



# DuPage Water Commission

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

## AGENDA

**ENGINEERING & CONSTRUCTION COMMITTEE**  
**THURSDAY, MARCH 8, 2007**  
**7:00P.M.**

## COMMITTEE MEMBERS

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

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

I. Roll Call

II. Approval of Committee Meeting Minutes of February 8, 2007

**RECOMMENDED MOTION: To approve the Minutes of the February 8, 2007 Committee Meeting of the DuPage Water Commission (Voice Vote).**

III. Report of Status of Construction/Operations

IV. Partial Pay Request

- Quick Response Contracts

- QRE2-005A: Replace & Relocate Conduit & Electrical Boxes -  
ROV2A Church Road **\$5,127.07**

**RECOMMENDED MOTION: The Engineering Committee recommends to the Commission approval of progress payments in the total amount of \$5,127.07 as part of the accounts payable, subject to submission of all contractually required documentation.**

V. Resolution No. R-18-07: A Resolution Approving and Ratifying Certain Task Orders under a Master Contract with Consoer Townsend Envirodyne Engineers, Inc. at the March 8, 2007, DuPage Water Commission Meeting

**RECOMMENDED MOTION: To recommend to the Commission approval of Resolution No. R-18-07: A Resolution Approving and Ratifying Certain Task Orders under a Master Contract with Consoer Townsend Envirodyne Engineers, Inc. at the March 8, 2007, DuPage Water Commission Meeting**

VI. Resolution No. R-19-07: A Resolution Awarding a Contract for the Construction of Hydrodynamic Mixing System for Tank Site No. 4 East (Contract SS-5/07)

**RECOMMENDED MOTION: To recommend to the Commission approval of Resolution No. R-19-07: A Resolution Awarding a Contract for the**

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.

**Construction of Hydrodynamic Mixing System for Tank Site No. 4 East  
(Contract SS-5/07).**

- VII. Resolution No. R-20-07: A Resolution Approving A First Amendment to Task Order No. 16 under the Master Contract with Consoer Townsend Envirodyne Engineers, Inc.

**RECOMMENDED MOTION: To recommend to the Commission approval of Resolution No. R-20-07: A Resolution Approving A First Amendment to Task Order No. 16 under the Master Contract with Consoer Townsend Envirodyne Engineers, Inc.**

- VIII. Resolution No. R-21-07: A Resolution Approving and Authorizing the Execution of a First Amendment to the Contract for the Pipe Loop Testing Program at the DuPage Pump Station

**RECOMMENDED MOTION: To recommend to the Commission approval of Resolution No. R-21-07: A Resolution Approving and Authorizing the Execution of a First Amendment to the Contract for the Pipe Loop Testing Program at the DuPage Pump Station.**

- IX. Resolution No. R-22-07: A Resolution Approving and Authorizing the Execution of an Intergovernmental Agreement Between the DuPage Water Commission and the Village of Roselle Regarding the Construction and Installation of Certain Driveway Improvements at Tank Site No. 1

**RECOMMENDED MOTION: To recommend to the Commission approval of Resolution No. R-22-07: A Resolution Approving and Authorizing the Execution of an Intergovernmental Agreement Between the DuPage Water Commission and the Village of Roselle Regarding the Construction and Installation of Certain Driveway Improvements at Tank Site No. 1.**

- X. Adjournment

**MINUTES OF A MEETING OF THE  
ENGINEERING & CONSTRUCTION COMMITTEE  
OF THE DUPAGE WATER COMMISSION  
HELD ON THURSDAY, FEBRUARY 8, 2007  
600 EAST BUTTERFIELD ROAD  
ELMHURST, ILLINOIS**

The meeting was called to order at 9:34 A.M.

Committee members in attendance: G. Wilcox, W. Maio, and W. Mueller

Committee members absent: R. Ferraro

Also in attendance: T. McGhee, E. Kazmierczak, R.C. Bostick, and J. Schori.

Commissioner Mueller moved to approve the Minutes of the January 11, 2007 Engineering Committee. Motion seconded by Commissioner Maio and passed unanimously as follows:

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

The Committee reviewed the memorandum regarding the Status of Operations dated February 1, 2007.

Commissioner Maio moved to recommends to the Commission approval of progress payments in the total amount of \$37,146.79 as part of the accounts payable, subject to submission of all contractually required documentation.

- QR7-003A: Adjust Concrete Handhole – Ramp from Northbound Mannheim Rd to Eastbound I-290 **\$15,376.17**
- QR7-005A: Repair Leak in Header System Outside MS-11A - Brandon Ct., Glendale Heights **\$20,001.56**
- QR7-006A: Valve & Fitting Installation - Maywood Court House, Maywood **\$1,769.06**

Motion seconded by Commissioner Mueller and passed unanimously as follows:

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

Commissioner Maio moved to recommend to the Commission approval of Resolution No. R-10-07: A Resolution Approving a First Amendment to Task Order No. 7 under the Master Contract with Consoer Townsend Envirodyne Engineers, Inc. Motion seconded by Commissioner Mueller and passed unanimously as follows:

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

Commissioner Mueller moved to recommend to the Commission approval of Resolution No. R-11-07: A Resolution Approving a Second Amendment to Task Order No. 2 Under a Master Contract with Cathodic Protection Management, Inc. Motion seconded by Commissioner Maio and passed unanimously as follows:

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

Commissioner Maio moved to recommend to the Commission approval of Resolution No. R-12-07: A Resolution Awarding Quick Response Electrical Contract (QRE-3/07) at the February 8, 2007, DuPage Water Commission Meeting. Motion seconded by Commissioner Mueller and passed unanimously as follows:

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

Commissioner Maio moved to adjourn the meeting at 9:38 A.M. Motion seconded by Commissioner Muller and unanimously approved by a Voice Vote.

All voted aye. Motion carried.



# DuPage Water Commission

## MEMORANDUM

TO: Robert Martin General Manager

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

DATE: March 2, 2007

SUBJECT: Status of Operations

### **Operations Overview**

The Commission's sales for the month of February were a total of 2.127 billion gallons. This represents an average day demand of 76.0 million gallons per day (MGD), which is higher than the February 2006 average day demand of 72.9 MGD. The maximum day demand was 81.1 MGD on February 19, 2007, which is higher than the February 2006 maximum day demand of 76.6 MGD. The minimum day flow was 72.4 MGD. The Commission recorded a total precipitation for the month of February of 1.64 inches compared to 1.17 inches for February 2006. The level of Lake Michigan for February 2007 is 577.1 (Feet IGLD 1985) compared to 577.5 (Feet IGLD 1985) for February of 2006.

### **Operations Construction Overview**

#### **Contract PSD-6 Reservoir Addition**

Division B – Cadwell Avenue Re-Alignment: Advertisements for bids will be sent out this spring.

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

The generator facility design is underway, with 100% design expected in January 2008. The generator procurement for both the DuPage and Lexington Pumping Stations are being handled by CDM in conjunction with the Chicago Department of Water Management and Greely and Hansen.

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

The Facility design is underway, with 100% design expected in January 2008. Leadership in Energy and Environment Design (LEED) Certification is underway. The generator procurement for both the DuPage and Lexington Pumping Stations is being handled by CDM in conjunction with the Chicago Department of Water Management and Greely and Hansen.

Contract SS-5/07 Hydrodynamic Mixing System at Tank Site No. 4 East

A bid opening was held on February 21, 2007 for Hydrodynamic Mixing system for Tank site No. 4 East at the DuPage Pump station. The following bids were received:

Contractor	Bid Amount
Horizon Brothers Painting Corp.	\$145,000.00
Phoenix Fabricators & Erectors Inc.	\$178,000.00
Tecorp Inc.	\$215,000.00
<b>Engineers Estimate</b>	<b>\$214,500.00</b>

The award of bid appears as R-19-07 on the meeting agenda.

**GIS**System Map book Update

Version 2.0 of the system map book is complete and has been distributed to staff. Copies of the map book will be available for review by Commissioners at the March meeting.

GIS Web Site

Patrick Engineering is making progress on an intersection search tool for the GIS web site. This project is intended for use by staff to facilitate after-hours JULIE response and basic map navigation.

Datastream 7i GIS Integration

The GIS/Datastream 7i integration project is on hold pending completion of the ongoing 7i implementation.

**Pipeline Construction Overview****CONTRACT TIB-1/03 INNER BELT TRANSMISSION MAIN**

Contractor is in the process of completing the installation of the corrosion protection and monitoring system.

**CONTRACT VSR-1/06 VALVE STEM REPLACEMENT**

Contract is in the preliminary design phase.

**CONTRACT QR-7**

No work under this contract is currently in progress.

The following are attachments to this memorandum:

1. DuPage Laboratory Bench Sheets for February, 2007
2. Water Sales Analysis 01-May-03 to 31-February-07
3. Chart showing Commission sales versus allocations
4. Chart showing Commission sales versus historical averages

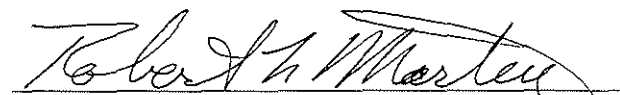
DUPAGE WATER COMMISSION LABORATORY BENCH SHEET  
 MONTHLY REPORT FOR FEBRUARY 2007

## 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	0.81	0.08	0.46	0.79	0.06	44	7.7	1.2	0.46	0	KD
2	0.84	0.09	0.41	0.79	0.08	42	7.9	1.2	0.45	0	KD
3	0.86	0.08	0.56	0.82	0.07	44	7.7	1.2	0.51	0	KD
4	0.81	0.09	0.44	0.80	0.06	44	7.8	1.2	0.43	0	GA
5	0.82	0.08	0.37	0.79	0.06	44	7.7	1.2	0.40	0	GA
6	0.84	0.09	0.41	0.81	0.07	44	7.8	1.2	0.35	0	GA
7	0.82	0.10	0.40	0.83	0.08	42	7.6	1.2	0.39	0	GA
8	0.86	0.09	0.53	0.84	0.07	42	7.7	1.1	0.47	0	KD
9	0.87	0.08	0.53	0.87	0.09	42	7.8	1.1	0.45	0	KD
10	0.84	0.09	0.45	0.81	0.08	42	7.7	1.1	0.43	0	KD
11	0.81	0.09	0.43	0.78	0.09	42	7.9	1.1	0.42	0	KD
12	0.83	0.09	0.39	0.80	0.08	43	7.8	1.1	0.38	0	GA
13	0.81	0.09	0.41	0.80	0.07	43	7.8	1.1	0.41	0	GA
14	0.82	0.08	0.38	0.79	0.07	42	7.8	1.1	0.43	0	GA
15	0.87	0.09	0.39	0.86	0.08	42	7.9	1.1	0.44	0	GA
16	0.85	0.08	0.56	0.81	0.07	42	7.8	1.1	0.53	0	KD
17	0.82	0.09	0.49	0.79	0.09	42	7.9	1.2	0.44	0	KD
18	0.84	0.09	0.59	0.80	0.08	42	7.9	1.1	0.56	0	KD
19	0.83	0.09	0.56	0.80	0.09	42	7.8	1.2	0.50	0	KD
20	0.83	0.11	0.46	0.81	0.08	45	7.8	1.2	0.40	0	GA
21	0.82	0.09	0.39	0.80	0.06	42	7.9	1.1	0.41	0	GA
22	0.81	0.10	0.43	0.79	0.07	46	7.9	1.0	0.45	0	GA
23	0.82	0.11	0.50	0.78	0.07	44	7.8	1.0	0.47	0	GA
24	0.81	0.09	0.46	0.79	0.08	36	7.9	1.0	0.46	0	KD
25	0.87	0.10	0.42	0.83	0.09	36	7.8	1.0	0.48	0	KD
26	0.88	0.09	0.38	0.84	0.07	36	7.9	1.1	0.53	0	KD
27	0.83	0.08	0.46	0.81	0.09	36	7.7	1.1	0.48	0	KD
28	0.82	0.11	0.53	0.81	0.09	36	7.7	1.1	0.50	0	GA
AVG	0.83	0.09	0.46	0.81	0.08	42	7.8	1.1	0.45	0	
MAX	0.88	0.11	0.59	0.87	0.09	46	7.9	1.2	0.56	0	
MIN	0.81	0.08	0.37	0.78	0.06	36	7.6	1.0	0.35	0	

  
 Terrance McGhee  
 Operations Supervisor

  
 Robert L. Martin  
 General Manager



DU PAGE WATER COMMISSION  
WATER SALES ANALYSIS

01-May-92 TO 28-Feb-07

PER DAY AVERAGE 81,764,722

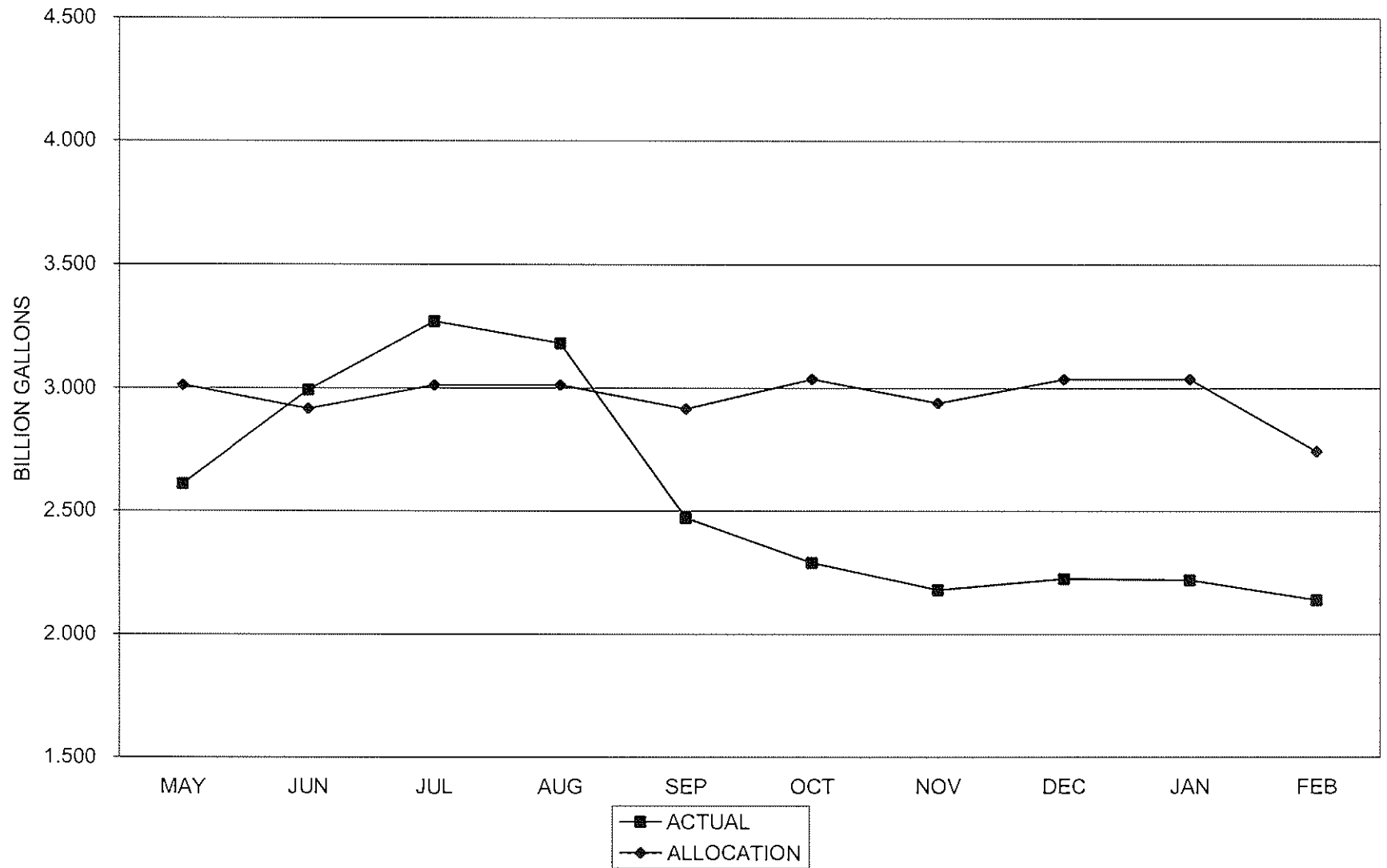
MONTH	SALES TO CUSTOMERS (GALLONS)	PURCHASES FROM CHICAGO (GALLONS)	GALLONS BILLED %	BILLINGS TO CUSTOMERS	BILLINGS FROM CHICAGO	DOCUMENTED COMMISSION WATER USE (2)	DOCUMENTED COMMISSION WATER USE %	TOTAL ACCOUNTED FOR %
May-05	2,751,156,000	2,826,791,957	97.32%	\$3,383,921.88	\$3,669,175.96	7,991,723	0.28%	97.61%
Jun-05	3,775,195,000	3,884,927,612	97.18%	\$4,645,553.10	\$5,042,636.04	6,563,800	0.17%	97.34%
Jul-05	4,078,909,000	4,145,332,157	98.40%	\$5,017,058.07	\$5,380,641.14	6,773,400	0.16%	98.56%
Aug-05	3,498,090,000	3,609,900,000	96.90%	\$4,302,650.70	\$4,685,677.02	8,573,152	0.24%	97.14%
Sep-05	3,202,484,000	3,289,206,394	97.36%	\$3,939,055.32	\$4,269,389.90	6,689,590	0.20%	97.57%
Oct-05	2,545,686,000	2,647,388,860	96.16%	\$3,131,193.78	\$3,436,310.74	6,998,672	0.26%	96.42%
Nov-05	2,238,636,000	2,261,375,216	98.99%	\$2,753,522.28	\$2,935,265.03	5,496,962	0.24%	99.24%
Dec-05	2,362,455,000	2,422,577,673	97.52%	\$2,905,819.65	\$3,144,505.82	5,810,930	0.24%	97.76%
Jan-06	2,241,162,000	2,303,320,263	97.30%	\$2,756,629.26	\$3,063,415.95	4,323,441	0.19%	97.49%
Feb-06	2,033,220,000	2,083,799,323	97.57%	\$2,500,915.68	\$2,771,453.10	3,709,927	0.18%	97.75%
Mar-06	2,189,124,000	2,245,513,008	97.49%	\$2,693,251.86	\$2,986,532.30	5,523,343	0.25%	97.73%
Apr-06	2,288,760,000	2,342,619,023	97.70%	\$2,815,174.80	\$3,115,683.30	3,928,470	0.17%	97.87%
May-06	2,610,813,000	2,692,357,782	96.97%	\$3,237,408.12	\$3,580,835.85	5,227,307	0.19%	97.17%
Jun-06	2,992,447,000	3,070,487,707	97.46%	\$3,710,960.98	\$4,083,748.65	4,407,260	0.14%	97.60%
Jul-06	3,271,454,000	3,360,915,489	97.34%	\$4,056,802.96	\$4,470,017.60	4,330,000	0.13%	97.47%
Aug-06	3,182,143,000	3,278,914,023	97.05%	\$3,945,857.32	\$4,360,955.65	4,157,170	0.13%	97.18%
Sep-06	2,472,175,000	2,539,240,000	97.36%	\$3,065,988.70	\$3,377,189.20	4,242,692	0.17%	97.53%
Oct-06	2,290,903,000	2,358,823,308	97.12%	\$2,840,719.72	\$3,137,235.00	4,540,716	0.19%	97.31%
Nov-06	2,180,207,000	2,227,311,241	97.89%	\$2,703,456.68	\$2,962,323.95	28,850,568	1.30%	99.18%
Dec-06	2,226,395,000	2,288,619,699	97.28%	\$2,760,729.80	\$3,043,864.20	3,979,814	0.17%	97.46%
Jan-07	2,220,804,000	2,280,218,308	97.39%	\$2,753,796.96	\$3,032,690.35	3,980,439	0.17%	97.57%
Feb-07	2,140,510,000	2,201,007,331	97.25%	\$2,654,454.82	\$2,927,339.75	3,710,444	0.17%	97.42%
TOTALS (1)	442,919,498,000	455,963,412,907	97.14%	\$589,088,012.55	\$507,901,571.10	431,241,227	0.09%	97.23%

(1) - SINCE MAY 1, 1992

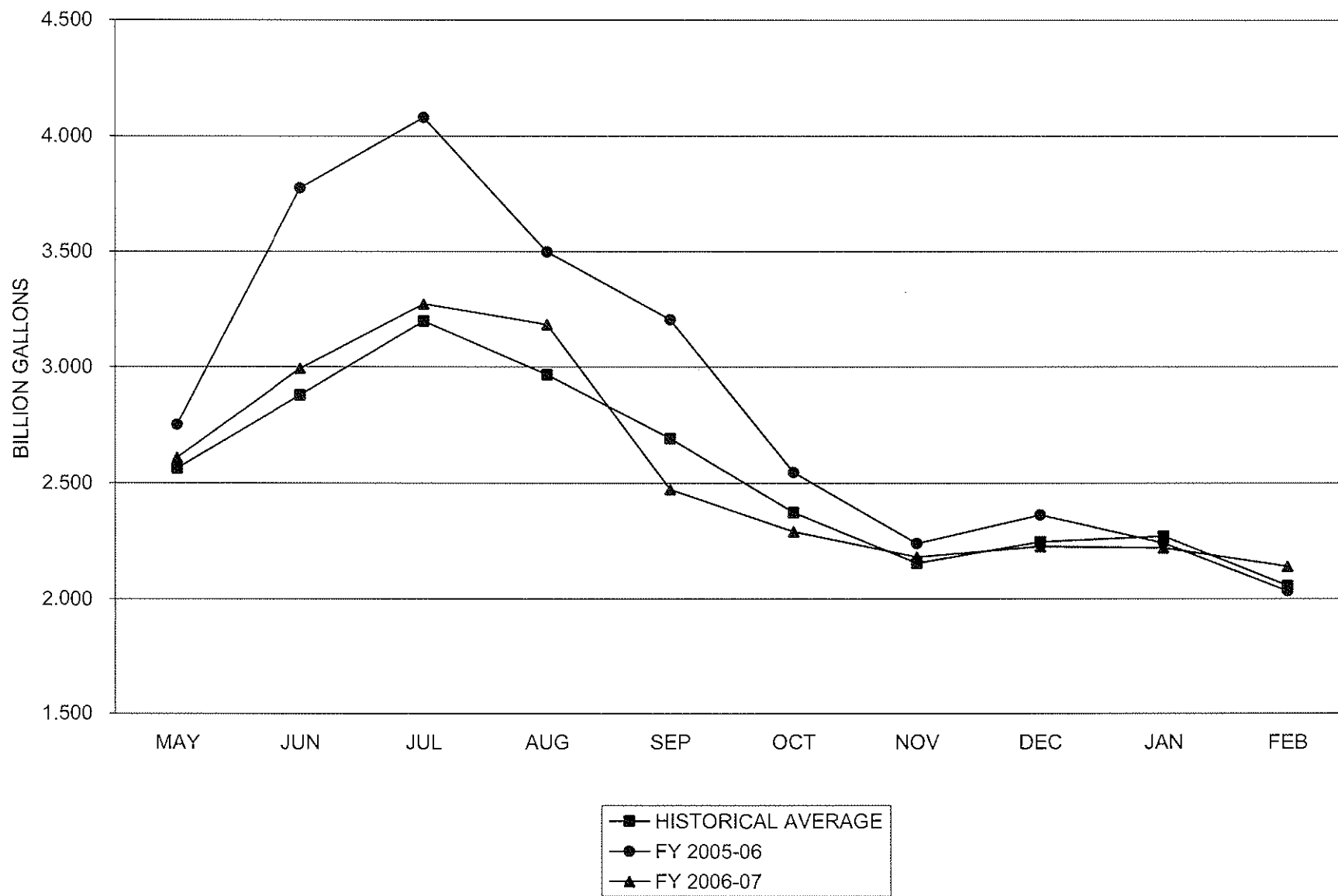
(2) - REPRESENTS DU PAGE PUMP STATION, METER TESTING AND CONSTRUCTION PROJECT USAGE

Operations\Spreadsheets\H2OSALES.xls

DU PAGE WATER COMMISSION SALES  
FY 2006-07 VS. ALLOCATION



**DU PAGE WATER COMMISSION SALES**  
**FY 2006-07 & FY 2005-06 VS. HISTORICAL AVERAGE**



DU PAGE WATER COMMISSION

REPLACE & RELOCATE CONDUIT & ELECTRICAL BOXES - ROV 2A CHURCH ROAD (QRE2-005A)

ACCT. # 60-6633

DIVANE BROS. ELECTRIC CO.

2424 NORTH 25TH AVENUE, P.O. BOX 937

FRANKLIN PARK, IL 60131-0937

	MON 11/20/06	TUE 11/21/06	HOURS UNITS	RATE	EXTENTION	FEE	AMOUNT
LABOR							
ELEC. FOREMAN - (SCHEULLER)	8.00	8.00	16.00	59.76	956.16		
ELEC. FOREMAN - O.T. (SCHEULLER)		1.00	1.00	87.19	87.19		
ELEC. FOREMAN - (MALONEY)		8.00	8.00	59.76	478.08		
ELEC. FOREMAN - O.T. (MALONEY)		1.00	1.00	87.19	87.19		
JOURNEYMAN - (MATHEWS)		8.00	8.00	57.06	456.48		
JOURNEYMAN - O.T. (MATHEWS)		1.00	1.00	83.14	83.14		
GENERAL FOREMAN - SUPERVISOR - (HANCOCK)		8.00	8.00	62.46	499.68		
FOREMAN - SAFETY COORDINATOR - (BERG)		8.00	8.00	59.76	478.08		
					<u>3,126.00</u>	40.00%	4,376.40
SUPPLIES							
DAILY WORK REPORT # 35713		258.41			<u>258.41</u>		
					258.41	15.00%	297.17
EQUIPMENT							
VAN # 307	8.00	9.00	17.00	9.40	159.80		
VAN # 280		9.00	9.00	9.40	84.60		
PICKUP # 284		9.00	9.00	9.40	84.60		
SAFETY EQUIPMENT		1.00	1.00	75.00	75.00		
ARROW BOARD		9.00	9.00	3.10	27.90		
					<u>431.90</u>	5.00%	453.50
							<u>5,127.07</u>

CONFIRMED

BY: fw/s DATE: 3/2/07  
 ACCT # 60-6633 AMT: 5,127.07  
 ACCT #          AMT:           
 APPROVED P