



DuPage Water Commission

600 E. Butterfield Road, Elmhurst, IL 60126-4642

(630)834-0100 Fax: (630)834-0120

CELEBRATING 15 YEARS OF WATER SERVICE

AGENDA

ENGINEERING & CONSTRUCTION COMMITTEE

THURSDAY, MAY 10, 2007

7:00P.M.

600 EAST BUTTERFIELD ROAD

ELMHURST, IL 60126

COMMITTEE MEMBERS

G. Wilcox, Chair

W. Maio

W. Mueller

R. Ferraro

I. Roll Call

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

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

III. Report of Status of Construction/Operations

IV. Resolution No. R-31-07: A Resolution Approving and Ratifying Certain Task Orders under a Master Contract with EN Engineering, LLC at the May 10, 2007, DuPage Water Commission Meeting

RECOMMENDED MOTION: To recommend to the Commission approval of Resolution No. R-31-07: A Resolution Approving and Ratifying Certain Task Orders under a Master Contract with EN Engineering, LLC at the May 10, 2007, DuPage Water Commission Meeting.

V. Resolution No. R-32-07: A Resolution Approving and Ratifying Certain Contract Change Orders at the May 10 2007, DuPage Water Commission Meeting

RECOMMENDED MOTION: To recommend to the Commission approval of Resolution No. R-32-07: A Resolution Approving and Ratifying Certain Contract Change Orders at the May 10, 2007, DuPage Water Commission Meeting.

VI. Resolution No. R-33-07: A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Contract QR-7/05 at the May 10, 2007, DuPage Water Commission Meeting

RECOMMENDED MOTION: To recommend to the Commission approval of Resolution No. R-33-07: A Resolution Approving and Ratifying Certain Contract Change Orders at the May 10, 2007, DuPage Water Commission Meeting.

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.

- VII. Resolution No. R-34-07: A Resolution Approving and Ratifying Certain Work Authorization Orders under Quick Response Electrical Contract QRE-3/07 at the May 10, 2007, DuPage Water Commission Meeting

RECOMMENDED MOTION: To recommend to the Commission approval of Resolution No. R-34-07: A Resolution Approving and Ratifying Certain Work Authorization Orders under Quick Response Electrical Contract QRE-3/07 at the May 10, 2007, DuPage Water Commission Meeting.

- VIII. Resolution No. R-35-07: A Resolution Approving and Authorizing the Execution of a Standard Form of Agreement between the DuPage Water Commission and Tank Industry Consultants, Inc. for Professional Project Representation Services

RECOMMENDED MOTION: To recommend to the Commission approval of Resolution No. R-35-07: A Resolution Approving and Authorizing the Execution of a Standard Form of Agreement between the DuPage Water Commission and Tank Industry Consultants, Inc. for Professional Project Representation Services.

- IX. Adjournment

DRAFT

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

The meeting was called to order at 7:11 P.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 February 8, 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 March 2, 2007.

Commissioner Maio moved to recommend 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.

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

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-18-07: A Resolution Approving and Ratifying Certain Task Orders under a Master Contract with Consoer Townsend Envirodyne Engineers, 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-19-07: A Resolution Approving a Contract for the Construction of a Hydrodynamic Mixing System for Tank Site No. 4 East (Contract SS-5/07). 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-20-07: A Resolution Approving a First Amendment to Task Order No. 16 Under the Master Contract with Consoer Townsend Envirodyne Engineers, 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-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. 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-22-07: A Resolution Approving and Authorizing the Execution of a 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. 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 asked why the screen and projector were set up in the meeting room. Staff informed him that there would be a short presentation outlining the background, current status, and the future plans of the Pipe Loop Pilot Plant.

Commissioner Mueller moved to adjourn the meeting at 7:19 P.M. Motion seconded by Commissioner Maio and unanimously approved by a Voice Vote.


All voted aye. Motion carried.



DuPage Water Commission

MEMORANDUM

TO: Robert Martin 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

DATE: May 4, 2007

SUBJECT: Status of Operations

Operations Overview

The Commission's sales for the month of April were a total of 2.186 billion gallons. This represents an average day demand of 72.9 million gallons per day (MGD), which is lower than the April 2006 average day demand of 76.4 MGD. The maximum day demand was 79.2 MGD on April 30, 2007, which is lower than the April 2006 maximum day demand of 85.1 MGD. The minimum day flow was 68.7 MGD. The Commission recorded a total precipitation for the month of April of 3.24 inches compared to 3.26 inches for April 2006. The level of Lake Michigan for April 2007 is 577.5 (Feet IGLD 1985) compared to 577.5 (Feet IGLD 1985) for April of 2006.

Operations Construction Overview

Contract PSD-6 Reservoir Addition

Division B – Cadwell Avenue Re-Alignment: This project went out for bids on May 4, 2007. A pre-bid walk through is scheduled for May 17, 2007 and bids are due on May 30, 2007.

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 4 East

The contract was awarded to Horizon Bros. Painting Corporation. The Contractor is submitting insurance, financial and other required documentation before commencing the work. The completion date is September 29, 2007.

Access Driveway at Tank Site #1 Roselle

The Intergovernmental Agreement with Roselle for the driveway has been executed and the work will be completed this summer.

GIS

GIS Web Site

Patrick Engineering installed the intersection search tool as part of the GIS web site. This tool permits faster navigation around the GIS map to determine staff response to after hours JULIE locate requests.

GPS Data Collection

GPS data collection continues at a slow pace. The original 40 areas have been narrowed down to 20 where additional location information is required. Utility conflicts make this a time consuming process.

Document Management

Engineering drawings were re-scanned into PDF format for viewing on the GIS web site. The new scans are scanned to print at actual size to permit scaling from printed drawings.

Datastream 7i GIS Integration

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

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

Project is complete.

R-32-07 appears on the agenda as a request for a Contract Time Extension.

CONTRACT VSR-1/06 VALVE STEM REPLACEMENT

Contract is in the preliminary design phase. Two full size prototypes of the proposed installations have been installed in separate manholes.

CONTRACT QR-7

Work in connection with the adjustment a ROV manhole located at Butterfield Road and Marshall Street in the city of Oakbrook Terrace, and authorized under R-23-07, is currently in progress.

R-33-07 appears on the agenda and is for the work necessary to repair a 30" steel water main damaged by a utility contractor on Thursday April 19, 2007 at Bloomingdale Road and Army Trail Road in the city of Glendale Heights.

CONTRACT TW-4 AC CURRENT MITIGATION

This project, approved under R-38-05, authorized design and bidding services for a contract to mitigate the influence of stray AC current on certain sections of pipeline installed under Contract TW-2. The contract is currently out for bids and the bid opening is schedule for Wednesday May 9, 2007.

The following are attachments to this memorandum:

1. DuPage Laboratory Bench Sheets for April, 2007
2. Water Sales Analysis 01-May-03 to 31-April-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 APRIL 2007

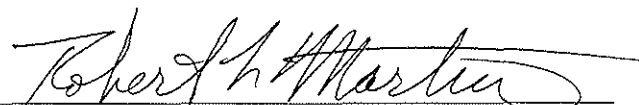
LEXINGTON SUPPLY

DUPAGE DISCHARGE

DAY	FREE CL ₂ mg/l	TURBIDITY NTU	PO ₄ mg/l	FREE CL ₂ mg/l	TURBIDITY NTU	TEMP °F	pH	Fluoride mg/l	PO ₄ mg/l	P.A.C. LBS/MG	ANALYST INT
1	0.76	0.09	0.48	0.77	0.08	45	7.7	0.9	0.47	0	MR
2	0.75	0.09	0.48	0.70	0.08	45	7.7	0.9	0.47	0	MR
3	0.78	0.09	0.49	0.78	0.08	46	7.7	0.9	0.47	0	MR
4	0.78	0.09	0.48	0.79	0.08	46	7.7	1.1	0.47	0	MR
5	0.75	0.09	0.50	0.77	0.08	46	7.7	1.1	0.47	0	JV
6	0.76	0.08	0.47	0.76	0.08	46	7.6	1.0	0.48	0	JV
7	0.75	0.08	0.47	0.78	0.08	46	7.6	1.0	0.48	0	JV
8	0.78	0.09	0.50	0.75	0.08	45	7.6	1.0	0.48	0	JV
9	0.76	0.10	0.49	0.76	0.07	44	7.6	0.9	0.49	0	MR
10	0.77	0.10	0.49	0.78	0.07	44	7.7	1.0	0.47	0	MR
11	0.78	0.10	0.47	0.77	0.08	43	7.7	1.0	0.47	0	MR
12	0.78	0.08	0.49	0.77	0.09	43	7.7	1.0	0.47	0	MR
13	0.79	0.09	0.50	0.77	0.09	43	7.7	1.0	0.48	0	JV
14	0.76	0.09	0.50	0.75	0.07	43	7.7	1.0	0.49	0	JV
15	0.76	0.07	0.50	0.79	0.07	43	7.7	1.0	0.49	0	JV
16	0.75	0.09	0.47	0.78	0.07	43	7.6	0.9	0.49	0	JV
17	0.78	0.09	0.49	0.75	0.09	43	7.6	0.9	0.49	0	MR
18	0.77	0.09	0.48	0.79	0.09	43	7.6	0.9	0.48	0	MR
19	0.77	0.10	0.48	0.73	0.09	44	7.6	0.9	0.47	0	MR
20	0.77	0.08	0.50	0.78	0.09	44	7.6	0.9	0.48	0	MR
21	0.78	0.09	0.51	0.79	0.07	45	7.6	1.0	0.45	0	JV
22	0.79	0.08	0.49	0.79	0.08	45	7.6	1.0	0.45	0	JV
23	0.76	0.10	0.47	0.76	0.09	46	7.7	1.0	0.45	0	JV
24	0.77	0.08	0.49	0.76	0.08	47	7.7	1.0	0.46	0	JV
25	0.75	0.10	0.49	0.77	0.09	48	7.7	1.0	0.49	0	MR
26	0.76	0.09	0.49	0.78	0.07	48	7.7	1.0	0.49	0	MR
27	0.78	0.09	0.48	0.77	0.07	49	7.7	1.0	0.49	0	AM
28	0.76	0.08	0.52	0.77	0.07	49	7.6	1.0	0.47	0	MR
29	0.79	0.09	0.48	0.77	0.07	48	7.6	1.0	0.48	0	KD
30	0.74	0.08	0.47	0.75	0.07	48	7.6	1.0	0.46	0	KD
31											
AVG	0.77	0.09	0.49	0.77	0.08	45	7.7	1.0	0.48	0	
MAX	0.79	0.10	0.52	0.79	0.09	49	7.7	1.1	0.49	0	
MIN	0.74	0.07	0.47	0.70	0.07	43	7.6	0.9	0.45	0	



 Terrance McGhee
 Manager of Water Operations



 Robert L. Martin
 General Manager

DU PAGE WATER COMMISSION
WATER SALES ANALYSIS

01-May-92 TO 30-Apr-07

PER DAY AVERAGE 81,655,960

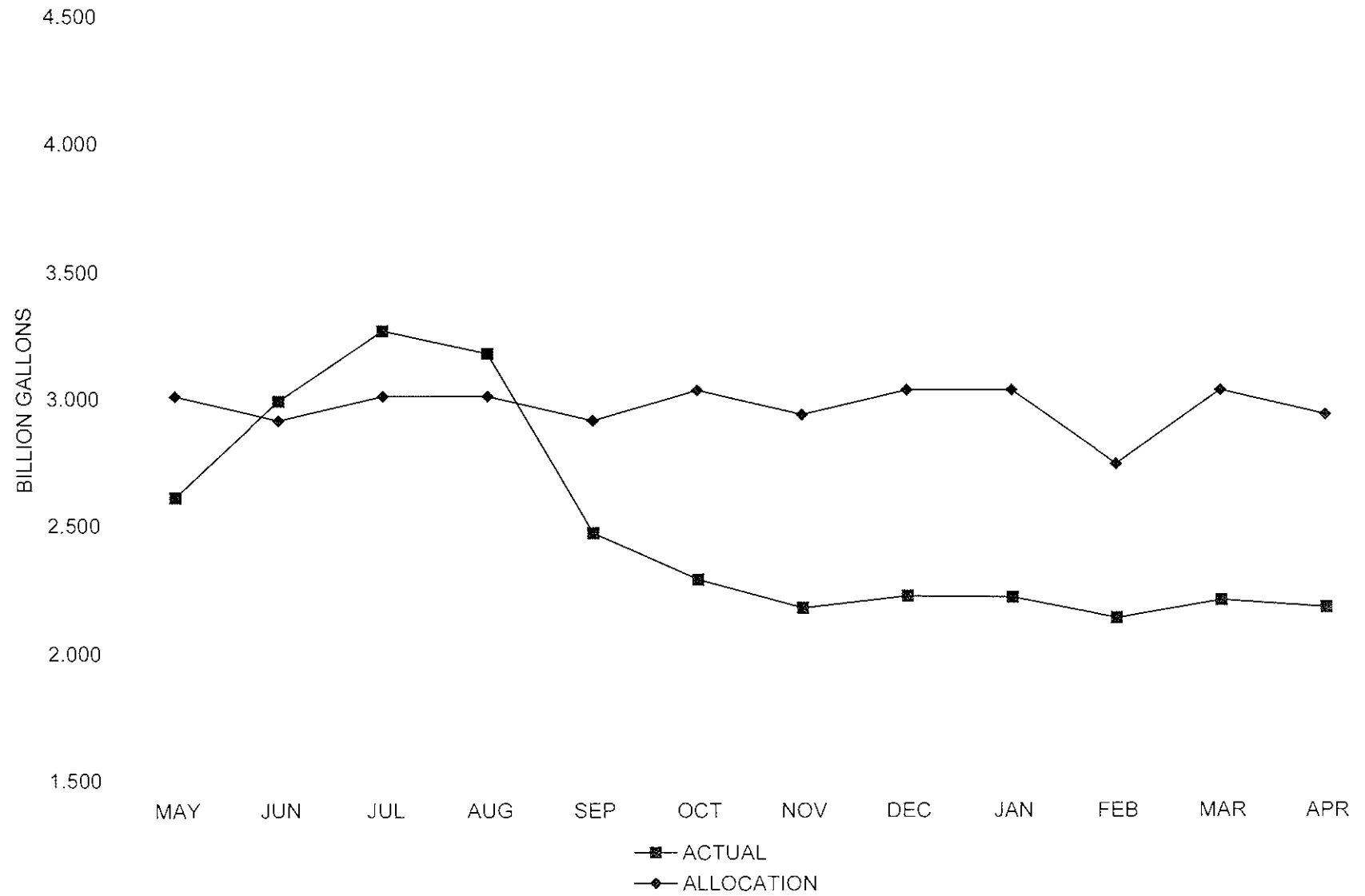
MONTH	SALES TO CUSTOMERS (GALLONS)	PURCHASES FROM CHICAGO (GALLONS)	GALLONS BILLED %	BILLINGS TO CUSTOMERS	BILLINGS FROM CHICAGO	DOCUMENTED COMMISSION WATER USE (2)	DOCUMENTED COMMISSION WATER USE %	TOTAL ACCOUNTED FOR %
May-05	2,751,156,000	2,826,791,957	97.32%	\$3,383,921.88	\$3,669,175.96	7,991,723	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%	\$4,056,602.96	\$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	\$3,032,680.35	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%
Mar-07	2,210,108,000	2,251,116,429	98.18%	\$2,741,312.06	\$2,993,984.85	3,891,151	0.17%	98.35%
Apr-07	2,181,740,000	2,251,116,429	96.92%	\$2,705,357.60	\$2,993,984.85	4,352,433	0.19%	97.11%
TOTALS (1)	447,311,346,000	460,465,645,765	97.14%	\$594,534,682.21	\$513,889,540.80	439,484,811	0.10%	97.24%

(1) - SINCE MAY 1, 1992

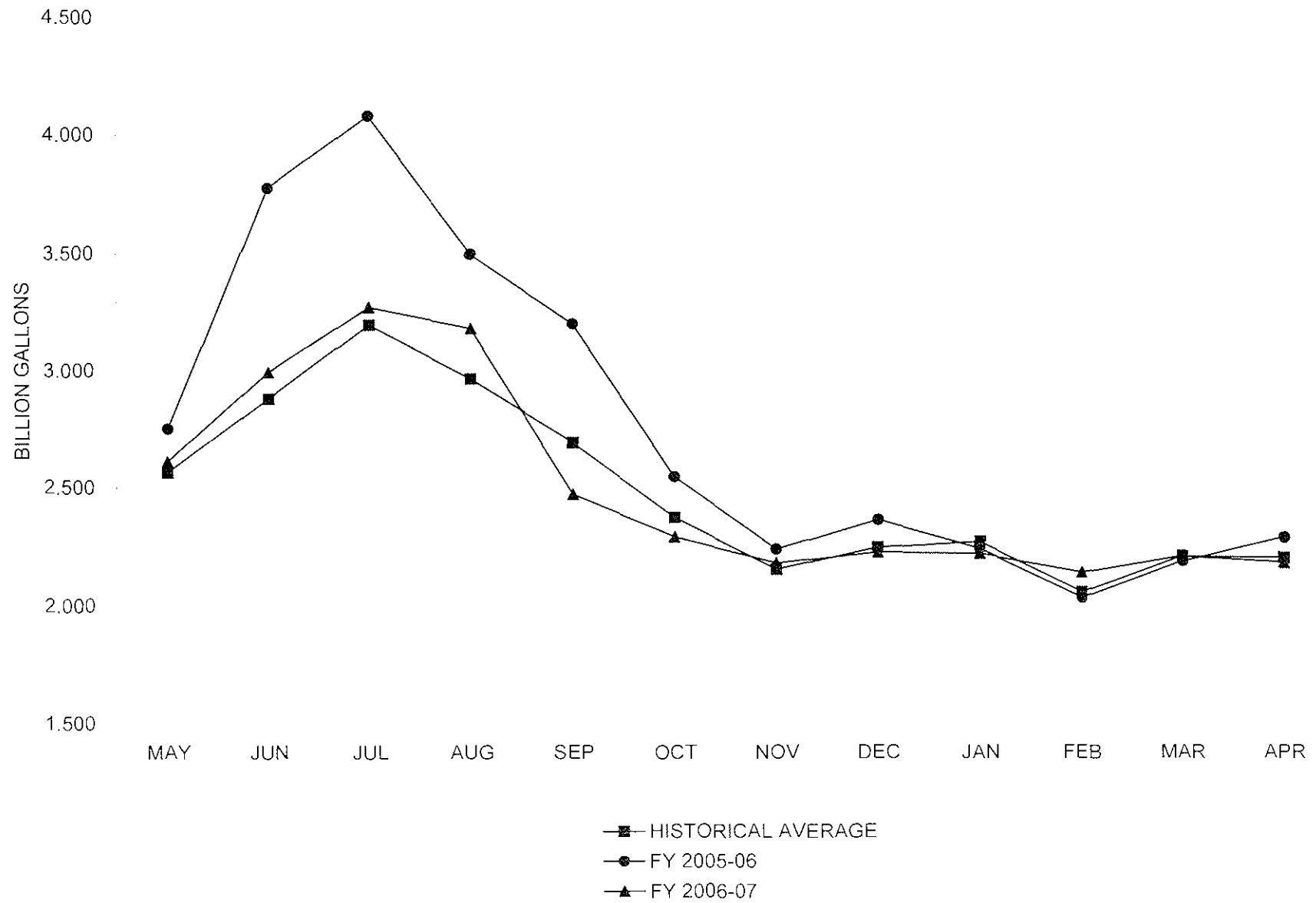
(2) - REPRESENTS DU PAGE PUMP STATION, METER TESTING AND CONSTRUCTION PROJECT USAGE

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



CHANGE ORDER

THE DuPAGE WATER COMMISSION

SHEET 1 OF 3

PROJECT NAME: Inner Belt Transmission Main

CHANGE ORDER NO. 16

LOCATION: Butterfield Road To Prairie Path

CONTRACT NO. TIB-1/03

CONTRACTOR: Rossi Contractors, Inc.

DATE: May 4, 2007

I. A. DESCRIPTION OF CHANGES INVOLVED:

290 calendar day Contract Time Extension.

B. REASON FOR CHANGE:

The request for a Contract Time Extension is necessary due to the additional amount of time required to perform cathodic protection system testing, review and analyze the results of the tests, and perform additional work on the system in those areas determined to be lacking in protection. The cycle of testing, data interpretation, and corrective work was repeated until such time that the entire length of the pipeline had satisfied the Engineer's criteria for system acceptance.

C. REVISION IN PRICE

None.

II. CHANGE ORDER CONDITIONS:

1. The Contract completion date established in the Original Contract or as modified by previous Change Orders is hereby extended by 290 calendar days, making the final completion date April 17, 2007.
2. Any additional work to be performed under this Change Order shall be carried out in compliance with the specifications included in the preceding Description of Changes Involved, with the Contract Drawings designated as Inner Belt Transmission Main, and under the provisions of the Original Contract, including compliance with applicable Equipment Specifications, General Specifications, and Project Specifications for the same type of work.
3. This Change Order unless otherwise provided herein does not relieve the contractor from strict compliance with the guarantee provisions of the Original Contract, particularly those pertaining to performance and operation of equipment.
4. The Contractor expressly agrees he will place under coverage of his Performance and Payment Bonds and Contractor's Insurance all work covered by this Change Order. The Contractor will furnish to the Owner evidence of increased coverage of his Performance and Payment Bonds for the accrued value of all Change Orders which exceeds the Original Contract Price by twenty percent (20%).

III. ADJUSTMENTS IN AMOUNT OF CONTRACT:

- | | | |
|----|--|------------------------|
| 1. | Amount of Original Contract | <u>\$12,730,597.31</u> |
| 2. | Net change due to
previous Change Order
Nos. 1 to 15 | <u>\$ 4,937,427.56</u> |
| 3. | Amount of Contract, not including
this Change Order | <u>\$17,668,024.87</u> |
| 4. | Addition to Contract
due to this Change Order | <u>\$0.00</u> |
| 5. | Amount of Contract including this
Change Order | <u>\$17,668,024.87</u> |

RECOMMENDED FOR ACCEPTANCE:

CONSULTING ENGINEERS: AB&H/Donohue

By: _____ (_____)
Signature of Authorized Representative Date

ACCEPTED: By my authorized signature below, being first duly sworn on oath, I certify on behalf of Contractor that this Change Order does not authorize or necessitate an increase in the price of any Subcontract under the Contract that is 50% or more of the original Subcontract price. I further certify by my authorized signature below, being first duly sworn on oath, that (1) Contractor agrees that no requirement, direction, instruction, interpretation, determination, or decision of Owner or Engineer to date entitles Contractor to an equitable adjustment in the Contract Price or Contract Time that has not been included, or fully included, in this Change Order or in any other Change Order issued to date and (2) Contractor waives all claims based on any such requirement, direction, instruction, interpretation, determination, or decision to date.

ACCEPTED: CONTRACTOR: Rossi Contractors, Inc.

By: _____ (_____)
Signature of Authorized Representative Date

DUPAGE WATER COMMISSION:

By: _____ (_____)
Robert L. Martin Date
General Manager