



# DuPage Water Commission

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

## AGENDA

**ENGINEERING & CONSTRUCTION COMMITTEE**  
**THURSDAY, JANUARY 19, 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 December 15, 2011 Engineering & Construction Committee Meeting of the DuPage Water Commission.**

- III. Report of Status of Construction/Operations
- IV. R-1-12 - A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Electrical Contract QRE-5/10 at the January 19, 2012, DuPage Water Commission Meeting
- V. Discussion Items
- VI. Old Business
- VII. Other
- VIII. Adjournment

Board\Agendas\Engineering\2012\1201.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, DECEMBER 15, 2011  
600 EAST BUTTERFIELD ROAD  
ELMHURST, ILLINOIS**

The meeting was called to order at 6:34 P.M.

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

Committee members absent: F. Saverino

Also in attendance: J. Spatz (as of 6:45 P.M.), T. McGhee (as of 6:45 P.M.), R.C. Bostick, F. Frelka, E. Kazmierczak and M. Weed.

Commissioner Scheck moved to approve the Minutes of the November 17, 2011 Engineering & Construction Committee Meeting of the DuPage Water Commission.  
Motion seconded by Commissioner Furstenau and passed unanimously as follows:

Ayes: R. Furstenau, M. Scheck and D. Loftus  
Nays: None

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

Regarding Water Conservation, Facilities Construction Supervisor Bostick indicated that Manager of Water Operations McGhee would be providing an oral report of the water conservation program, most likely under the Discussion Items section of the agenda.

Regarding Contract PSC-4 Lexington Generation Facilities, Facilities Construction Supervisor Bostick advised that the final payment for this project was tendered and the project is now officially closed.

Regarding the DuPage County Steeple Run Service Area, Facilities Construction Supervisor Bostick advised while a "Type D" pressure increasing PAS is now necessary as per the results of hydraulic analyses, DuPage County appears to be leaning towards the inclusion of certain provisions for a future pump and associated pumping equipment but not to have the pumps and associated pumping equipment installed under the joint facility construction contract. Facilities Construction Supervisor Bostick further noted the Engineer continues working on the preliminary design.

General Manager Spatz and Manager of Water Operations McGhee entered the meeting at 6:45 P.M.

Manager of Water Operations McGhee advised the Committee that the Commission is in the third year of the Water Conservation program and has provided several forms of educational information and water conservation kits or awareness devices to both the Commission's customers and the at-large public. Manager of Water Operations McGhee indicated that these efforts take place on Commission property, community fairs and presentations at various environmental summits.

Commissioner Furstenau indicated that with the upcoming increase in the price of water, conservation will become a natural side effect. Manager of Water Operations McGhee agreed with Commissioner Furstenau and stated that past history indicates that water rate increases usually reduce water consumption only temporarily.

General Manager Spatz advised the Committee that the entire board will be entering executive session to discuss the possibility of litigation concerning the design and construction issues related to the DuPage generator facility.

Commissioner Furstenau moved to adjourn the meeting at 7:05 P.M. Motion seconded by Commissioner Scheck and passed unanimously as follows:


Ayes: R. Furstenau, 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: January 12, 2012

SUBJECT: Status of Operations

### Operations Overview

The Commission's sales for the month of December were a total of 2.058 billion gallons. This represents an average day demand of 66.4 million gallons per day (MGD), which is lower than the December 2010 average day demand of 70.3 MGD. The maximum day demand was 71.1 MGD on December 29, 2011, which is lower than the December 2010 maximum day demand of 75.7 MGD. The minimum day flow was 61.7 MGD. The Commission's recorded total precipitation for the month of December was 2.65 inches compared to 2.35 inches for December 2010. The level of Lake Michigan for December 2011 is 577.56 (Feet IGLD 1985) compared to 576.98 (Feet IGLD 1985) for December of 2010.

### Water Conservation

Work has begun on creating the 2011 Annual report which will be available in the first quarter of 2012.

### DPWC Website

The dpwc.org website has been reorganized so the meeting materials and minutes area is cleaner and more user-friendly.

**Document Management**

Staff is in the process of creating workflows that will be utilized through DocMinder, a Document Management add-on, for board preparation procedures as well as other procedural needs. Staff will start using the DocMinder system for the February board meeting items.

The Commission's new leased copiers/printers have been outfitted with software that will allow employees to directly scan into the Document Management System.

Work continues to complete the document inventory that will be sent to the Secretary of State for their destruction authorization.

**Facilities Construction Overview****Contract PSD-7 DPPS Electrical Generation**

The Engineer is reviewing the Contractor's cost proposals for the suggested remedial actions.

**Contract PSC-5 Lexington Photovoltaic Cells**

No Change: The Contractor is waiting on the City to establish an internet connection in order to display the PV system data on the internet. This is the final work required before closing out the contract.

**Supply of Engine Generator Units**

No Change: We are working with Patten Power on a potential change order to credit the Contract for spare generator parts which we no longer wish to store.

**DuPage County Service Areas**

**Steeple Run:** The Engineer has supplied the preliminary design specifications and drawings. DWC and DPC are reviewing these documents.

**York Township:** No Change: We have been requested to develop estimates to provide a direct connection to this service area. This is a precursor to developing a joint connection facility agreement.

**Instrumentation / Remote Facilities Overview****Annual Customer Meter Calibration Program**

The program is underway and is approximately 30% complete.

### Remote Facilities Maintenance

Annual meter station inspections and calibrations are in process.  
The monthly instrumentation inspections of the tank sites are complete.

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

Work Authorization Order # QRE-5.002 to repair the electrical service entrances at various meter stations is being scheduled with ComEd to cut services so the work can be performed. No change in status.

Work Authorization Order # QRE-5.004 to relocate the service line for ROV29A control cabinet because it interferes with a traffic light mast foundation is on the agenda.

### GIS

#### Infor EAM

Staff is testing the Infor EAM 8.5 mobile application that's used to perform inspections and automatically generate work orders where appropriate.

Staff is working on streamlining the purchasing process for O&M items ordered from Grainger Corp. This will be especially helpful for large orders by eliminating tedious data entry.

#### ArcGIS Server Web Site

Work continues on a new GIS web site using ArcGIS Server version 10.

#### Paperless Agenda Project

Work continues on this project.

### Pipeline Construction Overview

#### Contract VSR-1/11

Advertisement for the fabrication of valve stem risers began on January 9<sup>th</sup>. Proposals are due on January 23<sup>rd</sup> and the contract is expected to be awarded at the February Commission meeting.

#### Contracts TOB-7/11 and TS-8

Work continues on project design and contract specifications for the Outer Belt Transmission Main Corrosion Mitigation Contract and the South Transmission Main Corrosion Mitigation Project (EN Engineering Task Order Nos. 13 and 6).

Contract QR-9 (Quick Response Contract)

There are no active work authorizations at this time.

**Operations Construction and Maintenance Overview**High Lift Pump #4 Motor Re-Build

Based on test results and visual inspection, Dreisilker Electric Motors determined that the HLP #4 motor stator requires rebuilding. Staff authorized Dreisilker Electric Motors to proceed with repair work at a cost of \$28,254, which will be deducted from the \$50,000 lump sum included in the Contract. Repair work is estimated to take 6 to 10 weeks. Total cost of removal, testing, repairing and reinstalling motor is \$36,694.

DuPage Pump Station Equipment and Facility

Annual maintenance and testing of the HLP Pump and Motor vibration monitoring system is complete.

FleetMatics Vehicle Identification System

The Commission has implemented a vehicle identification system that offers real-time insight into vehicle activity which helps reduce operational costs and improves workflow efficiency. This system will allow the Commission to reduce labor and fuel costs as well as increase vehicle safety and security.

**JANUARY 2012 COMMISSION AGENDA ITEMS:**

**R-1-12 - A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Electrical Contract QRE-5/10 at the January 19, 2012, DuPage Water Commission Meeting**

## Attachments:

1. DuPage Laboratory Bench Sheets for December, 2011
2. Water Sales Analysis 01-October-06 to 31-December - 2011
3. Chart showing Commission sales versus allocations
4. Chart showing Commission sales versus historical averages

DUPAGE WATER COMMISSION LABORATORY BENCH SHEET  
MONTHLY REPORT FOR DECEMBER 2011

## LEXINGTON SUPPLY

## DUPAGE DISCHARGE

DAY	FREE CL <sub>2</sub> mg/l	TURBIDITY NTU	PO <sub>4</sub> mg/l	FREE CL <sub>2</sub> mg/l	TURBIDITY NTU	TEMP °F	pH	Fluoride	PO <sub>4</sub> mg/l	P.A.C. LBS/MG	ANALYST INT
1	0.87	0.10	0.49	0.92	0.08	54	7.6	0.9	0.52	0	KD
2	0.85	0.11	0.45	0.91	0.09	52	7.7	1.0	0.48	0	CT
3	0.84	0.12	0.48	0.85	0.11	54	7.7	1.0	0.49	0	CT
4	0.92	0.10	0.49	0.92	0.10	53	7.7	1.0	0.50	0	FG
5	0.88	0.10	0.44	0.89	0.10	52	7.7	1.0	0.49	0	CT
6	0.83	0.10	0.45	0.91	0.10	54	7.7	1.0	0.48	0	CT
7	0.80	0.12	0.48	0.90	0.09	50	7.7	1.1	0.45	0	CT
8	0.86	0.10	0.45	0.93	0.08	50	7.6	1.0	0.47	0	CT
9	0.82	0.10	0.42	0.91	0.10	50	7.7	1.0	0.45	0	FG
10	0.85	0.11	0.44	0.92	0.09	50	7.7	1.0	0.47	0	FG
11	0.85	0.11	0.49	0.95	0.10	50	7.7	1.0	0.50	0	CT
12	0.89	0.12	0.47	0.95	0.09	48	7.7	1.0	0.48	0	CT
13	0.87	0.09	0.49	0.90	0.10	49	7.7	1.1	0.49	0	FG
14	0.81	0.10	0.43	0.93	0.11	48	7.7	0.9	0.50	0	MR
15	0.83	0.12	0.45	0.94	0.10	48	7.7	1.0	0.48	0	FG
16	0.84	0.11	0.51	0.86	0.09	48	7.7	1.0	0.51	0	CT
17	0.87	0.10	0.51	0.91	0.09	48	7.7	1.1	0.50	0	CT
18	0.89	0.10	0.50	0.94	0.09	47	7.7	1.0	0.51	0	FG
19	0.84	0.10	0.52	0.90	0.08	46	7.7	1.1	0.51	0	GA
20	0.86	0.10	0.46	0.94	0.09	48	7.7	1.0	0.50	0	CT
21	0.86	0.12	0.48	0.90	0.11	48	7.5	1.1	0.50	0	CT
22	0.85	0.12	0.45	0.93	0.11	48	7.7	1.1	0.50	0	CT
23	0.86	0.10	0.46	0.92	0.11	47	7.7	1.1	0.49	0	GA
24	0.88	0.11	0.48	0.95	0.10	48	7.7	1.0	0.48	0	FG
25	0.83	0.09	0.46	0.92	0.11	48	7.7	1.1	0.48	0	CT
26	0.84	0.11	0.47	0.94	0.09	48	7.7	1.0	0.46	0	CT
27	0.84	0.12	0.48	0.91	0.09	48	7.7	1.0	0.45	0	FG
28	0.82	0.09	0.45	0.93	0.09	47	7.6	1.0	0.45	0	FG
29	0.87	0.10	0.44	0.93	0.10	46	7.6	1.0	0.47	0	FG
30	0.89	0.11	0.47	0.90	0.09	46	7.6	1.0	0.48	0	AM
31	0.83	0.12	0.49	0.95	0.09	46	7.7	1.0	0.46	0	AM
AVG	0.85	0.11	0.47	0.92	0.10	49	7.7	1.0	0.48	0	
MAX	0.92	0.12	0.52	0.95	0.11	54	7.7	1.1	0.52	0	
MIN	0.80	0.09	0.42	0.85	0.08	46	7.5	0.9	0.45	0	

  
Terrance McGhee  
Manager of Water Operations



DU PAGE WATER COMMISSION  
WATER SALES ANALYSIS

01-May-92 TO 31-Dec-11

PER DAY AVERAGE 81,163,388

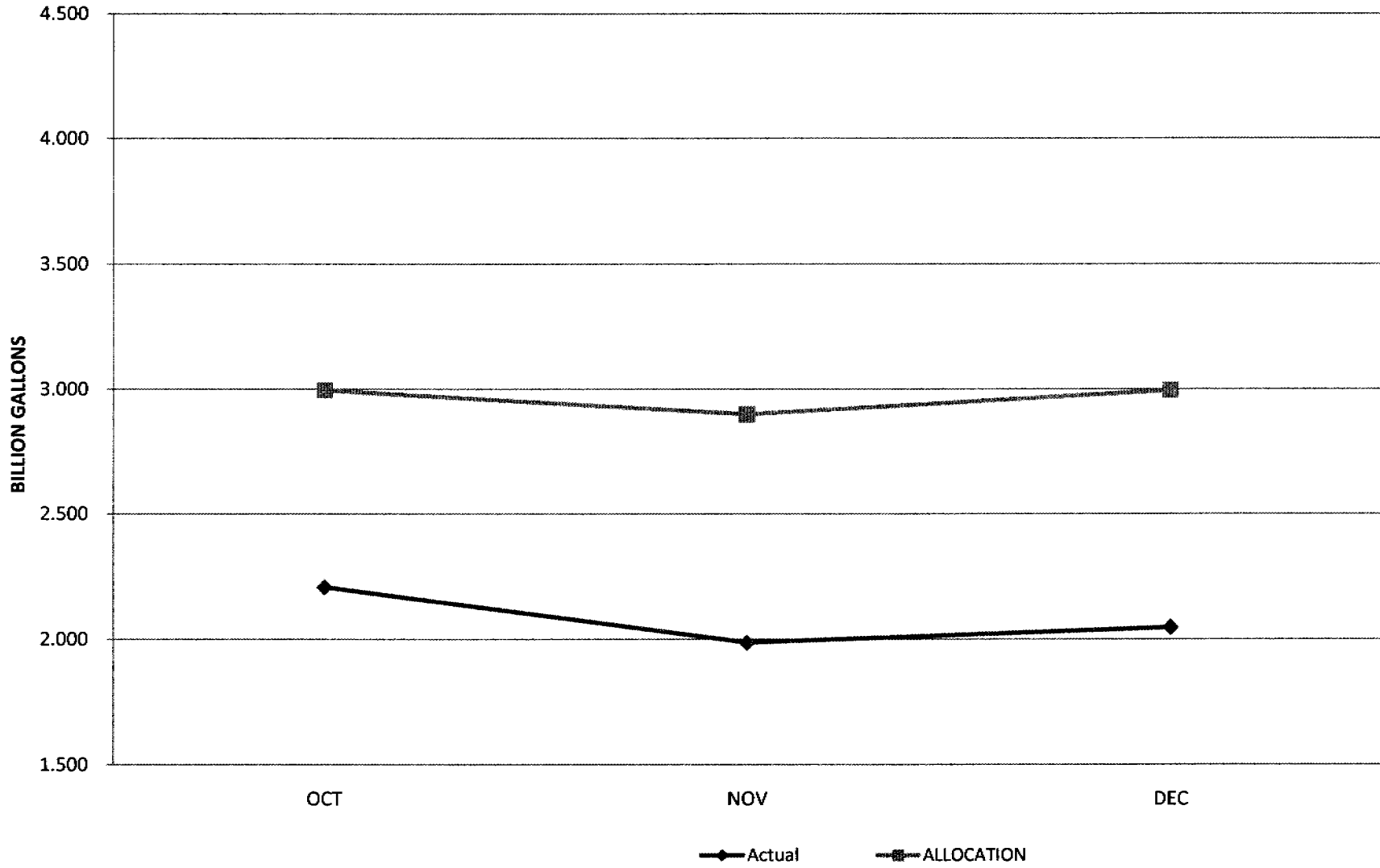
MONTH	SALES TO CUSTOMERS (GALLONS)	PURCHASES FROM CHICAGO (GALLONS)	GALLONS BILLED %	BILLINGS TO CUSTOMERS	BILLINGS FROM CHICAGO	DOCUMENTED COMMISSION WATER USE (2)	DOCUMENTED COMMISSION WATER USE %	TOTAL ACCOUNTED FOR %	DWC OPER. & MAINT. RATE (3)	CHGO RATE
May-07	2,863,644,000	2,951,900,000	97.01%	\$2,978,988.48	\$3,926,001.00	4,012,875	0.14%	97.15%	\$1.04	\$1.330
Jun-07	3,292,831,000	3,396,024,774	96.96%	\$3,424,545.52	\$4,516,712.95	4,468,064	0.13%	97.09%	\$1.04	\$1.330
Jul-07	3,314,840,000	3,412,423,571	97.14%	\$3,447,433.60	\$4,538,523.35	4,456,650	0.13%	97.27%	\$1.04	\$1.330
Aug-07	2,883,008,000	2,966,379,286	97.19%	\$2,998,328.32	\$3,945,284.45	4,172,900	0.14%	97.33%	\$1.04	\$1.330
Sep-07	2,951,692,000	3,051,590,188	96.73%	\$3,070,294.72	\$4,058,614.95	3,977,217	0.13%	96.86%	\$1.04	\$1.330
Oct-07	2,512,609,400	2,578,045,000	97.46%	\$2,614,883.38	\$3,428,799.85	9,585,389	0.37%	97.83%	\$1.04	\$1.330
Nov-07	2,143,753,000	2,205,810,263	97.19%	\$2,230,952.72	\$2,933,727.65	10,390,297	0.47%	97.66%	\$1.04	\$1.330
Dec-07	2,228,281,000	2,292,016,165	97.22%	\$2,317,412.24	\$3,048,381.50	2,174,944	0.09%	97.31%	\$1.04	\$1.330
Jan-08	2,262,968,000	2,324,208,591	97.37%	\$2,353,486.72	\$3,554,877.04	2,134,597	0.09%	97.46%	\$1.04	\$1.530
Feb-08	2,145,137,000	2,197,527,140	97.62%	\$2,232,195.60	\$3,361,117.76	2,074,217	0.09%	97.71%	\$1.04	\$1.529
Mar-08	2,239,073,000	2,295,015,835	97.56%	\$2,328,635.92	\$3,510,226.72	2,041,001	0.09%	97.65%	\$1.04	\$1.530
Apr-08	2,177,771,000	2,244,319,320	97.03%	\$2,266,101.68	\$3,432,686.40	8,144,629	0.36%	97.40%	\$1.04	\$1.530
May-08	2,474,831,000	2,566,584,008	96.43%	\$2,573,824.24	\$3,925,590.24	4,884,294	0.19%	96.62%	\$1.04	\$1.529
Jun-08	2,604,318,000	2,677,371,376	97.27%	\$2,709,084.64	\$4,095,039.52	1,964,000	0.07%	97.34%	\$1.04	\$1.530
Jul-08	3,152,495,000	3,254,898,777	96.85%	\$3,278,594.80	\$4,978,367.68	2,131,900	0.07%	96.92%	\$1.04	\$1.530
Aug-08	3,184,859,000	3,279,095,181	97.13%	\$3,312,253.36	\$5,015,376.08	2,353,100	0.07%	97.92%	\$1.04	\$1.530
Sep-08	2,552,623,000	2,619,576,751	97.44%	\$2,655,066.48	\$4,006,642.64	2,109,972	0.08%	97.52%	\$1.04	\$1.529
Oct-08	2,302,750,000	2,362,503,982	97.47%	\$2,855,410.00	\$3,613,449.84	7,923,498	0.34%	97.81%	\$1.24	\$1.529
Nov-08	2,096,015,000	2,165,230,363	96.80%	\$2,599,238.12	\$3,311,719.84	2,220,353	0.10%	96.91%	\$1.24	\$1.529
Dec-08	2,256,850,000	2,320,311,736	97.26%	\$2,798,494.00	\$3,548,916.80	2,283,006	0.10%	97.36%	\$1.24	\$1.529
Jan-09	2,293,548,000	2,349,026,333	97.64%	\$2,349,999.52	\$4,131,937.32	2,163,839	0.09%	97.73%	\$1.24	\$1.759
Feb-09	2,048,827,000	2,102,586,263	97.44%	\$2,540,545.48	\$3,696,346.65	1,967,373	0.09%	97.54%	\$1.24	\$1.758
Mar-09	2,141,079,000	2,198,279,067	97.40%	\$2,855,454.08	\$3,864,574.60	5,652,898	0.26%	97.66%	\$1.24	\$1.758
Apr-09	2,090,046,000	2,146,681,399	97.36%	\$2,591,657.04	\$3,773,865.90	2,265,801	0.11%	97.47%	\$1.24	\$1.758
May-09	2,446,586,000	2,522,765,415	96.98%	\$3,620,947.28	\$4,435,021.60	2,189,800	0.09%	97.07%	\$1.48	\$1.758
Jun-09	2,517,674,000	2,587,363,481	97.31%	\$3,726,157.52	\$4,548,585.00	2,202,450	0.09%	97.39%	\$1.48	\$1.758
Jul-09	2,888,499,000	2,971,742,918	97.20%	\$4,274,978.52	\$5,224,324.05	2,030,397	0.07%	97.27%	\$1.48	\$1.758
Aug-09	2,931,183,000	3,010,833,874	97.35%	\$4,338,150.84	\$5,293,045.95	7,554,834	0.25%	97.61%	\$1.48	\$1.758
Sep-09	2,614,552,000	2,691,957,594	97.12%	\$3,869,536.96	\$4,732,461.45	1,994,945	0.07%	97.20%	\$1.48	\$1.758
Oct-09	2,155,177,000	2,204,779,266	97.75%	\$3,189,661.96	\$3,876,001.95	2,141,324	0.10%	97.85%	\$1.48	\$1.758
Nov-09	2,003,572,000	2,054,392,036	97.53%	\$2,965,286.56	\$3,611,621.20	2,224,921	0.11%	97.63%	\$1.48	\$1.758
Dec-09	2,124,149,000	2,174,881,342	97.67%	\$3,143,740.52	\$3,823,441.40	2,335,534	0.11%	97.77%	\$1.48	\$1.758
Jan-10	2,152,708,000	2,207,536,160	97.52%	\$3,186,007.84	\$4,426,110.00	2,148,128	0.10%	97.61%	\$1.48	\$2.005
Feb-10	1,920,433,000	1,956,112,219	98.18%	\$2,842,240.84	\$3,922,005.00	1,920,979	0.10%	98.27%	\$1.48	\$2.005
Mar-10	2,088,030,000	2,142,426,434	97.46%	\$3,090,284.40	\$4,295,565.00	3,367,754	0.16%	97.62%	\$1.48	\$2.005
Apr-10	2,117,657,000	2,160,538,653	98.02%	\$3,134,132.36	\$4,331,880.00	2,162,448	0.10%	98.12%	\$1.48	\$2.005
May-10	2,493,442,000	2,546,177,057	97.93%	\$4,587,933.28	\$5,106,085.00	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%	98.06%	\$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
TOTALS (1)	583,077,775,798	599,613,472,361	97.24%	\$793,058,668.32	\$755,855,601.53	592,523,739	0.10%	97.34%	\$1.36	\$1.261

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

Note: Remember to change date in E2 to current date  
Insert row and copy 271 to new row. Remove ' from the formula.

YTD	Dec-10	19,856,529,000	20,268,329,178	97.97%	\$36,536,013.36	\$40,638,000.00			\$1.84	\$2.005
	Dec-11	19,481,404,398	19,835,012,470	98.22%	\$39,741,818.97	\$39,769,200.00			\$2.04	\$2.005
		(375,124,602)	(433,316,708)		\$3,205,805.61	\$ (868,800.00)				
		-1.89%	-2.1%		8.8%	-2.1%				
Month	Dec-10	2,173,930,000	2,196,014,963	98.99%	4,000,031	4,403,010			\$1.84	\$2.005
	Dec-11	2,046,708,000	2,072,416,459	98.76%	4,175,284	4,155,195			\$2.04	\$2.005
		(127,222,000)	(123,598,504)		\$ 175,253.12	\$ (247,815.00)				
		-5.9%	-5.6%		4.0%	-6.2%				
dec less nov		60,670,000								

# DU PAGE WATER COMMISSION SALES FY 2011-12 VS. ALLOCATION



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

