



# DuPage Water Commission

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

## AGENDA

**ENGINEERING & CONSTRUCTION COMMITTEE**  
**THURSDAY, JUNE 21, 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 April 19, 2012 Engineering & Construction Committee Meeting of the DuPage Water Commission.**

- III. Report of Status of Construction/Operations
- IV. O-8-12: An Ordinance Determining the Prevailing Rate of Wages in DuPage County and Cook County
- V. R-21-12: A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Electrical Contract QRE-5/10
- VI. R-22-12: A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Contract QR- 9/11
- VII. R-23-12: A Resolution Terminating a Contract for Landscape Services and Awarding a New Contract for Landscape Maintenance Services
- VIII. R-24-12: A Resolution Approving and Authorizing the Execution of a Settlement Agreement with Martam Construction, Inc.
- IX. R-25-12: A Resolution Approving a Third Amendment to Task Order No. 10 under the Master Contract with AECOM USA, Inc.
- X. Discussion Items
- XI. Old Business
- XII. Other
- XIII. 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, APRIL 19, 2012  
600 EAST BUTTERFIELD ROAD  
ELMHURST, ILLINOIS**

The meeting was called to order at 6:30 P.M.

Committee members in attendance: R. Furstenau, D. Loftus, F. Saverino and M. Scheck

Committee members absent: J. Zay (*ex officio*)

Also in attendance: R.C. Bostick, E. Kazmierczak and M. Weed.

Commissioner Furstenau moved to approve the Minutes of the March 15, 2012 Engineering & Construction Committee Meeting of the DuPage Water Commission. Motion seconded by Commissioner Scheck and passed as follows:

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

Nays: None

Abstain: D. Loftus

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

Regarding Water Conservation, Facilities Construction Supervisor Bostick noted that the conservation report was provided and that several conservation related events have been or will have representation from the Commission.

Regarding PSD-7, DPPS Electrical Generation facilities, Facilities Construction Supervisor Bostick informed the committee that Commission staff has met with the Engineer, CDM, and the Contractor, Williams, to push towards a timely completion of the work that had been agreed to last March. It was noted that weekly meetings are now being held until the work is complete.

Regarding the DuPage County Steeple Run Service Area, Facilities Construction Supervisor Bostick advised that bids were opened for the construction of the joint facility. It was noted that the two bids received came in well over the Engineer's estimate and the budget of DuPage County. Commission staff will be discussing the matter with the DuPage County Superintendent of Public Works next week to chart a course of action, possibly including a re-bid of the project.

In a related matter, Facilities Construction Supervisor Bostick reported that R-15-12 appears on the agenda to award the soils and material testing contract for the Steeple Run project, and other projects as they may arise, to Material Solutions Laboratory.

Regarding R-14-12, Facilities Construction Supervisor Bostick advised that this was routine work required as DuPage County performed road work in which the Commissions structures are located.

Commissioner Furstenau moved to recommend approval of item numbers 2 and 3 under the Engineering Report section of the Commission Agenda, all in a single group pursuant to the Omnibus Vote Procedures. Seconded by Commissioner Scheck and unanimously approved by a Roll Call Vote:

### **Engineering Omnibus Vote**

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

Nays: None

Item 2: Resolution No. R-14-12: A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Contract QR-9/11 at the April 19, 2012, DuPage Water Commission Meeting – W.A.O. #4 to Airy’s Inc. \$13,560.00 (estimated)

Item 3: Resolution No. R-15-12: A Resolution Awarding a Contract for Soils and Materials Testing Services - Material Solutions Laboratory Corporation \$9,639.00 (estimated)

Commissioner Saverino moved to adjourn the meeting at 6:45 P.M. Motion seconded by Commissioner Scheck and passed unanimously as follows:

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

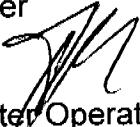
Nays: None



# 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: June 13, 2012

SUBJECT: Status of Operations

### Operations Overview

The Commission's sales for the month of May were a total of 2.576 billion gallons. This represents an average day demand of 83.1 million gallons per day (MGD), which is higher than the May 2011 average day demand of 75.7 MGD. The maximum day demand was 110.9 MGD on May 29, 2012, which is higher than the May 2011 maximum day demand of 84.0 MGD. The minimum day flow was 64.5 MGD. The Commission's recorded total precipitation for the month of May was 4.38 inches compared to 7.27 inches for May 2011. The level of Lake Michigan for May 2012 is 577.60 (Feet IGLD 1985) compared to 577.76 (Feet IGLD 1985) for May of 2011.

### Water Conservation

Staff met with Montgomery Watson Harza (MWH) to discuss future water conservation projects. It was decided that the Commission and MWH would work together to make a series of commercials for water conservation that can be aired on customers' cable access channels and prior to main features at local movie theaters in the DuPage County area reminding residents to conserve water. MWH will be contacting staff when they have some ideas for the commercials.

**Document Management**

Staff is in the process of creating a secured board portal for Commissioners to view or search through Commission meeting materials, minutes, draft policies, by laws, and procedures. Commissioners will be able to log in to the portal and download the current meeting materials as well as executive session materials.

Staff has created workflows that will be utilized through DocMinder, a Document Management add-on, for board preparation procedures as well as other procedural needs. Staff has fully implemented the DocMinder system and will continue to use the system for future board preparation.

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 MS-17 Winfield Second Connection**

There are two related items on the June agenda. The first item is a settlement agreement with the Contractor, Martam Construction Inc., and the second item is the Third Amendment to Task order No. 10 with AECOM, the Engineer. The purpose of these two actions is to 1) close out the contract; 2) via direct deduct from the final payment to Martam, remunerate the Engineer for excess and additional engineering expenses required to finish the project; and 3) cap the financial liabilities of both the Commission and the Village of Winfield. These items appear on the agenda as R-24-12 and R-25-12.

**Contract PSD-7 DPPS Electrical Generation**

Work to modify the supply air plenum in the generator building is complete. The intent of the modifications is to keep snow and rain from accumulating in the plenum and falling into the generator building. The chiller penthouse/roof roof leak and the office building HVAC modification work is being contracted and scheduled by the Engineer, CDM Smith. This work should be underway in the next few weeks.

**Contract PSC-5 Lexington Photovoltaic Cells**

This project is complete and the warranty period has commenced.

**Supply of Engine Generator Units**

This project is complete and the warranty and service contract have commenced.

DuPage County Service Areas

**Steeple Run:** The Contract has been awarded to Airy's Inc. The preconstruction conference has been held. The Contract Completion Date is November 27, 2012.

Approximate Project Expenditures as of 5/14/12: \$45,675.00

Approximate DuPage County Funding Deposit Balance as of 5/1/12: \$634,049.00

**York Township:** No Change: The Joint Facility Agreement was approved at the May Commission meeting. This intergovernmental agreement approved 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 waiting on delivery of certain documentation from DuPage County prior to signing the agreement.

Instrumentation / Remote Facilities Overview

Staff began upgrading the T12 fluorescent light fixtures to T8 lamps and ballasts at meter stations and tank site control vaults. Staff is also looking into a rebate program.

A new radar type liquid level transmitter has been installed in one of the sodium hypochlorite storage tanks for Staff evaluation. It appears to be more stable and costs considerably less than the existing units that were installed in 2000.

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

Work Authorization Order # QRE-5.002, to repair the electrical service entrances at various meter stations, has been completed. Final invoicing appears on the June Accounts Payable list.

Work Authorization Order # QRE-5.005, to repair four different electrical service entrance problems at other meter stations, appears on the June agenda as R-21-12.

Work Authorization Order # QRE-5.006, to repair damage to the electrical service entrance to Remotely Operated Valve 24A in Woodridge also appears on the June agenda in R-21-12. Due to ROV 24A being a critical facility, the work was performed and completed in advance of Board approval. Staff is in contact with the DuPage County Highway Department for potential reimbursement for the repairs.

GISInfor EAM

Staff installed a feature in Infor EAM that allows users to check account budget balances prior to submitting requisitions. Budget balances can now be checked quickly with a double click to open up a new budget check screen. This solution was created by a third party consulting firm that staff found, which saved several thousand dollars over Infor's cost. The consultant completed the task in addition to providing staff with training for making future customizations.

We are still looking into changing from a grid-based to polygon based JULIE notification system and are awaiting information from JULIE.

Staff members attended the Midwest Water and Waste Water Technology Conference sponsored by the Illinois Section of the AWWA, Central States Water Environment Association and Illinois Water Environment Association on June 5<sup>th</sup> at McHenry County College. In addition, four staff members participated on the planning committee for the event.

### **Pipeline Construction Overview**

#### **Contract VSR-1/11**

Installations are in progress and we expect to complete work at all 230 locations by May 1, 2013. To date competition is at approximately 14%.

#### **Contracts TOB-7/11 and TS-8---Corrosion Mitigation Work on the Outer Belt and South Transmission Mains**

The Illinois Department of Transportation and the DuPage County Highway Department are reviewing pre-final plans. Holland and Knight is in the process of reviewing bid documents and technical specifications.

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

Work Authorization Order #4 (The adjustment of 6 manhole frames and lids on Bloomingdale/ Roselle Road) approved at the May Commission meeting is scheduled to begin upon issuance of a permit from DuPage County Highway.

Work Authorization Order #5 (The adjustment of 30 manhole frame at various locations throughout DuPage County) appears on the agenda under R-22-12.

### **Operations Construction and Maintenance Overview**

#### **Underground Storage Tanks**

Regulatory annual inspection and testing of the Commission's underground fuel storage tanks were completed on June 8, 2012.

#### **High Lift Pump #4 Motor Re-Build**

Shortly after High Lift Pump Motor #4 was repaired and reinstalled, one of the six Resistance Temperature Detectors (RTD) located in the stator winding went bad. Dreisilker Electric Motor performed an onsite no cost warranty repair on May 15, 2012 the motor is operational and functioning properly.

Landscape Maintenance Services

Resolution R-23-12 appears on the agenda recommending the termination of the Contract with The T.L.C. Group, Ltd. and awarding a Contract to the next lowest bidder, Ground Pros Inc., for the remainder of the three-year period, initially amounting to \$55,761 over a three-year term.

The Staff recommendation is being brought forth due to The T.L.C. Group's performance having been found unacceptable for the following reasons: submitting false and/or misleading documents; failure to communicate with the Commission regarding essential business matters under the Contract; and failure and refusal to meet service deadlines required by the Contract. The General Manager and Commission staff met with the Director of Operations of the T.L.C. Group on May 29, 2012 to discuss these issues. TLC was unable to provide sufficient explanation of performance deficiencies and propose solutions to remedy those deficiencies. Accordingly, termination of the Contract with The T.L.C. Group is being recommended.

Landscape Conversion

The second of a three year Landscape Conversion project at the DuPage Pumping is in process. Conversion from turf to native and no-mow grass was completed during the 2011 growing season. Service throughout the 2012 season will include routine stewardship visits to control emerging invasive plants, fertilization, and weed control as needed throughout the growing season.

**JUNE 2012 COMMISSION AGENDA ITEMS:**

**R-21-12** A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Electrical Contract QRE-5/10 at the June 21, 2012, DuPage Water Commission Meeting

**R-22-12** A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Contract QR- 9/11 at the June 21, 2012, DuPage Water Commission Meeting

**R-23-12** A Resolution Terminating a Contract for Landscape Services and Awarding a New Contract for Landscape Maintenance Services

**R-24-12** A Resolution Approving and Authorizing the Execution of a Settlement Agreement with Martam Construction, Inc.

**R-25-12** A Resolution Approving a Third Amendment to Task Order No. 10 under the Master Contract with AECOM USA, Inc.

**O-8-12** An Ordinance Determining the Prevailing Rate of Wages in DuPage County and Cook County at the June 21, 2012, DuPage Water Commission Meeting



Attachments:

1. DuPage Laboratory Bench Sheets for May, 2012
2. Water Sales Analysis 01-May-09 to 31-May- 2012

Operations\Memorandums>Status of Oper\2012\06\10.doc

DUPAGE WATER COMMISSION LABORATORY BENCH SHEET  
MONTHLY REPORT FOR MAY 2012

## 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	0.86	0.09	0.47	0.86	0.10	53	7.8	1.1	0.46	0	KD
2	0.90	0.10	0.48	0.87	0.10	53	7.8	1.1	0.47	0	KD
3	0.85	0.09	0.50	0.82	0.09	53	7.8	1.1	0.51	0	KD
4	0.87	0.11	0.51	0.84	0.10	53	7.8	1.1	0.49	0	AM
5	0.87	0.10	0.48	0.81	0.09	53	7.8	1.0	0.45	0	AM
6	0.87	0.10	0.46	0.86	0.08	55	7.7	1.1	0.44	0	KD
7	0.88	0.10	0.47	0.87	0.07	54	7.7	1.0	0.46	0	CT
8	0.89	0.09	0.48	0.88	0.10	54	7.8	1.1	0.49	0	AM
9	0.84	0.11	0.48	0.83	0.10	54	7.8	1.1	0.47	0	AM
10	0.86	0.10	0.47	0.85	0.10	54	7.7	1.1	0.48	0	AM
11	0.85	0.09	0.48	0.83	0.09	54	7.7	1.1	0.46	0	KD
12	0.86	0.09	0.48	0.81	0.10	54	7.7	1.1	0.45	0	KD
13	0.87	0.10	0.49	0.85	0.10	54	7.8	1.1	0.47	0	AM
14	0.89	0.09	0.47	0.81	0.11	54	7.8	1.1	0.44	0	AM
15	0.86	0.08	0.48	0.84	0.10	55	7.6	1.0	0.49	0	KD
16	0.87	0.09	0.49	0.87	0.11	55	7.8	1.1	0.50	0	KD
17	0.87	0.11	0.49	0.82	0.10	57	7.8	1.1	0.50	0	KD
18	0.84	0.09	0.48	0.86	0.09	58	7.8	1.0	0.44	0	CT
19	0.90	0.11	0.48	0.84	0.10	58	7.8	1.1	0.49	0	CT
20	0.87	0.10	0.47	0.86	0.10	58	7.8	1.0	0.49	0	FG
21	0.89	0.09	0.51	0.89	0.09	57	7.8	1.1	0.50	0	FG
22	0.87	0.10	0.51	0.85	0.09	58	7.8	1.0	0.48	0	CT
23	0.87	0.10	0.50	0.83	0.08	59	7.8	1.1	0.47	0	CT
24	0.88	0.11	0.52	0.87	0.07	59	7.8	1.1	0.48	0	CT
25	0.87	0.10	0.51	0.86	0.09	59	7.8	1.1	0.47	0	FG
26	0.92	0.09	0.52	0.89	0.08	60	7.7	1.1	0.50	0	FG
27	0.91	0.11	0.50	0.86	0.10	60	7.8	1.1	0.50	0	CT
28	0.89	0.08	0.51	0.89	0.10	60	7.8	1.0	0.47	0	CT
29	0.87	0.11	0.50	0.85	0.11	60	7.8	1.1	0.45	0	CT
30	0.91	0.08	0.47	0.86	0.10	60	7.8	1.1	0.49	0	CT
31	0.93	0.08	0.51	0.86	0.09	61	7.8	1.1	0.51	0	CT
AVG	0.88	0.10	0.49	0.85	0.09	56	7.8	1.1	0.48	0	
MAX	0.93	0.11	0.52	0.89	0.11	61	7.8	1.1	0.51	0	
MIN	0.84	0.08	0.46	0.81	0.07	53	7.6	1.0	0.44	0	



Terrance McGhee  
Manager of Water Operations

DU PAGE WATER COMMISSION  
WATER SALES ANALYSIS

01-May-92 TO 31-May-12  
PER DAY AVERAGE 80,926,448

MONTH	SALES TO CUSTOMERS (GALLONS)	PURCHASES FROM CHICAGO (GALLONS)	GALLONS BILLED %	BILLINGS TO CUSTOMERS	BILLINGS FROM CHICAGO	DOCUMENTED COMMISSION WATER USE (2)	DOCUMENTED COMMISSION WATER USE %	TOTAL ACCOUNTED FOR %	DWC OPER. & MAINT. RATE (3)	CHGO RATE
May-10	2,493,442,000	2,546,177,057	97.93%	\$4,587,933.28	\$5,105,085.00	1,951,633	0.08%	98.01%	\$1.84	\$2.005
Jun-10	2,379,251,000	2,435,768,080	97.68%	\$4,377,821.84	\$4,883,715.00	1,052,920	0.04%	97.72%	\$1.84	\$2.005
Jul-10	2,977,683,000	3,048,231,920	97.69%	\$5,478,936.72	\$6,111,705.00	1,342,710	0.04%	97.73%	\$1.84	\$2.005
Aug-10	2,867,253,000	2,924,004,988	98.06%	\$5,275,745.52	\$5,862,630.00	930,281	0.03%	98.09%	\$1.84	\$2.005
Sep-10	2,525,751,000	2,588,259,352	97.58%	\$4,647,381.84	\$5,189,460.00	1,085,300	0.00%	97.58%	\$1.84	\$2.005
Oct-10	2,394,743,000	2,449,952,618	97.75%	\$4,406,327.12	\$4,912,155.00	1,143,788	0.05%	97.79%	\$1.84	\$2.005
Nov-10	2,044,476,000	2,079,920,200	98.30%	\$3,761,835.84	\$4,170,240.00	955,414	0.05%	98.34%	\$1.84	\$2.005
Dec-10	2,173,930,000	2,196,014,963	98.99%	\$4,000,031.20	\$4,403,010.00	943,234	0.04%	99.04%	\$1.84	\$2.005
Jan-11	2,176,905,000	2,203,802,993	98.78%	\$4,005,505.20	\$4,418,625.00	6,094,505	0.28%	99.06%	\$1.84	\$2.005
Feb-11	1,960,872,000	1,992,314,214	98.42%	\$3,608,004.48	\$3,994,590.00	3,351,469	0.17%	98.59%	\$1.84	\$2.005
Mar-11	2,084,629,000	2,119,930,175	98.33%	\$3,835,717.36	\$4,250,460.00	875,189	0.00%	98.33%	\$1.84	\$2.005
Apr-11	2,032,022,000	2,050,900,249	99.08%	\$3,738,920.48	\$4,112,055.00	674,574	0.03%	99.11%	\$1.84	\$2.005
May-11	2,342,971,000	2,384,648,379	98.25%	\$4,779,660.84	\$4,781,220.00	603,990	0.03%	98.28%	\$2.04	\$2.005
Jun-11	2,467,779,000	2,526,763,092	97.67%	\$5,034,118.96	\$5,066,160.00	700,540	0.03%	97.69%	\$2.04	\$2.005
Jul-11	3,211,413,000	3,276,142,145	98.02%	\$6,551,276.72	\$6,568,665.00	1,090,800	0.03%	98.06%	\$2.04	\$2.005
Aug-11	2,733,016,000	2,779,503,741	98.33%	\$5,575,352.64	\$5,572,905.00	792,559	0.03%	98.36%	\$2.04	\$2.005
Sep-11	2,486,823,000	2,533,174,564	98.17%	\$5,073,028.92	\$5,079,015.00	1,078,701	0.04%	98.21%	\$2.04	\$2.005
Oct-11	2,206,656,398	2,249,745,636	98.08%	\$4,501,579.05	\$4,510,740.00	681,023	0.03%	98.11%	\$2.04	\$2.005
Nov-11	1,986,038,000	2,012,618,454	98.68%	\$4,051,517.52	\$4,035,300.00	850,000	0.04%	98.72%	\$2.04	\$2.005
Dec-11	2,046,708,000	2,072,416,459	98.76%	\$4,175,284.32	\$4,155,195.00	974,459	0.05%	98.81%	\$2.04	\$2.005
Jan-12	2,073,584,000	2,111,472,876	98.21%	\$5,660,884.32	\$5,293,462.50	978,662	0.05%	98.25%	\$2.73	\$2.507
Feb-12	1,926,054,000	1,974,613,582	97.54%	\$5,258,127.42	\$4,950,356.25	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%	97.76%	\$2.73	\$2.507
TOTALS (1)	593,676,418,798	610,445,385,504	97.25%	\$821,992,963.71	\$783,011,207.53	598,090,881	0.10%	97.35%	\$1.38	\$1.283

- (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										
May-11	2,342,971,000	2,384,648,379	98.25%	\$ 4,779,661	\$ 4,781,220				\$2.04	\$2.005
May-12	2,571,924,000	2,631,095,433	97.75%	\$ 7,021,353	\$ 6,596,156				\$2.73	\$2.507
	228,953,000	246,447,054		\$2,241,691.68	\$ 1,814,936.25					
	9.77%	10.3%		46.9%	38.0%					
Month										
May-11	2,342,971,000	2,384,648,379	98.25%	\$ 4,779,661	\$ 4,781,220				\$2.04	\$2.005
May-12	2,571,924,000	2,631,095,433	97.75%	\$ 7,021,353	\$ 6,596,156				\$2.73	\$2.507
	228,953,000	246,447,054		\$ 2,241,691.68	\$ 1,814,936.25					
	9.8%	10.3%		46.9%	38.0%					
may > apr	551,792,000	563,980,854								