



# DuPage Water Commission

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**NOTICE IS HEREBY GIVEN THAT THE RESCHEDULED APRIL 2006 ENGINEERING COMMITTEE MEETING OF THE DUPAGE WATER COMMISSION WILL BE HELD AT 7:00 P.M. ON THURSDAY, APRIL 13, 2006, AT ITS OFFICES LISTED BELOW. THE AGENDA FOR THE RESCHEDULED APRIL 2006 REGULAR COMMITTEE MEETING IS AS FOLLOWS:**

**AGENDA**  
**ENGINEERING COMMITTEE**  
**THURSDAY, APRIL 13, 2006**  
**7:00P.M.**

**COMMITTEE MEMBERS**

G. Wilcox, Chair  
R. Benson  
W. Mueller  
R. Ferraro

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

- I. Roll Call
- II. Approval of Minutes
  - A. Committee Meeting of March 20, 2006

**RECOMMENDED MOTION: To approve the Minutes of the March 20, 2006 Committee Meeting of the DuPage Water Commission (Voice Vote).**

- B. Executive Session Meeting of March 20, 2006

**RECOMMENDED MOTION: To approve the Minutes of the March 20, 2006 Executive Session of the Committee Meeting of the DuPage Water Commission (Voice Vote).**

- III. Report of Status of Construction/Operations
- IV. Resolution No. R-14-06: A Resolution Approving and Ratifying Certain Task Orders under a Master Contract with Patrick Engineering, Inc. at the April 13, 2006, DuPage Water Commission Meeting

**RECOMMENDED MOTION: To recommend to the Commission approval of Resolution No. R-14-06: A Resolution Approving and Ratifying Certain Task Orders under a Master Contract with Patrick Engineering, Inc. at the April 13, 2006, DuPage Water Commission Meeting during the Super/Special Majority Omnibus Vote Agenda.**

- V. Resolution No. R-15-06: A Resolution Approving and Ratifying Certain Task Orders under a Master Contract with Consoer Townsend Envirodyne Engineers, Inc. at the April 13, 2006, DuPage Water Commission Meeting

**RECOMMENDED MOTION: To recommend to the Commission approval of Resolution No. R-15-06: A Resolution Approving and Ratifying Certain Task Orders under a Master Contract with Consoer Townsend Envirodyne Engineers, Inc. at the April 13, 2006, DuPage Water Commission Meeting during the Super/Special Majority Omnibus Vote Agenda.**

- VI. Adjournment

**MINUTES OF A MEETING OF THE  
ENGINEERING & CONSTRUCTION COMMITTEE  
OF THE DUPAGE WATER COMMISSION  
HELD ON MONDAY, MARCH 20, 2006  
600 EAST BUTTERFIELD ROAD  
ELMHURST, ILLINOIS**

The meeting was called to order at 12:05 P.M.

Committee members in attendance: R. Benson, W. Mueller, G. Wilcox, and M. Vondra *Ex Officio*.

Committee members absent: R. Ferraro

Also in attendance: R. Martin, T. McGhee, E. Kazmierczak, R.C. Bostick, J. Schori, K. Godden, R. Rossi (Rossi Contractors), and B. Hofer (Rossi Contractors)

Commissioner Mueller moved to approve the Minutes of the August 11, 2005 Engineering Committee. Motion seconded by Commissioner Benson and passed unanimously as follows:

Aye: R. Benson, W. Mueller and G. Wilcox  
Nay: None  
Absent: R. Ferraro

The Committee reviewed the memorandum regarding the Status of Operations dated March 10, 2006.

Commissioner Mueller moved to recommend to the Commission approval of Resolution No. R-09-06: A Resolution Approving and Ratifying Certain Task Orders under a Master Contract with Cathodic Protection Management, Inc. at the March 20, 2006, DuPage Water Commission Meeting during the Super/Special Omnibus Vote Agenda. Motion seconded by Commissioner Benson. Commissioner Benson asked as to the scope of work that would be completed under this Task Order. Staff informed him that the work was comprised of site evaluation. The motion passed unanimously as follows:

Aye: R. Benson, W. Mueller and G. Wilcox  
Nay: None  
Absent: R. Ferraro

Commissioner Mueller moved to recommend to the Commission approval of Resolution No. R-10-06: A Resolution Directing Advertisement for bids on a

Contract for the Construction of Hydrodynamic Mixing System for Tank Site No. 4 East (Contract SS-5/06) during the Majority Omnibus Vote Agenda. Motion seconded by Commissioner Benson. Commissioner Benson asked what the engineer's estimate was for the job. After staff provided him with an estimate, the motion passed unanimously as follows:

Aye: R. Benson, W. Mueller and G. Wilcox  
Nay: None  
Absent: R. Ferraro

Commissioner Mueller moved to recommend to the Commission approval of Resolution No. R-11-06: A Resolution Approving a First Amendment to Task Order No. 2 under the Master Contract with Cathodic Protection Management, Inc. during the Super/Special Majority Omnibus Vote Agenda. Motion seconded by Commissioner Benson. The motion passed unanimously as follows:

Aye: R. Benson, W. Mueller and G. Wilcox  
Nay: None  
Absent: R. Ferraro

Commissioner Mueller moved to recommend to the Commission approval of the following QRE2-002A progress payments in the total amount of \$9,103.22 as part of the Accounts Payable, subject to submission of all contractually required documentation:

- Quick Response Contracts

- QRE2-002A: Repair & Secure Electrical Service Entrances in the amount of \$9,103.22

Motion seconded by Commissioner Benson and passed unanimously as follows:

Aye: R. Benson, W. Mueller and G. Wilcox  
Nay: None  
Absent: R. Ferraro

Commissioner Wilcox inquired as to the status of the Value Engineering Request for Proposal. Staff informed him that the proposal would be sent out at the end of March and advertised on the Commission's website. Staff also informed the Committee that the proposals should be presented to the Board at the May Commission Meeting. Commissioner Wilcox asked about the status of Material and Equipment Storage Building that is part of the Capital Improvement Plan. Commissioner Mueller asked about the status of the Garage/Office Building. Staff informed the Commissioners that both projects would be evaluated during the Value Engineering Study. Commissioner Wilcox requested that staff provide them with a site plan showing the location and size of these facilities.

Minutes 060320 Engineering Meeting

The Committee briefly discussed the request by Rossi Contractors Inc. for additional cost associated with Contract TIB-1 listed on the agenda. Commissioner Mueller was not interested in listening to a presentation by Rossi Contractors and stated that all contract disputes should be handled by staff and not during a Commission meeting. Commissioner Wilcox stated that he would prefer to hear the dispute in the Engineering Committee rather than in the Board Meeting. Chairman Vondra agreed with Commissioner Wilcox. Commissioner Benson agreed with Commissioner Mueller that all contract disputes should be handled by staff. Commissioner Mueller agreed to listen to the presentation, but stated that no action would be taken by the Commission. Robert Rossi, of Rossi Contractors Inc. passed out an information packet that explained their grievance and Brian Hofer gave a short presentation which explained their request for additional funds. There were no questions or discussion concerning the request.

Commissioner Mueller moved to go in to Executive Session to discuss pending, probable or imminent litigation pursuant to 5 ILCS 120(c)(11) at 12:26 P.M.  
Motion seconded by Commissioner Benson and unanimously as follows:

Aye: R. Benson, W. Mueller and G. Wilcox  
Nay: None  
Absent: R. Ferraro

Commissioner Mueller moved to come out of Executive Session at 12:52 P.M.  
Motion seconded by Commissioner Benson and unanimously approved by voice vote.

All voted aye. Motion carried.

Commissioner Benson moved to adjourn the meeting at 12:53 P.M. Motion seconded by Commissioner Mueller and unanimously approved by voice vote.

All voted aye. Motion carried.

BOARD/MINUTES/ENG0603.doc



# DuPage Water Commission

## MEMORANDUM

TO: Robert Martin General Manager

FROM: Terry McGhee Operations Supervisor  
Ed Kazmierczak Pipeline Supervisor  
Chris Bostick Facilities Construction Supervisor  
John Schori Instrumentation Supervisor  
Frank Frelka GIS Coordinator

DATE: April 7, 2006

SUBJECT: Status of Operations

### Operations Overview

The Commission's sales for the month of March were a total of 2.19 billion gallons. This represents an average day demand of 70.9 million gallons per day (MGD), which is lower than the March 2005 average day demand of 73.1 MGD. The maximum day demand was 78.1 MGD on March 18, 2006, which is higher than the March 2005 maximum day demand of 76.3 MGD. The minimum day flow was 66.4 MGD. The Commission recorded a total precipitation for the month of March of 1.93 inches compared to 0.88 inches for March 2005. The level of Lake Michigan for March 2006 is 577.2 (Feet IGLD 1985) compared to 577.8 (Feet IGLD 1985) for March of 2005.

### Operations Construction Overview

#### Contract PSD-6 Reservoir Addition

Division A – Equipment and Material Storage: On hold until determination of size and type of structure (if any) to be added for Pipe Storage.

Division B – Cadwell Avenue Re-alignment: Consoer Townsend Envirodyne is finalizing the documents before sending them to Elmhurst, York Township and all utilities for final review and comment.

#### Contract PSD-7 DPPS Electrical Generation

The RFP for a Value Engineering review of the 30% design of the DuPage electrical generation project is currently out for bid. The RFP has been advertised in the Chicago Tribune, SAVE International website, and the Commissions website. RFPs are due on April 14<sup>th</sup>.

### Lexington Pump Station Electrical Generation Feasibility Study

Greeley & Hansen has commenced the feasibility study for electrical generation at the Lexington Pump Station. The study report is due in June 2006.

### Pipe Loop Pilot Plant

The initial results of the study are expected in the first quarter of 2006.

### Tank # 4 Mixing System

Consoer Townsend Envirodyne is finalizing the documents required to put the project out for bid.

### Initial Distribution System Evaluation (IDSE)

Task Order No. 8 for Consoer Townsend Envirodyne Engineers, Inc. to perform an IDSE study appears on the agenda as Resolution No. R-15-06.

### Back-up Telemetry

Staff has received approved submittals and installation has begun.

## **GIS**

Heading the list of priority projects is the geodatabase physical design. The geodatabase will be the repository of all information pertaining to Commission facilities and supporting documentation. Other projects to be initiated with Patrick Engineering assistance include a metadata collection and development project. This will be followed by development of a geographic information policy to govern the use and release of Commission information.

GPS data collection work continues to fill in the gaps in coverage and to add elevation data to the system map. This work will continue throughout the summer.

## **Pipeline Construction Overview**

### CONTRACT TIB-1/03 INNER BELT TRANSMISSION MAIN

Final design of the cathodic protection system installation has been received and work is expected to begin within the next several weeks.

Lost Time Accidents To Date 04/07/06      0 Days

CONTRACT CP-3 CORROSION IDENTIFICATION AND ASSESSEMENT

All field work under this contract has been completed.

Lost Time Accidents to Date: 04/07/06 0 Days

CONTRACT BOV-2/04 90" BLOW OFF VALVE IMPROVEMENTS

Work is in progress. To date, the contractor has repaired 8 existing valves. Permanent restoration at these sites will begin as soon as weather conditions permit.

Lost Time Accidents to Date: 04/07/06 0 Days

The following are attachments to this memorandum:

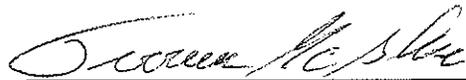
1. DuPage Laboratory Bench Sheets for March, 2006
2. Water Sales Analysis 01-May-03 to 31-March-06
3. Chart showing Commission sales versus allocations
4. Chart showing Commission sales versus historical averages

DUPAGE WATER COMMISSION LABORATORY BENCH SHEET  
MONTHLY REPORT FOR MARCH 2006

## 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 mg/l	PO <sub>4</sub> mg/l	P.A.C. LBS/MG	ANALYST INT
1	0.78	0.11	0.45	0.77	0.08	42	7.6	1.1	0.44	0	KD
2	0.78	0.11	0.45	0.77	0.08	42	7.6	1.0	0.44	0	KD
3	0.77	0.11	0.44	0.77	0.08	42	7.5	1.0	0.44	0	KD
4	0.76	0.10	0.45	0.77	0.08	41	7.5	1.0	0.42	0	KD
5	0.78	0.10	0.45	0.76	0.08	44	7.5	1.0	0.42	0	TG
6	0.79	0.10	0.40	0.76	0.07	42	7.5	1.0	0.42	0	TG
7	0.78	0.10	0.45	0.76	0.08	42	7.6	1.0	0.42	0	TG
8	0.78	0.10	0.45	0.75	0.09	41	7.6	1.0	0.46	0	TG
9	0.79	0.10	0.45	0.75	0.09	41	7.6	1.0	0.44	0	MW
10	0.76	0.11	0.45	0.75	0.09	41	7.5	1.0	0.46	0	KD
11	0.76	0.12	0.44	0.77	0.07	42	7.6	1.0	0.45	0	KD
12	0.77	0.12	0.44	0.77	0.10	42	7.6	1.0	0.44	0	KD
13	0.77	0.10	0.46	0.77	0.07	43	7.5	1.1	0.45	0	TG
14	0.78	0.10	0.43	0.75	0.08	43	7.5	1.1	0.42	0	TG
15	0.79	0.10	0.45	0.75	0.08	43	7.6	1.0	0.43	0	TG
16	0.77	0.10	0.45	0.75	0.08	43	7.6	1.0	0.43	0	TG
17	0.77	0.11	0.43	0.76	0.08	43	7.6	1.0	0.44	0	KD
18	0.75	0.11	0.42	0.76	0.08	43	7.6	1.0	0.47	0	KD
19	0.77	0.11	0.43	0.76	0.08	44	7.5	1.0	0.46	0	KD
20	0.77	0.11	0.44	0.76	0.08	45	7.5	1.0	0.46	0	KD
21	0.76	0.10	0.44	0.76	0.07	45	7.6	1.0	0.45	0	TG
22	0.78	0.10	0.44	0.76	0.07	45	7.6	1.0	0.45	0	TG
23	0.78	0.10	0.44	0.76	0.09	45	7.6	0.9	0.45	0	TG
24	0.78	0.10	0.45	0.75	0.10	45	7.6	0.9	0.44	0	TG
25	0.77	0.08	0.45	0.75	0.10	44	7.6	1.0	0.44	0	KD
26	0.77	0.08	0.46	0.77	0.10	44	7.6	1.0	0.44	0	KD
27	0.77	0.09	0.47	0.77	0.10	44	7.5	1.0	0.45	0	KD
28	0.78	0.09	0.47	0.78	0.10	45	7.5	0.9	0.42	0	TG
29	0.79	0.10	0.43	0.78	0.08	45	7.5	1.1	0.42	0	TG
30	0.79	0.10	0.43	0.77	0.08	45	7.5	0.9	0.46	0	TG
31	0.76	0.10	0.43	0.76	0.08	45	7.6	1.0	0.46	0	TG
AVG	0.77	0.10	0.44	0.76	0.08	43	7.6	1.0	0.44	0	
MAX	0.79	0.12	0.47	0.78	0.10	45	7.6	1.1	0.47	0	
MIN	0.75	0.08	0.40	0.75	0.07	41	7.5	0.9	0.42	0	

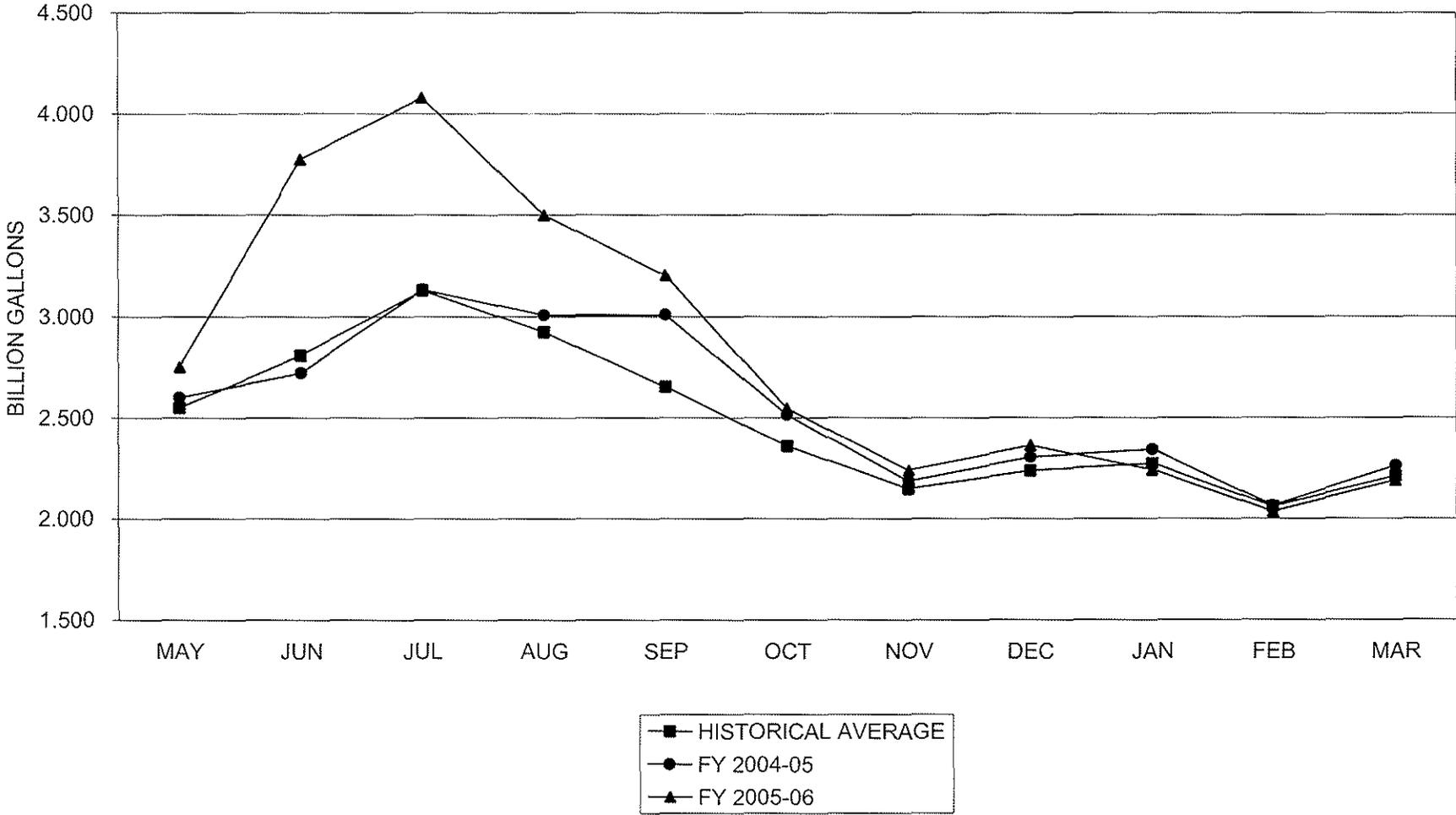


Terrance McGhee  
Operations Supervisor



Robert L. Martin  
General Manager

**DU PAGE WATER COMMISSION SALES  
FY 2005-06 & FY 2004-05 VS. HISTORICAL AVERAGE**



**DU PAGE WATER COMMISSION SALES  
FY 2005-06 VS. ALLOCATION**

