



# DuPage Water Commission

600 E. Butterfield Road, Elmhurst, IL 60126-4642  
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**NOTICE IS HEREBY GIVEN THAT A SPECIAL COMMITTEE OF THE WHOLE MEETING OF THE DUPAGE WATER COMMISSION WILL BE HELD AT 6:30 P.M. ON THURSDAY, OCTOBER 14, 2010, AT ITS OFFICES LISTED BELOW. THE AGENDA FOR THE SPECIAL COMMITTEE OF THE WHOLE MEETING IS AS FOLLOWS:**

## AGENDA

**DUPAGE WATER COMMISSION  
COMMITTEE OF THE WHOLE  
THURSDAY, OCTOBER 14, 2010  
6:30 P.M.**

**600 EAST BUTTERFIELD ROAD  
ELMHURST, IL 60126**

- I. Roll Call  
(Majority of the Commissioners then in office—minimum 7)
- II. Recommendations From Ad Hoc Committee
- III. Finance
- IV. Engineering
- V. Adjournment

Board/Agenda/Commission/COW1010.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.



# DuPage Water Commission

## MEMORANDUM

TO: Chairman and Commissioners

FROM: Terry McGhee   
Acting General Manager

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

DATE: October 6, 2010

SUBJECT: Status of Operations

### Operations Overview

The Commission's sales for the month of September were a total of 2.531 billion gallons. This represents an average day demand of 84.4 million gallons per day (MGD), which is lower than the September 2009 average day demand of 87.3 MGD. The maximum day demand was 90.7 MGD on September 13, 2010, which is lower than the September 2009 maximum day demand of 102.1 MGD. The minimum day flow was 74.2 MGD. The Commission's recorded total precipitation for the month of September was 2.78 inches compared to 1.03 inches for September 2009. The level of Lake Michigan for September 2010 is 577.94 (Feet IGLD 1985) compared to 578.63 (Feet IGLD 1985) for September of 2009.

### Water Conservation

The Commission has distributed 22 rain barrels to date and our customers are using them as displays for the public as well as promoting the sale of rain barrels to their residents. The Commission has also received 15 completed Utility Pledges and 12 status updates on the Utility Pledges.

The DWC Water Conservation Program was featured at the Cantigny Green Fair on September 25<sup>th</sup> from 10:00 A.M.-4:00 P.M.

The Commission mailed and e-mailed a survey relating to the thirteen measures outlined in Chicago Metropolitan Agency for Planning's Water 2050 Northeastern

Illinois Regional Water Supply/Demand Plan. To date, we have received 10 completed surveys.

### **Document Management**

Staff has started the process of moving documents into the new databases.

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

Commission staff will be giving a presentation about the Document Management System at the ISAWWA IMTech Conference in Countryside, IL on October 7, 2010.

### **Facilities Construction Overview**

#### **Contract PSD-6 Reservoir Addition - Division A – Equipment Storage Building and Material Storage**

The Contractor is working on record drawings.

#### **Contract PSD-7 DPPS Electrical Generation**

Generator start-up and testing is complete. ComEd acceptance testing is complete. Security systems installation is underway. Final finishes and landscaping work is ongoing. A report has been provided by the engineer for review. Change Order No. 11 appears on the agenda as R-47-10. A table of change orders approved, pending or in development has been prepared for review. Payout No. 21 appears on the Accounts Payable. The project completion date remains November 25, 2010.

#### **Generator Supply Contract**

With all generators installed, start-up and testing at the Lexington Pumping Station is all that remains under this contract. The dates for these activities are to be determined based upon work progress of the PSC-4 contract.

#### **Contract PSC-4 Lexington Pump Station Electrical Generation / Variable Frequency Drives**

Commissioning of systems is ongoing. Generator testing is underway. ComEd systems' testing is tentative for the week of 10/11. Final finishes and landscape installation is ongoing. A report has been provided by the engineer for review. Change Order No. 7 appears on the agenda as R-46-10. Payout No. 16 appears on the Accounts Payable. A table of change orders approved, pending or in

development has been prepared for review. The project completion date is October 21, 2010.

As previously reported, the concern remains that the completion of the work will be delayed due to critical equipment shop drawing submittals not being provided in a timely manner. Although the Contractor has been making exceptional strides to complete the project and offset the early delays, completion of the project may still be delayed.

#### Contract PSC-5 Lexington Photovoltaic Cells

Since the low voltage systems have been energized, PV System acceptance testing is now possible. The Contractor has not yet scheduled this testing. A report has been provided by the engineer for review. Change Order No. 2 appears on the agenda as R-45-10. This change order is for a time extension of 92 calendar days. A table of change orders approved, pending or in development has been prepared for review.

#### Winfield Additional Connection – Contract MS-17/10

Electrical and mechanical work is ongoing. The Contract Completion date is September 21, 2010. The Contractor has requested a time extension due to changes made in equipment as requested by Staff. This request appears on the agenda as R-44-10. Payout No. 2 appears on the Accounts Payable.

#### DuPage County Service Areas - Contract MS-18/09

The Contractor is working on final punch list items.

#### Instrumentation / Remote Facilities Overview

##### Annual Customer Meter Calibration Program

The Meter Shop semi-annual bench and tank calibration was completed and the customer meter calibration program will be starting in October.

#### GIS

##### Web Site

Patrick Engineering is expected to be on site the week of October 4 to complete the new Microsoft Silverlight GIS web site. Silverlight is the latest iteration of "thin client" web mapping technology that puts the majority of the processing on the GIS web server (as opposed to the client's desktop PC) to produce a faster response for users. Silverlight is a Microsoft program that sits on top of ArcGIS Server which is the program ESRI developed at least in part to compete with Google Earth and other open source mapping applications.

Staff will be participating in the annual AWWA Information Management and Technology conference where one of the presentations will discuss the Commission's document management system

### **Pipeline Construction Overview**

#### **Contract QR-8 (Quick Response Contract)**

Restoration work included under WAO's #20 and #21(Carol Stream Leak Repair and 55<sup>th</sup> Street excavation in the City of Downers Grove) is ongoing.

Work authorized under WAO #22 (blow off valve adjustments in the Cities of Naperville and Carol Stream) has been completed. Work authorized under WAO #23 (sump pump discharge line modifications at ROV 8A located in the City of Lombard) is scheduled to begin in the next several weeks.

#### **Pipeline Distribution System Maintenance**

Annual exercising of distribution system valves is in progress and is expected to continue through the end of November.

Pipeline maintenance truck RFP's were delivered to 9 area Ford dealers and posted on the Commission's website on Tuesday September 21<sup>st</sup>. Proposals are due back on October 26<sup>th</sup>.

### **OCTOBER 2010 COMMISSION AGENDA ITEMS:**

**R-41-10**-----A Resolution Accepting the Proposal of Timothy W. Sharpe for Actuarial Services at the October 14, 2010, DuPage Water Commission Meeting.

**R-42-10**-----A Resolution Releasing Certain Executive Session Meeting Minutes at the October 14, 2010, DuPage Water Commission Meeting.

**R-43-10**-----A Resolution Approving and Authorizing the Execution of a Master Contract with Camp Dresser & McKee Inc. for Professional Engineering Services at the October 14, 2010, DuPage Water Commission Meeting.

**R-44-10**-----A Resolution Approving and Ratifying Certain Contract MS-17/10 Change Orders at the October 14, 2010, DuPage Water Commission Meeting.

**R-45-10**-----A Resolution Approving and Ratifying Certain Contract PSC-5/08 Change Orders at the October 14, 2010, DuPage Water Commission Meeting.

**R-46-10**-----A Resolution Approving and Ratifying Certain Contract PSC-4/08 Change Orders at the October 14, 2010, DuPage Water Commission Meeting.

**R-47-10-----**A Resolution Approving and Ratifying Certain Contract PSD-7/08 Change Orders at the October 14, 2010, DuPage Water Commission Meeting.

**R-48-10-----**A Resolution Approving and Authorizing the Execution of a New Electrical Supply Agreement at the October 14, 2010, DuPage Water Commission Meeting.

**Attachments:**

1. DuPage Laboratory Bench Sheets for September, 2010
2. Water Sales Analysis 01-April-06 to 31-September-30 2010
3. Chart showing Commission sales versus allocations
4. Chart showing Commission sales versus historical averages

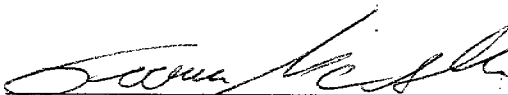
Operations\Memorandums>Status of Oper/2010/10/01.doc

DUPAGE WATER COMMISSION LABORATORY BENCH SHEET  
MONTHLY REPORT FOR SEPTEMBER 2010

## LEXINGTON SUPPLY

## DUPAGE DISCHARGE

DAY	FREE CL <sub>2</sub>	TURBIDITY	PO <sub>4</sub>	FREE CL <sub>2</sub>	TURBIDITY	TEMP	pH	Fluoride	PO <sub>4</sub>	P.A.C.	ANALYST
	mg/l	NTU	mg/l	mg/l	NTU	°F			mg/l	LBS/MG	INT
1	0.79	0.10	0.44	0.89	0.12	71	7.5	1.0	0.51	0	MR
2	0.75	0.12	0.48	0.86	0.09	71	7.5	1.0	0.47	0	MR
3	0.80	0.10	0.44	0.94	0.12	71	7.6	1.0	0.43	0	MR
4	0.79	0.11	0.42	0.88	0.10	69	7.6	1.0	0.42	0	MR
5	0.77	0.11	0.46	0.94	0.10	70	7.5	1.0	0.54	0	JG
6	0.71	0.12	0.48	0.94	0.11	70	7.5	1.0	0.51	0	JG
7	0.78	0.12	0.47	0.96	0.11	69	7.5	1.0	0.49	0	JG
8	0.77	0.11	0.50	0.95	0.12	69	7.6	1.0	0.54	0	JG
9	0.78	0.10	0.46	0.89	0.12	69	7.6	1.0	0.50	0	MR
10	0.82	0.10	0.46	0.90	0.11	69	7.5	1.0	0.55	0	MR
11	0.81	0.10	0.49	0.91	0.11	67	7.5	1.0	0.51	0	MR
12	0.82	0.11	0.51	0.91	0.11	67	7.5	1.1	0.51	0	RC
13	0.82	0.11	0.51	0.87	0.12	65	7.5	1.1	0.54	0	RC
14	0.78	0.11	0.48	0.87	0.12	65	7.5	1.0	0.53	0	RC
15	0.78	0.12	0.48	0.89	0.12	67	7.5	1.1	0.54	0	RC
16	0.83	0.10	0.49	0.90	0.12	65	7.7	1.0	0.53	0	RC
17	0.81	0.10	0.51	0.92	0.10	67	7.6	1.1	0.50	0	GA
18	0.78	0.10	0.48	0.89	0.11	66	7.7	1.1	0.50	0	GA
19	0.80	0.12	0.49	0.91	0.10	66	7.6	1.1	0.49	0	GA
20	0.75	0.11	0.50	0.88	0.12	66	7.6	1.0	0.49	0	GA
21	0.81	0.09	0.50	0.91	0.10	65	7.6	1.1	0.53	0	RC
22	0.81	0.10	0.49	0.94	0.09	65	7.5	1.0	0.54	0	RC
23	0.79	0.10	0.48	0.94	0.11	65	7.5	1.1	0.51	0	RC
24	0.81	0.11	0.47	0.92	0.10	66	7.5	1.1	0.53	0	RC
25	0.83	0.10	0.47	0.92	0.10	64	7.6	1.0	0.47	0	GA
26	0.80	0.11	0.51	0.89	0.10	66	7.5	1.0	0.48	0	GA
27	0.83	0.10	0.46	0.87	0.10	64	7.5	1.1	0.47	0	GA
28	0.76	0.11	0.46	0.89	0.12	65	7.5	1.1	0.47	0	GA
29	0.79	0.09	0.50	0.91	0.09	64	7.6	1.0	0.52	0	RC
30	0.82	0.09	0.51	0.92	0.09	63	7.5	1.0	0.52	0	RC
AVG	0.79	0.11	0.48	0.91	0.11	67	7.5	1.0	0.50	0	
MAX	0.83	0.12	0.51	0.96	0.12	71	7.7	1.1	0.55	0	
MIN	0.71	0.09	0.42	0.86	0.09	63	7.5	1.0	0.42	0	

  
Terrance McGhee  
Acting General Manager

DU PAGE WATER COMMISSION  
WATER SALES ANALYSIS

01-May-92 TO 30-Sep-10

PER DAY AVERAGE 81,571,101

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 RATE	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	3,386,024,774	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	97.48%	\$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	2,262,988,000	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	97.58%	\$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	2,619,578,751	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%	\$2,843,999.52	\$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%	\$2,655,454.08	\$3,864,574.60	5,652,898	0.26%	97.66%	\$1.24	\$1.758
Apr-09	2,090,048,000	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	2,517,874,000	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	\$5,293,046.95	7,554,834	0.25%	97.61%	\$1.48	\$1.758
Sep-09	2,614,552,000	2,691,957,594	97.12%	\$3,869,538.96	\$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	\$5,105,085.00	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
TOTALS (1)	548,728,794,400	564,685,624,479	97.17%	\$725,960,507.67	\$685,825,266.53	572,588,683	0.10%	97.28%	\$1.32	\$1.215

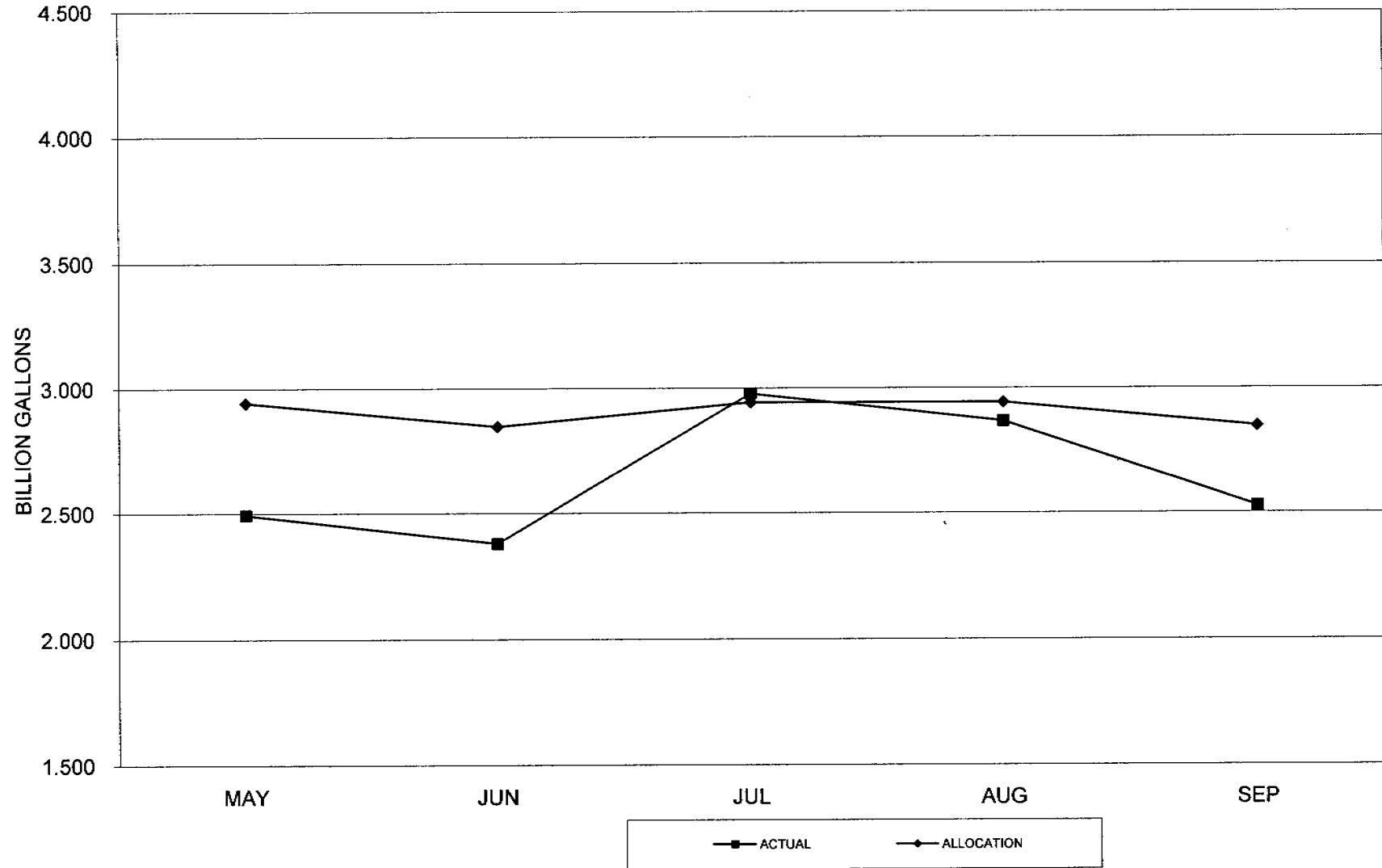
(1) - SINCE MAY 1, 1992

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

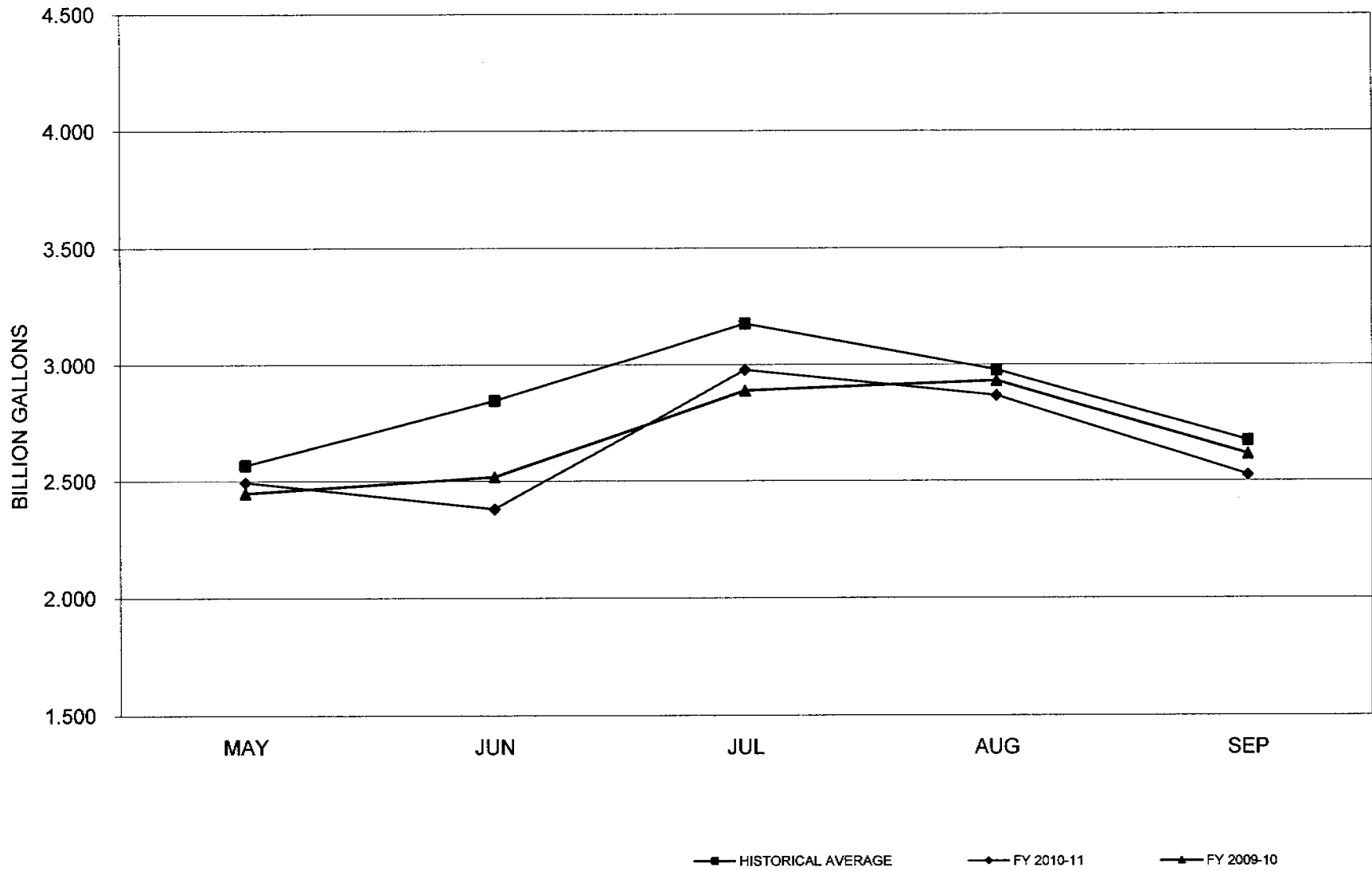
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**DU PAGE WATER COMMISSION SALES  
FY 2010-11 VS. ALLOCATION**



**DU PAGE WATER COMMISSION SALES  
FY 2010-11 & FY 2009-10 VS. HISTORICAL AVERAGE**



# **Electric Generation Facility & Office/Garage Expansion**



## **DuPage Water Commission**

**600 E. Butterfield Road**

**Elmhurst IL 60126**

**PSD 7/08**

Monthly Progress Report #21

September 2010





October 1, 2010

Mr. Chris Bostick  
Facilities Construction Supervisor/Safety Coordinator  
DuPage Water Commission  
600 East Butterfield Rd.  
Elmhurst, IL 60126

*Subject:* DuPage Water Commission  
Electrical Generation Facility and Office/Garage Expansion  
Monthly Construction Progress Report No. 21

Dear Mr. Bostick:

We herewith submit our Progress Report No. 21 for the construction of the Electrical Generation Facility and Office/Garage Expansion for the DuPage Pumping Station covering the one month period from September 1, 2010 through September 30, 2010.

**1. *Overview and Status of the Work***

The Electrical Generation Facility and Office/Garage Expansion for the DuPage Pumping Station project consist of the renovation and expansion of the Existing Service Building in both the North and South directions. The North expansion is to create office space, the South expansion is to house four Standby 2500 kW Diesel Engine-Generators and the existing portion is to be the Electrical Room. Due to the conversion of the Existing Service Building a new Garage is to be built. Also, the existing Upper Parking Lot is to be relocated to the Northwest area of the site to allow for the installation of a covered parking structure. The project includes site piping, grading and pavement to accommodate the changes.

In the past month, Williams Brothers Construction, Inc. (WBCI) has continued cleaning and installing the final finishes in the buildings. WBCI continued painting the walls, doors, ceilings, conduit, piping and structural steel throughout the buildings. Additionally, they finished installing the vegetative green roof and began installing the irrigation system for the landscaping. They continued pulling and terminating wire for the site security system, as well as, installed light fixtures, outlets and switches. They

installed the resilient sheet flooring and carpet in the Office Building. They continued installing site conduit for the gate operators and security system. WBCI continued installing the piping for the rainwater collection system. They moved the construction trailers, then cleaned and seeded the staging area. They performed startup procedures for the boiler and hot water heater. Finally, they installed the top course of the asphalt pavement for the Visitor's Parking Lot along with the associated striping.

**2. *Scheduled Upcoming Work/October, 2010***

In the next month, Williams Brothers Construction, Inc. plans to continue painting the structural steel, doors, conduit, piping, ceilings and walls throughout the buildings. Electrical work will continue in the office, generator and existing service buildings with the installation of electrical equipment, fixtures and wire. They plan to continue installing the irrigation system for the landscaping, as well as, finish installing the rainwater collection system. Also, WBCI will continue cleaning, installing epoxy flooring and final finishes. They plan to continue testing and starting of HVAC and mechanical equipment. They plan to continue to install the perimeter security system and gate operators. Finally, they plan to begin training on the new systems.

**3. *Project Schedule***

The August 2010 Construction Schedule update indicates the project's final completion date remains on schedule.

*Contract No. PSD-7/08*

▪ Contract Execution Date	November 25, 2008
▪ Contract Duration (final Completion)	730 calendar days
▪ Time Expended	676 days
▪ Percent Time Complete	92.60%
▪ Approved Time Extensions	0 days
▪ Final Completion Date	November 24, 2010

**4. *Construction Costs and Progress Payments***

Applications for Progress Payments have been submitted each month by Williams Brothers Construction, Inc. to commensurate with the work performed. The following is a summary of progress payments.

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October 1, 2010  
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*Contract No. PSD-7/08*

▪ Original Contract Price	\$16,970,000.00
▪ Approved Change Orders	\$ 609,841.00
▪ Approved Change Order Percentage	3.59%
▪ Revised Contract Price	\$17,579,841.00
▪ Total Completed To Date	\$ 17,012,499.43
▪ Percent Completed To Date	96.59%

5. *Pending Action Items and Issues*

- A change order is pending.

Should you have any questions, please do not hesitate to call.

Very truly yours,

Robert J. Reid  
Resident Engineer  
Camp Dresser & McKee Inc.

cc: David D. Tucker, Jacquelyne Sanders

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Vegetative Green Roof Progress



Vegetative Green Roof Progress

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Vegetative Green Roof Progress



Engine-Generator Testing



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Parking Lot Pavement Completion



Resilient Sheet Flooring

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Carpet in Offices



**DuPage Water Commission**

**PSC-05/08**

**Lexington Pumping Station**

**PHOTOVOLTAIC SYSTEM**

**Progress Report #14**

**September 2010**

Prepared by:

Dwayne Allen/Greeley and Hansen



**GREELEY AND HANSEN**



**McDonough Associates Inc.**  
**Engineers/Architects**

October 1, 2010

## Progress Report September – 2010

The following is a brief report of the progress achieved on the PSC-05/08 project at the Lexington Pumping Station for the month of September 2010.

### I. Summary of Work Performed and Project Status

As documented in previous progress reports, installation work for the PSC-05/08 Project has been completed and the remaining work for project completion is primarily testing and commissioning related.

- Contract Commencement Date July 21, 2008
- Contract Duration 730 calendar days
  - Days Expended 801
  - Percent Time Complete 109%
- Approved Time Extension 0 days
- Final Completion Date July 21, 2010

### II. Planned Work – October 2010

The Month of October will bring the completion of the PSC-05/08 project including the remaining tasks for commissioning, restoration, any punch list items, and project closeout documents.

### III. Construction Costs and Progress Payments

The progress payment summary is reflective of the installation milestone payments to-date.

- Original Contract Price \$ 7,996,000.00
- Approved Grant Change Orders \$ 250,000.00
- Approved Constructive Change Orders \$ 0.00
- Constructive Change Order Percentage 0.0%
- Revised Contract Price \$ 8,246,000.00
- Completed to Date \$ 6,646,800.00
- Percent Completed to Date 80.6%



## Progress Report September – 2010

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### **IV. Pending Action Items and Project Issues**

A request for Contract Time extension appears on the DWC board agenda for October 14<sup>th</sup>. This request, if approved, would change the Contract Completion Date to October 21, 2010.

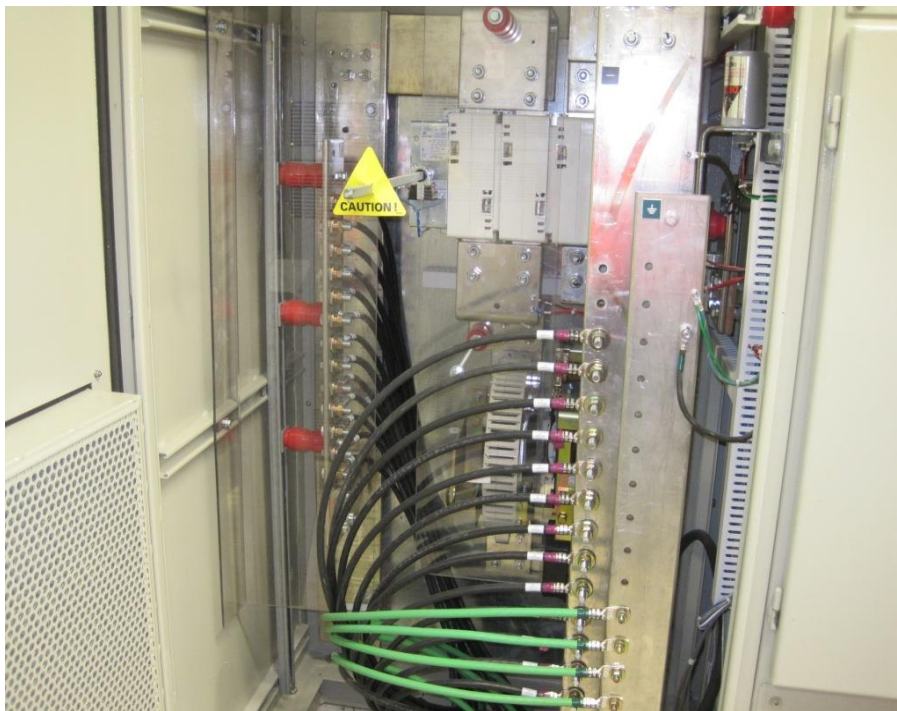


## Progress Report September – 2010

PV Disconnect Switches on Reservoir Wall



Cable Terminations in PV Inverter



## Progress Report September – 2010

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### Photovoltaic Panels





**DuPage Water Commission**

**PSC-04/08**

# **Lexington Pumping Station**

Division A – Generator Facility

Division B – Variable Frequency Drives

## **Progress Report #19**

### **September 2010**

Prepared by:

Dwayne Allen/Greeley and Hansen



**GREELEY AND HANSEN**



**McDonough Associates Inc.**  
**Engineers/Architects**

October 1, 2010



## Progress Report – September 2010

The following is a brief report of the progress achieved on the PSC-04/08 project at the Lexington Pumping Station for the month of September 2010.

### I. Summary of Work Performed and Project Status

The PSC-04/08 project is progressing on schedule for completion of the project on October 21, 2010. As planned the commissioning of the generators (Portable unit included) and paralleling electrical gear began this month and is nearing completion. Vibration and harmonics testing for pumps HLP-1 and LLP-9 was completed therefore completing the commissioning of B-AFD-1. Final grading work along the North Road and new building was completed allowing for the completion of the concrete and asphalt paving, installation of the new fencing, and commencement of the landscaping. Photographs of September progress can be found at the end of this report.

### II. Project Progress

- Contract Commencement Date                      July 21, 2008
- Contract Duration                                      730 calendar days
- Approved Time Extensions
  - Generator Delivery Period                      188 days
  - Contract Completion Date                      92 days
- Revised Contract Duration                      822 calendar days
  - Days Expended                                      801
  - Percent Completion                              97.4%
- Final Completion Date                              October 21, 2010

### III. Planned Work – October 2010

The Month of October may bring the completion of the PSC-04/08 project including the remaining tasks for commissioning the generators and paralleling gear, landscaping, building finishes, restoration, cleaning and demobilization.



## Progress Report – September 2010

### IV. Construction Costs and Progress Payments

The following summary reflects activity through pay request #16 which is currently being processed for payment approval.

• Original Contract Price	\$17,209,000.00
• Approved Permit/Water Main Related Change Orders	\$ 417,902.87
○ Permit/WM Change Order Percentage	2.4%
• Approved Constructive Change Orders	-\$ 6,044.77
○ Constructive Change Order Percentage	-0.03%
• Revised Contract Price	\$ 17,620,858.10
• Completed to Date	\$ 16,460,041.94
• Percent Completed to Date	93.4%

### V. Pending Action Items and Project Issues

A . Processing the identified change orders for the project.

North Road Concrete Pour



## Progress Report – September 2010

### Portable Generator Delivered



### Restoration East of Construction Trailers



## Progress Report – September 2010

### Fence Installation



### Generator Commissioning



## Progress Report – September 2010

### Landscaping Outside Existing Pumping Station



<b>PSC-4 LEXINGTON GENERATORS AND VFD'S</b>			<b>ORIGINAL CONTRACT</b>	<b>\$17,209,000.00</b>	
CHANGE ORDER	DATE APPROVED	CONTENT	COST	REVISED CONTRACT COST	
1	4/9/09	South Road Modifications	\$28,331.37	\$17,237,331.37	CUMULATIVE CHANGE ORDER PERCENTAGE 2.39%
2	9/10/09	Building Permit Related Work	\$204,866.51	\$17,442,217.88	
3	10/9/09	South Road Manhole Adjustment	\$3,270.43	\$17,445,468.31	
4	2/12/10	IDOT Permit Required Work	\$67,025.47	\$17,512,493.78	
5	4/15/10	Underground Fuel Storage Tank Permit Requirements and Roof Curb Additions	\$71,636.68	\$17,584,130.46	
6	6/10/10	City of Chicago Water Main Modifications	\$36,727.64	\$17,620,858.10	
7	Appears on 10/14/10 Agenda	Penthouse roofing credit	-\$7,779.56		
<b>PSC-5 LEXINGTON PHOTOVOLTAIC</b>			<b>ORIGINAL CONTRACT</b>	<b>\$7,996,000.00</b>	
CHANGE ORDER	DATE APPROVED	CONTENT	COST	REVISED CONTRACT COST	CUMULATIVE CHANGE ORDER PERCENTAGE
1	8/14/09	Expansion of 24 KW from ILDCEO Grant received	\$250,000.00	\$8,246,000.00	3.13%
2	Appears on 10/14/10 Agenda	Contract Time extension of 92 Calendar Days	N/A	N/A	
<b>PSD-7 DUPAGE GENERATORS/OFFICE/GARAGE EXPANSION</b>			<b>ORIGINAL CONTRACT</b>	<b>\$16,970,000.00</b>	
CHANGE ORDER	DATE APPROVED	CONTENT	COST	REVISED CONTRACT COST	
1	2/6/09	Building Permit Required Work - Garage	\$78,175.00	\$17,048,175.00	
2	5/15/09	Sanitary Casing/Demolition and Storm water Work	\$36,131.00	\$17,084,306.00	
3	7/10/09	Structural/Architectural Modifications	\$14,279.00	\$17,098,585.00	
4	8/14/09	ComEd Work, IDOT Permit Required Work, Add Gypsum and Knee Wall	\$33,179.00	\$17,131,764.00	
5	10/9/09	Roof and Underground Piping Modifications, Water Stop Addition	\$29,861.00	\$17,161,625.00	
6	2/12/10	15 Items; Electrical, Data, Natural Gas Piping, Fall Protection, Water Main Work and Credit, Mechanical Work, Permit Required Sanitary Vents	\$74,959.00	\$17,236,584.00	
7	3/11/10	Combination Motor Starters, Fuel/Oil Piping Modifications	\$18,576.00	\$17,255,160.00	
8	5/13/10	2 Items; Relocation of Fire Suppression System Piping and Meter Vault adjustment	\$3,947.00	\$17,259,107.00	
9	7/13/10	HVAC Modifications, Access Ladder, Concrete Sidewalks & Stairs, Lighting Modifications and Security System Enhancements	\$302,241.00	17,561,348.00	

DuPage Water Commission  
 Facilities Construction Change Order Log

October 1, 2010

PSD-7 DUPAGE GENERATORS/OFFICE/GARAGE EXPANSION (Continued)			ORIGINAL CONTRACT	\$16,970,000.00	
CHANGE ORDER	DATE APPROVED	CONTENT	COST	REVISED CONTRACT COST	
10	8/12/10	Demolition Credit, Electrical Wiring, Eliminate Data Racks, Balancing a Previous CO Item, Power Relays, Conduit Install and Flow Switches	\$18,493.00	\$17,579,841.00	CUMULATIVE CHANGE ORDER PERCENTAGE 3.59%
11	Appears on 10/14/10 Agenda	Plumbing Demolition Credit Security Conduit Extension Fire Detection/Alarm System Additional Light Fixture	\$28,284.00		

**Open Contracts Summary  
Ending September 30, 2010**

Contractor	Project	Contract Amount	Approved Change Orders	Current Contract Amount	Contract Commencement Date	Contract Completion Date	Percent Complete (1)	Percent Change from Previous Month (1)
<b>Construction</b>								
DIVANE BROS ELECTRIC CO.	PHOTOVOLTAIC SYSTEM AT THE LEXINGTON PUMPING STATION	\$ 7,996,000.00	\$ 250,000.00	\$ 8,246,000.00	July 21, 2008	July 21, 2010	81%	0%
PATTEN INDUSTRIES, INC.	SUPPLY OF ENGINE GENERATORS	\$ 6,417,608.00	\$ -	\$ 6,417,608.00	September 13, 2007		90%	0%
JOSEPH J HENDERSON AND SON	ELECTRIC GENERATION FACILITY AND VARIABLE FREQUENCY DRIVES AT THE LEXINGTON PUMPING STATION	\$ 17,209,000.00	\$ 411,858.10	\$ 17,620,858.10	July 21, 2008	October 21, 2010	93%	5%
WILLIAMS BROTHERS CONSTRUCTION CO.	ELECTRIC GENERATION FACILITIES, GARAGE AND OFFICE EXPANSION AT THE DUPAGE PUMPING STATION	\$ 16,970,000.00	\$ 609,841.00	\$ 17,579,841.00	November 25, 2008	November 24, 2010	97%	1%
CONCORD CONSTRUCTION SERVICES, INC.	DUPAGE COUNTY METER/PRESSURE ADJUSTING STATIONS 9A/9B	\$ 994,700.00	\$ 64,507.89	\$ 1,059,207.89	September 16, 2009	April 15, 2010	100%	0%
MARTAM CONSTRUCTION, INC.	WINFIELD METER/PRESSURE ADJUSTING STATIONS 17B	\$ 209,760.00	\$ -	\$ 209,760.00	March 25, 2010	September 21, 2010	73%	22%
<b>Services</b>								
GREELEY AND HANSEN LLC	LEXINGTON PUMP STATION PHOTOVOLTAIC ENGINEERING	\$ 1,178,236.00	\$ -	\$ 1,178,236.00	January 12, 2007	October 21, 2010	91%	6%
GREELEY AND HANSEN LLC	LEXINGTON PUMP STATION GENERATOR/VFD ENGINEERING	\$ 2,670,676.00	\$ -	\$ 2,670,676.00	January 12, 2007	October 21, 2010	91%	6%
CAMP DRESSER MCKEE	DUPAGE PUMP STATION GENERATION ENGINEERING	\$ 2,004,688.00	\$ -	\$ 2,004,688.00	November 10, 2003	November 24, 2010	59%	0%
CAMP DRESSER MCKEE	SUPPLY OF ENGINE GENERATORS ENGINEERING	\$ 146,227.00	\$ -	\$ 146,227.00	January 11, 2007	November 24, 2010	90%	0%
AECOM	WINFIELD METER/PRESSURE ADJUSTING STATIONS 17B	\$ 71,700.00	\$ -	\$ 71,700.00	June 9, 2006	September 21, 2010	59%	9%

(1) Completion based on approved contractor invoices