



# DuPage Water Commission

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

## AGENDA

**ENGINEERING & CONSTRUCTION COMMITTEE**  
**THURSDAY, APRIL 21, 2011**  
**6:30 P.M.**

## COMMITTEE MEMBERS

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

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

- I. Roll Call
- II. Approval of Committee Meeting Minutes of March 17, 2011

**RECOMMENDED MOTION: To approve the Minutes of the March 17, 2011 Engineering & Construction Committee Meeting of the DuPage Water Commission.**

- III. Report of Status of Construction/Operations
- IV. Resolution No. R-17-11: A Resolution Approving and Ratifying Certain Task Orders Under a Master Contract with EN Engineering, LLC at the April 21, 2011, DuPage Water Commission Meeting
- V. Resolution No. R-18-11: A Resolution Approving and Authorizing the Execution of a Contract between the DuPage Water Commission and Primera Engineers, Ltd. for Professional Engineering Services
- VI. Resolution R-19-11: A Resolution Awarding a Contract for High Lift Pump Motor Re-Build—Phase II
- VII. Resolution No. R-20-11: A Resolution Approving a First Amendment to Task Order No. 28 Under the Master Contract with AECOM USA, Inc.
- VIII. Resolution No. R-21-11: A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Contract QR-8/08 at the April 21, 2011, DuPage Water Commission Meeting
- IX. Resolution No. R-23-11: A Resolution Approving and Ratifying Certain Contract PSD-7/08 Change Orders at the April 21, 2011, DuPage Water Commission Meeting
- X. Great Western Trail Improvements
- XI. Other
- XII. 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 17, 2011  
600 EAST BUTTERFIELD ROAD  
ELMHURST, ILLINOIS**

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

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

Committee members absent: None

Also in attendance: R. C. Bostick, F. Frelka, E. Kazmierczak, and J. Schori.

Commissioner Furstenau moved to approve the Minutes of the February 10, 2011 Engineering Committee. Motion seconded by Commissioner Scheck and passed unanimously as follows:

Aye: D. Loftus, R. Furstenau, F. Saverino and M. Scheck  
Nay: None

Commissioner Furstenau moved to recommend to the Commission approval of Resolution No. R-13-11: A Resolution Awarding a Contract for Landscape Conversion Services at the March 17, 2011, DuPage Water Commission Meeting. Motion seconded by Commissioner Saverino. The motion passed unanimously as follows:

Aye: D. Loftus, R. Furstenau, F. Saverino and M. Scheck  
Nay: None

Commissioner Furstenau moved to recommend to the Commission approval Request For Board Action regarding the Reduction in Retainage from 10% to 2% of the Contract PSC-4/08 Contract Price at the March 17, 2011, DuPage Water Commission Meeting. Motion seconded by Commissioner Scheck. The motion passed unanimously as follows:

Aye: D. Loftus, R. Furstenau, F. Saverino and M. Scheck  
Nay: None

**Great Western Trail:**

Staff provided an oral report on the history of the request by an engineering firm representing the Village of Lombard, Bollinger, Lach and Associates (BL&A), to place a pedestrian bridge on the Great Western Trail over St Charles Road and the

Engineering Meeting Minutes March 17, 2011

Union pacific Railroad, adjacent to the Commission's Northwest Transmission Main. Pipeline Supervisor Kazmierczak provided copies of engineering reports and maps tendered by the Commission's consultant which state the maximum design loading of the Commission's water main would be exceeded by either one of the BL&A design options presented to date. Pipeline Supervisor Kazmierczak indicated that while it has been determined that the pedestrian bridge design dates back to 2002, the Commission was first made aware of the project in November of 2010. Commission Staff is working diligently with Lombard's consultant to review possible solutions.

Commissioner Saverino moved to recommend to the Commission approval of Resolution No. R-14-11: A Resolution Approving, Ratifying, and Accepting a New Pricing Schedule to the Electricity Sales Agreement with Exelon Energy Company and Resolution No. R-15-11: A Resolution Approving and Authorizing the Execution of a New Master Electricity Sales Agreement and Pricing Schedule with Exelon Energy Company at the March 17, 2011, DuPage Water Commission Meeting. Motion seconded by Commissioner Saverino. The motion passed unanimously as follows:

Aye: D. Loftus, R. Furstenau, F. Saverino and M. Scheck  
Nay: None

Commissioner Furstenau moved to adjourn the meeting at 6:59 P.M. Motion seconded by Commissioner Saverino and passed unanimously as follows:

Aye: D. Loftus, R. Furstenau, F. Saverino and M. Scheck  
Nay: 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: April 8, 2011

SUBJECT: Status of Operations

### Operations Overview

The Commission's sales for the month of March were a total of 2.09 billion gallons. This represents an average day demand of 67.6 million gallons per day (MGD), which is equal to the March 2010 average day demand of 67.6 MGD. The maximum day demand was 70.6 MGD on March 7, 2011, which is lower than the March 2010 maximum day demand of 71.3 MGD. The minimum day flow was 64.5 MGD. The Commission's recorded total precipitation for the month of March was 2.62 inches compared to 1.55 inches for March 2010. The level of Lake Michigan for March 2011 is 576.82 (Feet IGLD 1985) compared to 577.74 (Feet IGLD 1985) for March of 2010.

### Water Conservation

The Commission has distributed 24 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 Water Conservation and Protection Program will be attending the following events in April:

- Earth Celebration Event at DuPage County April 19
- Earth Day for Argonne Employees April 21
- Party for the Planet at Cosley Zoo April 30

The Commission is sponsoring a high school and college video contest on water conservation. Winning film(s) will be featured on dpwc.org and preservingeverydrop.org. Winner(s) will also receive a trophy and be eligible for prizes from participating partners. There were no videos submitted for this contest. Staff is looking into pushing back the submission date.

### **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.

### **Facilities Construction Overview**

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

The Engineer has submitted final draft of record drawings which are currently under review by staff.

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

Final finish applications are ongoing. Support systems commissioning is ongoing. Change Order No. 14 appears on the agenda as R-23-11. This includes a 150 calendar day time extension request. A table of change orders approved, pending or in development has been prepared for review. The project completion date remains December 31, 2010.

During the latter stages of construction and commissioning certain HVAC and Building Automation Control systems several items of concern have arisen relating to the design and/or construction. Staff would like to obtain the services of an independent third party to review the design documents, contractor submittals and other documentation to provide an evaluation of the newly constructed related facilities. This appears on the agenda as R-18-11.

#### **Generator Supply Contract**

Patten Industries is modifying the portable generator from a manual fuel system fill to an automatic fuel system fill. A table of change orders approved, pending or in development has been prepared for review.

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

All work is complete with the exception second season commissioning and training. Money is being held back to facilitate the completion of the work.

### Contract PSC-5 Lexington Photovoltaic Cells

The photovoltaic system continues producing power for on-site consumption at the Lexington Pumping Station. All work is complete with the exception of displaying the PV System output on the DWC website. A table of change orders approved, pending or in development has been prepared for review. The project completion date remains October 21, 2010.

### Laramie Avenue Viaduct

The Chicago Department of Transportation has completed the installation of the deep footings (H-Piles) for the viaduct. These footings are adjacent to the 12-foot diameter tunnel which is the source of water supply to the Lexington Pumping Station as well as a Commonwealth Edison electric feeder to the station. The 1<sup>st</sup> amendment to AECOM Task Order No. 28 appears on the agenda as R-18-11. This amendment covers the expenses to provide technical observation and reporting to the Commission while this work progressed.

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

Electrical and instrumentation work is ongoing. The Contract Completion date remains November 20, 2010.

### DuPage County Service Areas

We are performing preliminary work with DuPage County Public Works regarding the Steeple Run service area.

Engineering Request For Proposals are being developed for hydraulic modeling and joint connection facilities design and construction services.

### Instrumentation / Remote Facilities Overview

#### Annual Customer Meter Calibration Program

The customer meter calibration program began on October 5<sup>th</sup>; as of this writing it is 91.2% complete. The program is expected to be completed by April 15<sup>th</sup>.

### Remote Facilities Maintenance

The annual inspection and calibration at all Meter Stations continues.

Routine monthly inspections and maintenance is ongoing.

### New Meter Station for Winfield

The Remote Terminal Unit (RTU) at MS27B is installed, waiting on the contractor to complete the antenna before communications can be established.

## GIS

### Infor EAM

GIS staff is researching costs and issues related to upgrading the Infor EAM system software from version 8.2 to the current 8.5. Because of the complexity of the Infor system architecture technical support from Infor will be needed to perform the upgrade and provide training on new software features.

### GIS Software

In response to an inquiry by Chairman Zay at the March 17 Board meeting staff looked into the feasibility of sharing GIS software with DuPage County's GIS Department. The idea was to see if we could save money on software maintenance fees since both organizations use ArcGIS software from the Environmental Systems Research Institute (ESRI). After discussing this with the now-retired County GIS Manager Bill Faedtke it was determined that licensing and technical issues make this infeasible.

Some savings at the margins are possible and staff has taken action in this regard. For example, last year we stopped paying \$500 each for maintenance on one Spatial Analyst and one ArcView license after it was determined the software wasn't needed. Another example is the use of Google Earth on laptops with pipeline GIS data by utility locators in the field. By using the free Google Earth program instead of ESRI's ArcPad mobile software we provided the mapping tools needed and avoided the purchase cost and ongoing maintenance fees.

Lastly, after evaluating Manifold GIS software as an alternative to ArcGIS, staff intends to replace one ArcView license with one copy of Manifold and phase in its use. This will save an additional \$400 per year.

## Pipeline Construction Overview

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

Work Authorization Order #20. (Carol Stream repair) Remains open pending completion of topsoil and planting work scheduled for Spring 2011.

Work Authorization Order #24. (Elmhurst leak repair) Remains open pending completion of topsoil and planting work scheduled for Spring of 2011.

Work Authorization Order #25. (Downers Grove manhole repair and pavement failure) This work began on March 29. Manhole repairs have been completed and temporary pavement is in place. Related to this work is R-21-11 which appears on the Commission's April meeting agenda.

### Pipeline Maintenance and Corrosion Mitigation

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

Work continues under EN Engineering Task Order No. 17. (Test Point Survey)

### Contract QR-9 (Quick Response Contract)

*Contract QR-9 replaces Contract QR-8 as of July 1, 2011 or, should it become necessary, upon any Board approved contract extension for Contract QR-8.*

Bidding documents have been completed. The contract will be advertised beginning on April 18, 2011. A pre-bid meeting is scheduled for May 3 and the bid opening is set for May 17, 2011. It is expected that the contract will be awarded at the June 16, 2011 Commission meeting.

### Other

A meeting to discuss design alternates for the conflicts resulting from the Great Western Trail Pedestrian Bridge improvements in Lombard was held on March 30. The latest design is currently under review by AECOM.

## **APRIL 2011 COMMISSION AGENDA ITEMS:**

**R-16-11**---A Resolution Authorizing and Ratifying the Disposal of Certain Personal Property Owned by the DuPage Water Commission at the April 21, 2011, DuPage Water Commission Meeting.



**R-17-11**---A Resolution Approving and Ratifying Certain Task Orders Under a Master Contract with EN Engineering, LLC at the April 21, 2011, DuPage Water Commission Meeting.

**R-18-11**---A Resolution Approving and Authorizing the Execution of a Contract between the DuPage Water Commission and Primera Engineers, Ltd. for Professional Engineering Services at the April 21, 2011, DuPage Water Commission Meeting.

**R-19-11**---A Resolution Awarding a Contract for High Lift Pump Motor Re-Build—Phase II at the April 21, 2011, DuPage Water Commission Meeting.

**R-20-11**---A Resolution Approving a First Amendment to Task Order No. 28 Under the Master Contract with AECOM USA, Inc at the April 21, 2011, DuPage Water Commission Meeting.

**R-21-11**---A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Contract QR-8/08 at the April 21, 2011, DuPage Water Commission Meeting.

**R-22-11**--- A Resolution Releasing Certain Executive Session Meeting Minutes at the April 21, 2011, DuPage Water Commission Meeting.

**R-23-11**---A Resolution Approving and Ratifying Certain Contract PSD-7/08 Change Orders at the April 21, 2011, DuPage Water Commission Meeting.

**Attachments:**

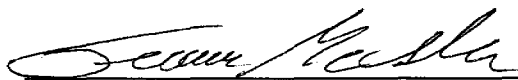
1. DuPage Laboratory Bench Sheets for March , 2011
2. Water Sales Analysis 01-April-06 to 31-March- 2011
3. Chart showing Commission sales versus allocations
4. Chart showing Commission sales versus historical averages

DUPAGE WATER COMMISSION LABORATORY BENCH SHEET  
MONTHLY REPORT FOR MARCH 2011

## 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	0.86	0.07	0.50	0.84	0.09	37	7.7	1.0	0.50	0	JG
2	0.85	0.10	0.50	0.84	0.09	37	7.6	1.1	0.51	0	RC
3	0.90	0.07	0.45	0.86	0.09	38	7.6	1.2	0.50	0	MR
4	0.86	0.08	0.48	0.86	0.08	38	7.6	0.9	0.48	0	MR
5	0.90	0.09	0.50	0.90	0.09	39	7.6	1.0	0.48	0	MR
6	0.84	0.07	0.47	0.84	0.09	38	7.6	1.1	0.48	0	MR
7	0.90	0.09	0.48	0.89	0.09	38	7.6	1.2	0.47	0	JG
8	0.87	0.08	0.48	0.89	0.09	39	7.5	1.0	0.47	0	JG
9	0.88	0.08	0.47	0.84	0.09	39	7.6	1.1	0.48	0	JG
10	0.89	0.08	0.51	0.90	0.08	39	7.6	1.1	0.49	0	JG
11	0.85	0.09	0.50	0.88	0.08	38	7.6	1.1	0.50	0	MR
12	0.89	0.10	0.50	0.87	0.07	40	7.6	1.1	0.50	0	MR
13	0.90	0.09	0.50	0.90	0.08	40	7.8	1.0	0.47	0	MR
14	0.88	0.09	0.49	0.84	0.09	40	7.6	0.9	0.47	0	MR
15	0.86	0.09	0.48	0.88	0.07	39	7.6	1.0	0.46	0	JG
16	0.91	0.09	0.47	0.89	0.07	39	7.7	1.0	0.44	0	RC
17	0.90	0.09	0.47	0.88	0.09	39	7.7	1.1	0.47	0	JG
18	0.87	0.09	0.48	0.85	0.08	40	7.6	1.0	0.48	0	JG
19	0.86	0.09	0.51	0.84	0.09	40	7.6	1.0	0.43	0	MR
20	0.89	0.09	0.50	0.87	0.08	38	7.6	1.0	0.48	0	MR
21	0.82	0.09	0.48	0.87	0.08	40	7.6	1.1	0.48	0	MR
22	0.87	0.09	0.49	0.89	0.08	40	7.5	1.0	0.50	0	MR
23	0.90	0.09	0.47	0.85	0.08	40	7.5	1.0	0.51	0	RC
24	0.85	0.09	0.48	0.86	0.08	40	7.5	1.0	0.47	0	JG
25	0.86	0.09	0.49	0.87	0.09	40	7.5	1.1	0.48	0	JG
26	0.90	0.09	0.48	0.84	0.08	40	7.5	1.1	0.48	0	JG
27	0.86	0.09	0.50	0.88	0.09	40	7.6	1.0	0.49	0	MR
28	0.87	0.09	0.53	0.88	0.08	40	7.6	1.1	0.47	0	MR
29	0.82	0.08	0.53	0.86	0.08	40	7.6	1.1	0.50	0	MR
30	0.89	0.09	0.53	0.90	0.07	41	7.6	1.1	0.43	0	MR
31	0.86	0.09	0.50	0.86	0.08	41	7.6	1.2	0.48	0	GA
AVG	0.87	0.09	0.49	0.87	0.08	39	7.6	1.1	0.48	0	
MAX	0.91	0.10	0.53	0.90	0.09	41	7.8	1.2	0.51	0	
MIN	0.82	0.07	0.45	0.84	0.07	37	7.5	0.9	0.43	0	



Terrance McGhee  
Manager of Water Operations

DU PAGE WATER COMMISSION  
WATER SALES ANALYSIS

01-May-92 TO 31-Mar-11

PER DAY AVERAGE 81,280,120

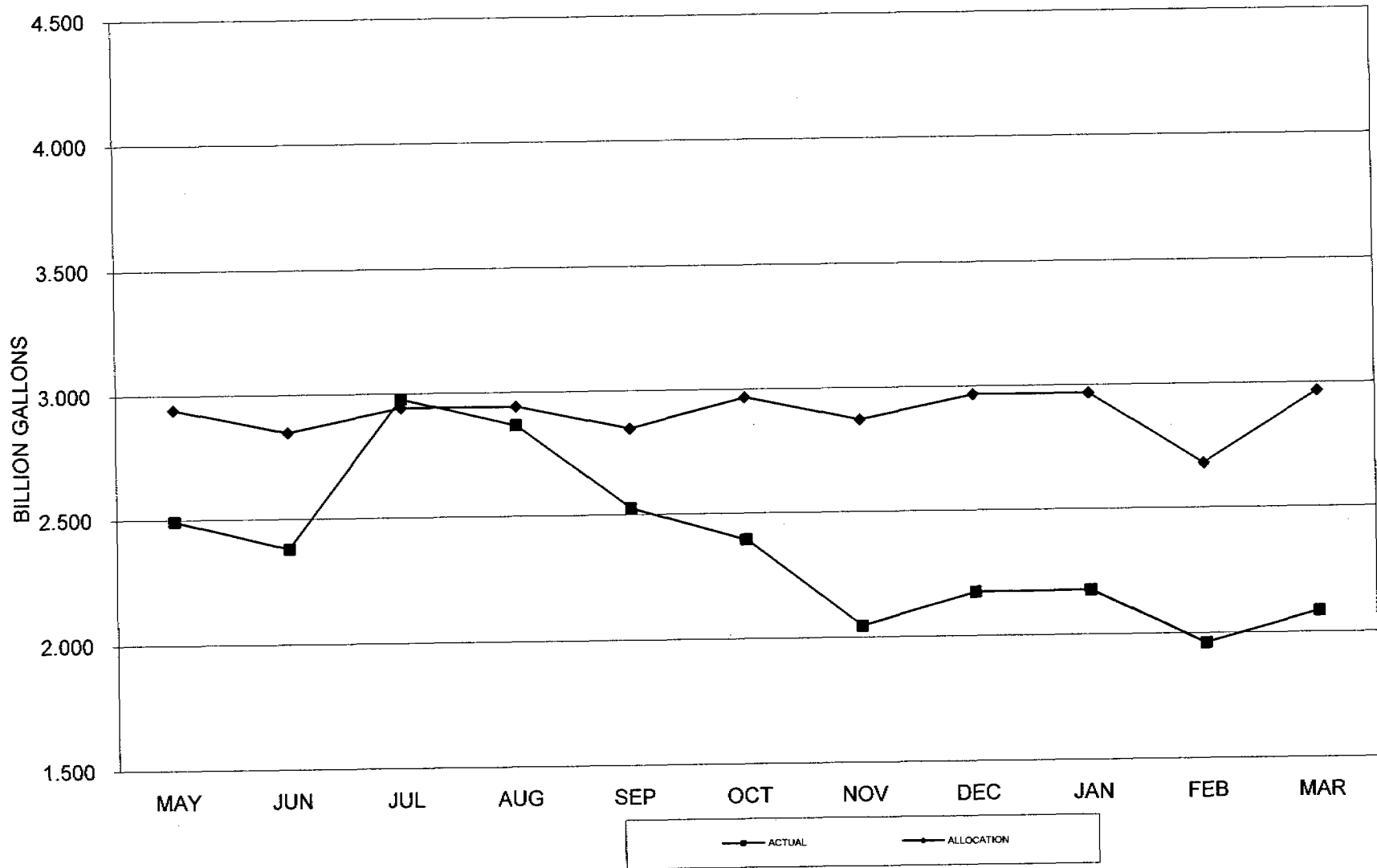
MONTH	SALES TO CUSTOMERS (GALLONS)	PURCHASES FROM CHICAGO (GALLONS)	GALLONS BILLED %	BILLINGS TO CUSTOMERS	BILLINGS FROM CHICAGO	DOCUMENTED COMMISSION WATER USE (2)	DOCUMENTED COMMISSION WATER USE %	TOTAL ACCOUNTED FOR %	DWC OPER. & MAINT. RATE (3)	CHGO RATE
May-07	2,863,644,000	2,951,900,000	97.01%	\$2,978,988.48	\$3,925,001.00	4,012,875	0.14%	97.15%	\$1.04	\$1.330
Jun-07	3,292,831,000	3,398,024,774	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%	\$2,843,999.52	\$4,131,937.32	2,163,839	0.09%	97.73%	\$1.24	\$1.758
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	2,090,046,000	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%	\$3,188,007.84	\$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	2,142,428,434	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
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
<b>TOTALS (1)</b>	<b>561,564,349,400</b>	<b>577,727,559,642</b>	<b>97.20%</b>	<b>\$749,577,928.87</b>	<b>\$711,974,346.53</b>	<b>585,077,093</b>	<b>0.10%</b>	<b>97.30%</b>	<b>\$1.33</b>	<b>\$1.232</b>

(1) - SINCE MAY 1, 1992

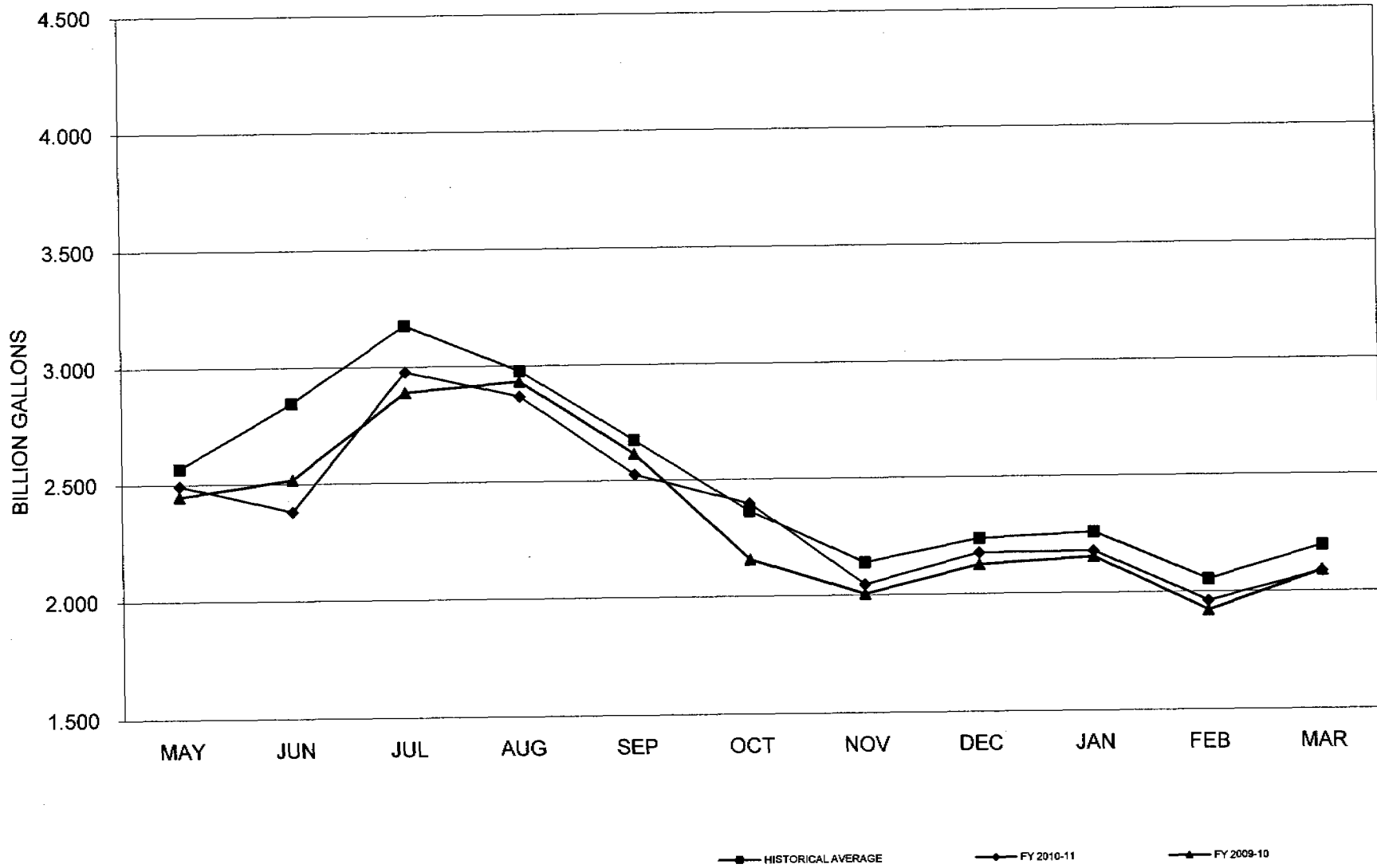
(2) - REPRESENTS DU PAGE PUMP STATION, METER TESTING AND CONSTRUCTION PROJECT USAGE

(3) - DOES NOT INCLUDE FIXED COST PAYMENTS

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



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



<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	
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	10/14/10	Penthouse roofing credit	-\$7,779.56	\$17,613,078.54	
8	12/09/10	Fuel Oil Pump Electric ComEd Building LV Electric Generator Exhaust Stacks	\$88,870.66	17,701,949.20	CUMULATIVE CHANGE ORDER PERCENTAGE THROUGH CO#8 <b>2.86%</b>
<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	
1	8/14/09	Expansion of 24 KW from ILDCEO Grant received	\$250,000.00	\$8,246,000.00	
2	10/14/10	Contract Time extension of 92 Calendar Days	N/A	N/A	
3	2/10/11	Additional Conduit Work	\$4,111.00	\$8,250,111.00	CUMULATIVE CHANGE ORDER PERCENTAGE THROUGH CO#3 <b>3.17%</b>
<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	

**DuPage Water Commission  
Facilities Construction Change Order Log**

**April 6, 2011**

<b>PSD-7 DUPAGE GENERATORS/OFFICE/GARAGE EXPANSION (Continued)</b>			<b>ORIGINAL CONTRACT</b>	<b>\$16,970,000.00</b>	
<b>CHANGE ORDER</b>	<b>DATE APPROVED</b>	<b>CONTENT</b>	<b>COST</b>	<b>REVISED CONTRACT COST</b>	
9	7/13/10	HVAC Modifications, Access Ladder, Concrete Sidewalks & Stairs, Lighting Modifications and Security System Enhancements	\$302,241.00	17,561,348.00	
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	
11	10/14/10	Plumbing Demolition Credit Security Conduit Extension Fire Detection/Alarm System Additional Light Fixture	\$28,284.00	\$17,603,125.00	
12	11/11/10	Conduit and Cabling for Exterior Lighting Control and Contract Time Extension	\$1,185.00	\$17,604,310.00	
13	01/13/11	HVAC Panel Consolidation, Addressable Smoke Detectors in AHU's, SCADA Data Cabling/Connections	\$17,048.00	\$17,621,358.00	CUMULATIVE CHANGE ORDER PERCENTAGE THROUGH CO#13 <b>3.84%</b>
14	Appears on April 21, 2011 Agenda	Return Air Fan Motor Change, Fuel Hoses, HVAC/Fire System Control and Fuel Management System	\$24,974.00	\$17,646,332.00	PROPOSED CHANGE ORDER PERCENTAGE THROUGH CO#14 <b>3.99%</b>
<b>SUPPLY OF ENGINE GENERATORS</b>			<b>ORIGINAL CONTRACT</b>	<b>\$6,417,608.00</b>	
<b>CHANGE ORDER</b>	<b>DATE APPROVED</b>	<b>CONTENT</b>	<b>COST</b>	<b>REVISED CONTRACT COST</b>	<b>CUMULATIVE CHANGE ORDER PERCENTAGE THROUGH CO#2</b>
1	5/9/08	Revised Delivery Dates	\$0.00	N/A	
2	2/10/11	Modifications to Fuel Delivery System	Estimated \$27,712.00	\$6,445,320.00	<b>0.43%</b>

**Open Contracts Summary  
Ending March 31, 2011**

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	\$ 254,111.00	\$ 8,250,111.00	July 21, 2008	October 21, 2010	90%	0%
PATTEN INDUSTRIES, INC.	SUPPLY OF ENGINE GENERATORS	\$ 6,417,608.00	\$ 27,712.00	\$ 6,445,320.00	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	\$ 492,949.20	\$ 17,701,949.20	July 21, 2008	October 21, 2010	100%	0%
WILLIAMS BROTHERS CONSTRUCTION CO.	ELECTRIC GENERATION FACILITIES, GARAGE AND OFFICE EXPANSION AT THE DUPAGE PUMPING STATION	\$ 16,970,000.00	\$ 651,358.00	\$ 17,621,358.00	November 25, 2008	December 31, 2010	99.995%	0%
MARTAM CONSTRUCTION, INC.	WINFIELD METER/PRESSURE ADJUSTING STATIONS 17B	\$ 209,760.00	\$ 810.00	\$ 210,570.00	March 25, 2010	November 20, 2010	99%	0%
<b>Services</b>								
GREELEY AND HANSEN LLC	LEXINGTON PUMP STATION PHOTOVOLTAIC ENGINEERING	\$ 1,178,236.00	\$ -	\$ 1,178,236.00	January 12, 2007		100%	0%
GREELEY AND HANSEN LLC	LEXINGTON PUMP STATION GENERATOR/VFD ENGINEERING	\$ 2,670,676.00	\$ -	\$ 2,670,676.00	January 12, 2007		100%	0%
CAMP DRESSER MCKEE	DUPAGE PUMP STATION GENERATION ENGINEERING	\$ 2,004,688.00	\$ -	\$ 2,004,688.00	November 10, 2003		75%	7%
CAMP DRESSER MCKEE	SUPPLY OF ENGINE GENERATORS ENGINEERING	\$ 146,227.00	\$ -	\$ 146,227.00	January 11, 2007		90%	0%
AECOM	WINFIELD METER/PRESSURE ADJUSTING STATIONS 17B	\$ 71,700.00	\$ -	\$ 71,700.00	June 9, 2006		80%	0%

(1) Completion based on approved/pending contractor invoices

Vol2/ Construction/Facilities Construction Open Contract Summary 01-11