249	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	\$4,950,356.25	923,283	0.05%	97.59%	\$2.73	\$2.507
Mar-12	2,006,949,000	2,047,616,673	98.01%	\$5,478,970.77	\$5,133,375.00	1,394,581	0.07%	98.08%	\$2.73	\$2.507
Apr-12	2,020,132,000	2,067,114,579	97.73%	\$5,514,960.36	\$5,182,256.00	1,425,448	0.07%	97.80%	\$2.73	\$2.507
May-12	2,571,924,000	2,631,095,433	97.75%	\$7,021,352.52	\$6,596,156.25	845,168	0.03%	97.78%	\$2.73	\$2.507
Jun-12	3,400,363,000	3,498,823,295	97.19%	\$9,282,990.99	\$8,771,550.00	1,375,200	0.04%	97.23%	\$2.73	\$2.507
Jul-12	3,529,438,000	3,609,199,242	97.79%	\$9,635,365.74	\$9,048,262.50	1,048,718	0.03%	97.82%	\$2.73	\$2.507
Aug-12	2,941,022,000	3,012,931,292	97.61%	\$8,028,990.06	\$7,553,418.75	986,869	0.03%	97.65%	\$2.73	\$2.507
Sep-12	2,477,340,000	2,530,704,029	97.89%	\$6,763,138.20	\$6,344,475.00	1,328,048	0.05%	97.94%	\$2.73	\$2.507
Oct-12	2,204,646,000	2,250,972,278	97.94%	\$6,018,683.58	\$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
TOTALS (1)	610,226,542,798	627,386,133,909	97.26%	\$867,174,802.23	\$825,481,663.78	605,206,878	0.10%	97.36%	\$1.42	\$1.316

- (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										
Nov-11	17,434,696,398	17,762,596,011	98.15%	\$ 35,566,535	\$ 35,614,005				\$2.04	\$2.005
Nov-12	19,122,048,000	19,571,843,838	97.70%	\$ 52,203,191	\$ 49,066,613				\$2.73	\$2.507
	1,687,351,602	1,809,247,827		\$16,636,656	\$13,452,608					
	9.68%	10.2%		46.8%	37.8%					
Month										
Nov-11	1,986,038,000	2,012,618,454	98.68%	4,051,518	4,035,300				\$2.04	\$2.005
Nov-12	1,997,315,000	2,038,118,269	98.00%	5,452,670	5,109,563				\$2.73	\$2.507
	11,277,000	25,499,815		\$ 1,401,152	\$ 1,074,263					
	0.6%	1.3%		34.7%	26.5%					
Nov>Oct	(207,331,000)	(212,854,009)								
	-8.1%									

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

