



DuPage Water Commission

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

AGENDA

ENGINEERING & CONSTRUCTION COMMITTEE
THURSDAY, DECEMBER 10, 2009
7:00 P.M.

600 EAST BUTTERFIELD ROAD
ELMHURST, IL 60126

COMMITTEE MEMBERS

W. Maio, Chair
L. Hartwig
W. Mueller
A. Poole

I. Roll Call

II. Approval of Committee Meeting Minutes of November 12, 2009

RECOMMENDED MOTION: To approve the Minutes of the November 12, 2009 Committee Meeting of the DuPage Water Commission.

III. Report of Status of Construction/Operations

IV. Partial Pay Request

Quick Response Contracts

- Repairs to Current Switches at Des Plaines Ave. in Forest Park (QR8-003A) Authorized by R-41-08 \$90,522.08

RECOMMENDED MOTION: The Engineering Committee recommends to the Commission approval of payments in the amount of \$90,522.08 as part of the accounts payable, subject to submission of all contractually required documentation.

V. Resolution No. R-71-09: A Resolution Approving a Second Amendment to Task Order No. 10 under the Master Contract with AECOM USA, Inc. at the December 10, 2009, DuPage Water Commission Meeting.

- Increase the not-to-exceed cost of the services by \$49,200.00, for a total not-to-exceed cost limit of \$71,700.00.

RECOMMENDED MOTION: The Engineering Committee recommends to the Commission approval of Resolution No. R-71-09: A Resolution Approving a Second Amendment to Task Order No. 10 under the Master Contract with AECOM USA, Inc. at the December 10, 2009, DuPage Water Commission Meeting.

Adjournment

Board/Agendas/Engineering/Eng0912docx

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, NOVEMBER 12, 2009
600 EAST BUTTERFIELD ROAD
ELMHURST, ILLINOIS**

The meeting was called to order at 7:04 P.M.

Committee members in attendance: W. Maio, W. Mueller, A. Poole, L Hartwig, and S. Louis Rathje *ex officio*.

Committee members absent: None

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

Commissioner Mueller moved to approve the Minutes of the October 8, 2009 Engineering Committee. Motion seconded by Commissioner Hartwig and passed unanimously as follows:

Aye: W. Maio, W. Mueller, A. Poole, and L. Hartwig
Nay: None
Absent: None

The Committee reviewed the memorandum regarding the Status of Operations dated November 6, 2009.

Commissioner Hartwig moved to recommends to the Commission approval of Resolution No. R-66-09: A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Contract QRE-4/08 at the November 12, 2009, DuPage Water Commission Meeting. Motion seconded by Commissioner Poole and passed unanimously as follows:

Aye: W. Maio, W. Mueller, A. Poole, and L. Hartwig
Nay: None
Absent: None

Commissioner Mueller moved to recommends to the Commission approval of Resolution No. R-67-09: A Resolution Approving and Ratifying Certain Contract Change Orders at the November 12, 2009, DuPage Water Commission Meeting. Motion seconded by Commissioner Hartwig and passed unanimously as follows:

Aye: W. Mueller, A. Poole, and L. Hartwig
Nay: None
Absent: W. Maio

Engineering Meeting Minutes November 12, 2009

Commissioner Hartwig moved to adjourn the meeting at 7:26 P.M. Motion
seconded by Commissioner Mueller and passed unanimously as follows:

Aye: W. Mueller, A. Poole, and L. Hartwig
Nay: None
Absent: W. Maio

BOARD/MINUTES/ENG091112.doc



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
Mike Weed Operations Supervisor

DATE: December 4, 2009

SUBJECT: Status of Operations

Operations Overview

The Commission's sales for the month of November were a total of 2.007 billion gallons. This represents an average day demand of 66.9 million gallons per day (MGD), which is lower than the November 2008 average day demand of 70.0 MGD. The maximum day demand was 69.7 MGD on November 25, 2009, which is lower than the November 2008 maximum day demand of 74.2 MGD. The minimum day flow was 63.6 MGD. The Commission's recorded total precipitation for the month of November was 1.23 inches compared to 1.81 inches for November 2008. The level of Lake Michigan for November 2009 is 578.33 (Feet IGLD 1985) compared to 577.42 (Feet IGLD 1985) for November of 2008.

Water Conservation

The Commission has received the utility rain barrels from the Conservation Foundation and has distributed 22 barrels so far. The Commission has also received 8 completed utility Pledges and 10 status updates on the Utility Pledges.

The Water Conservation web site www.preservingeverydrop.org is up and running. The December Water Conservation Newsletter was sent out to all Utility Water Conservation Coordinators.

Document Management

Work continues with the CLS Group to complete the document inventory that will be sent to the Secretary of State for their destruction authorization. CLS has completed the installation and implementation of the Document Management Software, WorkShare Comparison software, and provided end-user training for the above mentioned software. Records Management software is tentatively scheduled to be implemented during the month of December. To date installation of the Document Management Software on the Construction, Pipeline, GIS, Instrumentation, Operations, Legal, and the Executive Secretary desktops are complete.

Facilities Construction Overview**Contract PSD-6 Reservoir Addition - Division A – Equipment Storage Building and Material Storage**

The Contractor is working on final punch list items.

Contract PSD-7 DPPS Electrical Generation

Underground utility work is near completion. The Contractor is preparing to perform grading work in order to place concrete pavement in the service yard. Masonry, electrical, mechanical and HVAC work is ongoing. A report has been provided by the engineer for review. The project completion date remains November 25, 2010.

Generator Supply Contract

The delivery of generators to the Lexington Pumping Station is tentatively scheduled for the week of December 14th.

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

Underground utility relocation work is near completion. The precast concrete superstructures of the Electric and Generator Buildings are complete. The buildings are being prepared in order to install the generator equipment. A report has been provided by the engineer for review. The project completion date is November 21, 2010.

Contract PSC-5 Lexington Photovoltaic Cells

The Contractor has installed approximately 85% of the photovoltaic panels. A report has been provided by the engineer for review. The project completion date is July 21, 2010.

Winfield Additional Connection

The project will be let for bids upon receipt of the recorded copies of intergovernmental transfer of easement rights for access to the Winfield Metering Station 27A Site and the partial assignment of private roadway easement rights from Winfield and ComEd.

Naperville Additional Connection

AECOM is reviewing their hydraulic study based on additional information from the City of Naperville.

DuPage County Service Areas

The Contractor has received all permits and has broken ground at the Hobson Valley (Greene Road) and Glen Ellyn Heights service areas. The project completion date is March 16, 2010.

Electrical Safety for DWC Employees

The arc flash studies performed by Greeley and Hansen are being updated to meet the 2009 NFPA 70 revisions.

Contract VA-1

The contractor has completed the installation of the valve actuators at the tank sites and ROV's. The new actuators are functioning properly, minor punch list items to be resolved.

GISCorrosion Control

Staff is continuing to work with the cathodic protection test point data collected by EN Engineering. The overall corrosion management plan is to survey the entire system once every three years to identify hot spots where corrosion is likely to become a problem.

Staff produced GIS maps, have identified several feeder mains, and sections of transmission mains where additional testing is needed. Testing involves measuring the electrical potential between pipes and surrounding soil and comparing these readings to standards established by NACE (National Association of Corrosion Engineers).

GIS maps have become a useful tool in providing oversight of the EN Engineers by identifying possible problem areas. Without the coordination of the GIS maps and the raw data collected by EN, we would not have been able to identify

these possible problem areas. The priority for staff at this point is to develop consistent procedures for processing CP test data.

DuPage Pumping Station As-Built Drawings

Patrick Engineering is still working on the HVAC AutoCAD drawings. The work has turned out to be more complex than originally anticipated but indications are that it will soon be completed to the satisfaction of the Commission.

Pipeline Construction Overview

CONTRACT QR-8/08 (QUICK RESPONSE CONTRACT)

There are no active Work Authorizations at the present time.

Contract TS-7 (South Transmission Main Relocation)

Contract closing was held on November 30, 2009.

1. DuPage Laboratory Bench Sheets for November, 2009
2. Water Sales Analysis 01-May-06 to 30-November-09
3. Chart showing Commission sales versus allocations
4. Chart showing Commission sales versus historical averages

DUPAGE WATER COMMISSION LABORATORY BENCH SHEET
MONTHLY REPORT FOR NOVEMBER 2009

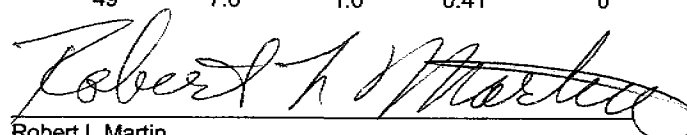
LEXINGTON SUPPLY

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	PO ₄ mg/l	P.A.C. LBS/MG	ANALYST INT
1	0.71	0.08	0.44	0.72	0.08	55	7.6	1.2	0.46	0	GA
2	0.71	0.09	0.49	0.73	0.07	55	7.7	1.2	0.43	0	GA
3	0.70	0.07	0.46	0.70	0.08	55	7.6	1.2	0.43	0	GA
4	0.73	0.07	0.42	0.70	0.07	55	7.7	1.0	0.48	0	RC
5	0.72	0.08	0.41	0.71	0.08	55	7.7	1.1	0.46	0	RC
6	0.69	0.07	0.46	0.71	0.08	55	7.6	1.1	0.42	0	RC
7	0.68	0.07	0.43	0.71	0.08	53	7.6	1.2	0.45	0	RC
8	0.71	0.07	0.44	0.72	0.08	53	7.7	1.1	0.44	0	GA
9	0.70	0.07	0.43	0.71	0.07	54	7.7	1.2	0.41	0	GA
10	0.71	0.08	0.48	0.69	0.07	54	7.6	1.2	0.45	0	GA
11	0.69	0.08	0.46	0.68	0.08	54	7.6	1.2	0.44	0	GA
12	0.67	0.07	0.44	0.70	0.07	54	7.6	1.1	0.46	0	GA
13	0.71	0.07	0.43	0.72	0.08	52	7.6	1.1	0.46	0	RC
14	0.69	0.08	0.48	0.71	0.08	54	7.6	1.2	0.48	0	GA
15	0.71	0.08	0.49	0.70	0.08	53	7.6	1.1	0.44	0	RC
16	0.72	0.09	0.46	0.70	0.08	53	7.6	1.2	0.48	0	GA
17	0.72	0.08	0.40	0.72	0.08	52	7.6	1.2	0.47	0	GA
18	0.71	0.07	0.45	0.71	0.08	51	7.6	1.2	0.46	0	GA
19	0.70	0.09	0.48	0.71	0.08	51	7.6	1.1	0.45	0	GA
20	0.69	0.08	0.47	0.71	0.09	51	7.6	1.0	0.45	0	RC
21	0.70	0.07	0.46	0.73	0.09	51	7.7	1.2	0.44	0	RC
22	0.71	0.07	0.43	0.70	0.09	49	7.7	1.0	0.43	0	RC
23	0.71	0.07	0.43	0.72	0.08	51	7.6	1.0	0.42	0	RC
24	0.73	0.09	0.48	0.73	0.08	50	7.6	1.2	0.42	0	GA
25	0.72	0.09	0.46	0.73	0.07	50	7.6	1.0	0.42	0	GA
26	0.72	0.08	0.46	0.71	0.07	50	7.6	1.0	0.45	0	GA
27	0.68	0.09	0.46	0.69	0.08	50	7.6	1.0	0.44	0	GA
28	0.69	0.08	0.42	0.72	0.08	49	7.6	1.2	0.42	0	RC
29	0.69	0.07	0.44	0.69	0.09	49	7.6	1.2	0.43	0	RC
30	0.69	0.07	0.43	0.70	0.07	49	7.6	1.2	0.45	0	RC
31										0	
AVG	0.70	0.08	0.45	0.71	0.08	52	7.6	1.1	0.44	0	
MAX	0.73	0.09	0.49	0.73	0.09	55	7.7	1.2	0.48	0	
MIN	0.67	0.07	0.40	0.68	0.07	49	7.6	1.0	0.41	0	



Terrance McGhee
Manager of Water Operations



Robert L. Martin
General Manager

DU PAGE WATER COMMISSION
WATER SALES ANALYSIS

01-May-92

TO

30-Nov-09

PER DAY AVERAGE

81,750,341

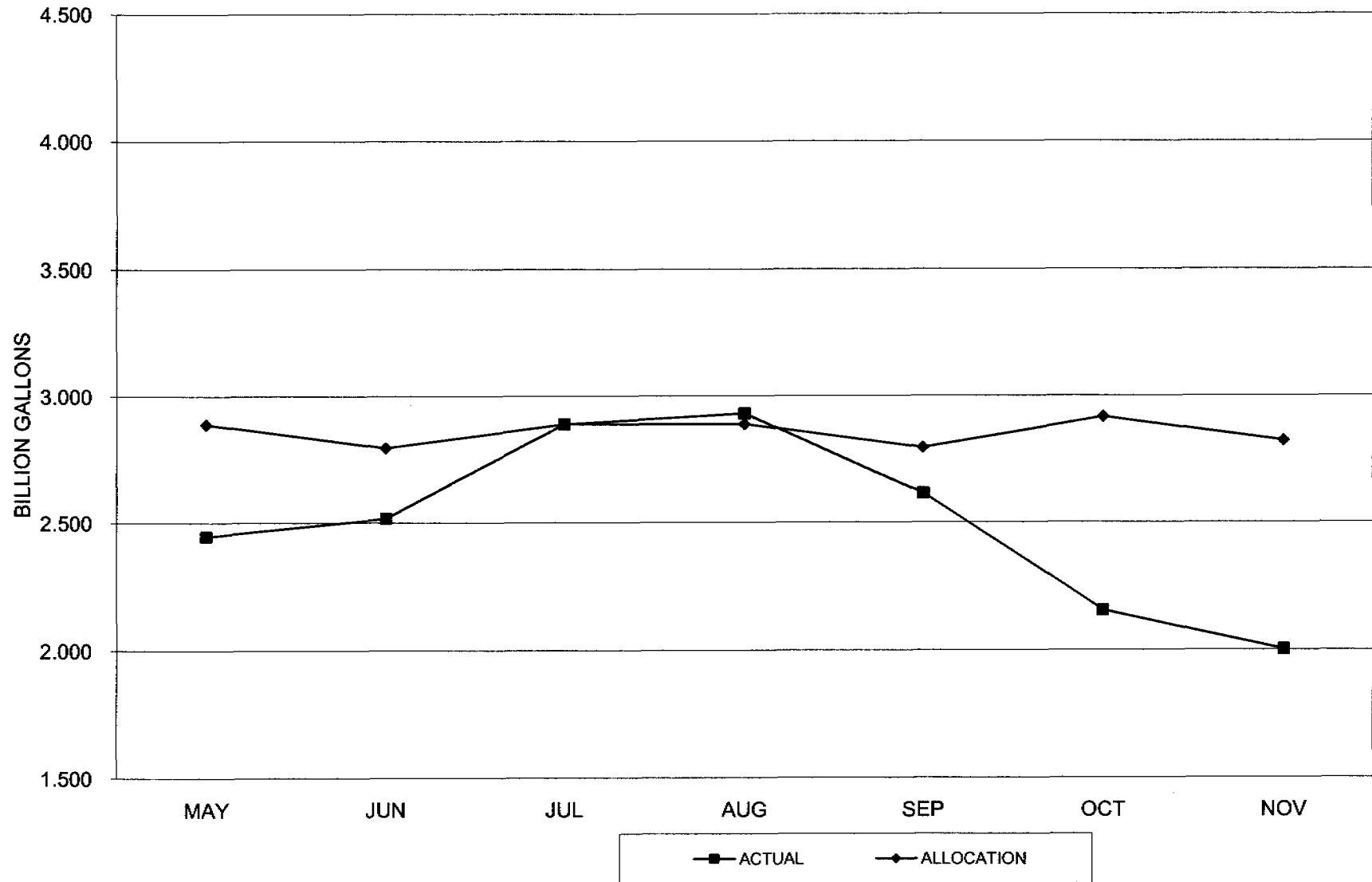
MONTH	SALES TO CUSTOMERS (GALLONS)	PURCHASES FROM CHICAGO (GALLONS)	GALLONS BILLED %	BILLINGS TO CUSTOMERS	BILLINGS FROM CHICAGO	DOCUMENTED COMMISSION WATER USE (2)	DOCUMENTED COMMISSION WATER USE %	TOTAL ACCOUNTED FOR %	DWC RATE
May-06	2,610,813,000	2,692,357,782	96.97%	\$3,237,408.12	\$3,580,835.85	5,227,307	0.19%	97.17%	\$1.24
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%	\$1.24
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%	\$1.24
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%	\$1.24
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%	\$1.24
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%	\$1.24
Nov-06	2,180,207,000	2,227,311,241	97.89%	\$2,703,456.88	\$2,962,323.95	28,850,568	1.30%	99.18%	\$1.24
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%	\$1.24
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%	\$1.24
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%	\$1.24
Mar-07	2,210,108,000	2,285,918,985	96.68%	\$2,741,312.06	\$3,040,272.25	3,891,151	0.17%	98.35%	\$1.24
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%	\$1.24
May-07	2,863,644,000	2,951,900,000	97.01%	\$2,978,988.48	\$3,826,001.00	4,012,875	0.14%	97.15%	\$1.04
Jun-07	3,292,831,000	3,396,024,774	96.96%	\$3,424,545.52	\$4,516,712.95	4,468,064	0.13%	97.09%	\$1.04
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
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
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
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
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
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
Jan-08	2,262,968,000	2,324,208,591	97.37%	\$2,353,466.72	\$3,554,877.04	2,134,597	0.09%	97.46%	\$1.04
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
TOTALS (1)	525,082,437,400	540,501,688,274	97.15%	\$686,196,282.51	\$637,873,670.13	555,376,296	0.10%	97.25%	

(1) - SINCE MAY 1, 1992

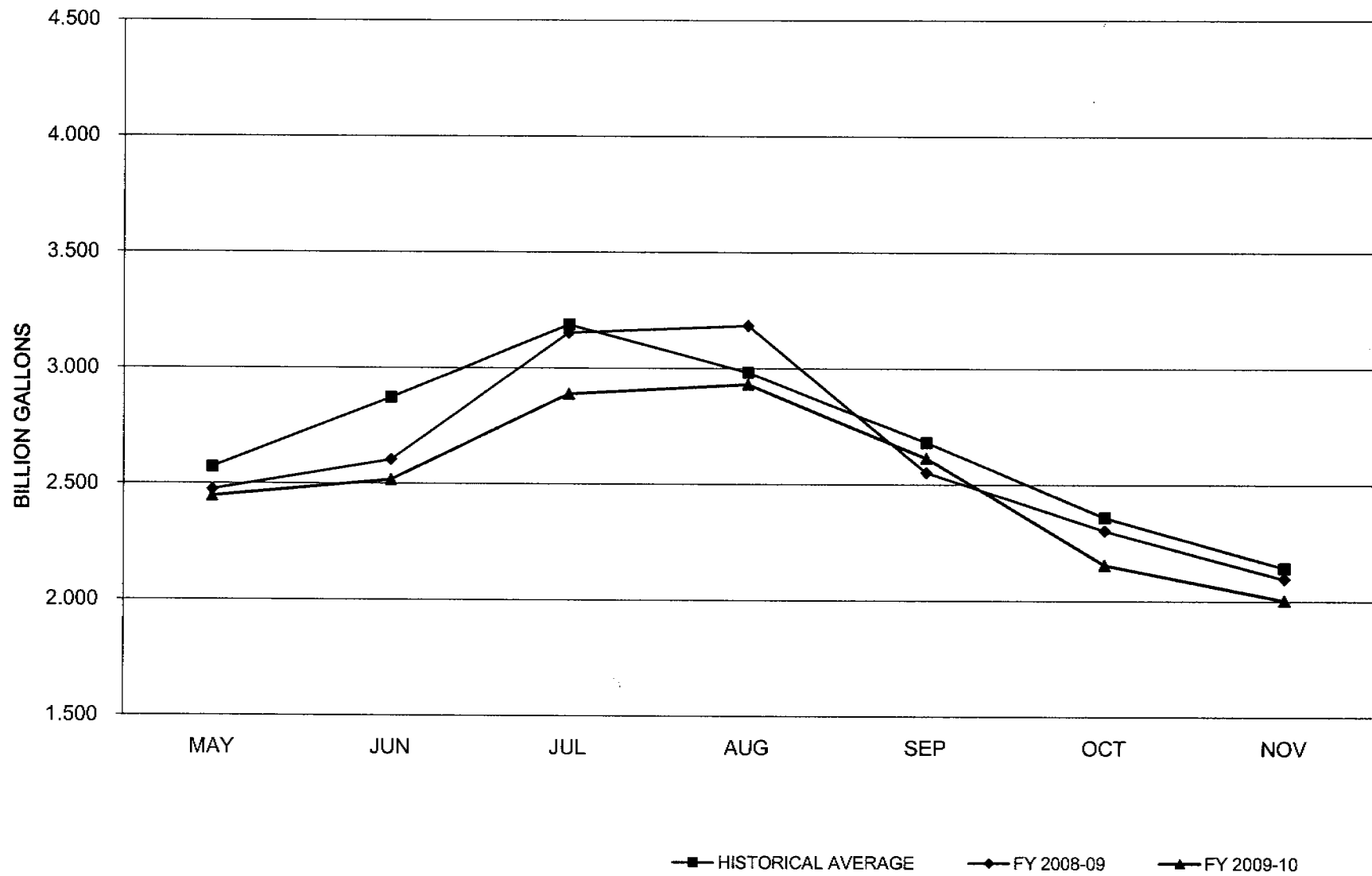
(2) - REPRESENTS DU PAGE PUMP STATION, METER TESTING AND CONSTRUCTION PROJECT USAGE

Operations\Spreadsheets\H2O SALES.xls

**DU PAGE WATER COMMISSION SALES
FY 2009-10 VS. ALLOCATION**



**DU PAGE WATER COMMISSION SALES
FY 2009-10 & FY 2008-09 VS. HISTORICAL AVERAGE**



DU PAGE WATER COMMISSION

ELECTRICAL CURRENT WORK AT TWO EXISTING CURRENT SWITCHES AT DES PLAINES AVE. IN FOREST PARK, IL (QR8-003A)

ACCT. # 60-6631 AUTHORIZED BY R-41.08

ROSSI CONTRACTORS

201 WEST LAKE STREET

NORTHLAKE, IL 60164

	TUE 09/28/09	THUR 09/30/09	FRI 10/01/09	TUE 10/05/09	HOURS UNITS	RATE	EXTENTION	FEE	AMOUNT
LABOR									
WELDER - (S. MEYERS)	4.00	4.00	5.00	4.00	17.00	65.53	1,114.01		
WELDER - OT (S. MEYERS)					0.00	88.03	0.00		
	4.00	4.00	5.00	4.00			<u>1,114.01</u>	40.00%	1,559.61
MATERIAL									
R&R MATERIALS - ELECTRICAL FITTING				21.00			0.00		
							21.00		
							0.00		
							0.00		
							<u>21.00</u>	10.00%	23.10
SUBCONTRACTORS EXPENSE									
R. CLEVELAND U.G. TECHNOLOGIES, CORP. INV. #09-1080 (BASE BID)					74,800.00		0.00		
R. CLEVELAND U.G. TECHNOLOGIES, CORP. INV. #09-1080 (EXTRAS)					6,053.97		74,800.00		
							6,053.97		
							0.00		
							0.00		
							0.00		
							0.00		
							<u>80,853.97</u>	10.00%	<u>88,939.37</u>
									<u>90,522.08</u>

CONFIRMED

BY: 

DATE: 12/1/09

ACCT #

60-6631

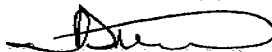
AMT

90522.08

ACCT #

AMT

APPROX







DuPage Water Commission

PSC-04/08

Lexington Pumping Station

Division A – Generator Facility

Division B – Variable Frequency Drives

Progress Report #9

November 2009

Prepared by:

Eric Darlinger / MAI



GREELEY AND HANSEN



McDonough Associates Inc.
Engineers/Architects

December 3, 2009

Progress Report – November 2009

The following is a brief report of the progress achieved on the PSC-04/08 project at the Lexington Pumping Station for the month of November 2009.

I. Summary of Work Performed and Project Status

During the month of November the progress on the PSC-04/08 project continues to meet or exceed the current approved construction schedule. The South Access Road was paved, all underground utilities relocation is substantially complete, and nearly 70% of the underground electrical duct bank for the north road has been constructed. Architectural precast for both the Generator and Electrical building was erected this month. Photographs of November's progress can be found at the end of this report.

II. Project Progress

The following reflects the fully executed Change Order #2.

- Contract Commencement Date July 21, 2008
- Contract Duration 730 calendar days
 - Days Expended 497
- Approved Time Extensions
 - Generator Delivery Period 188 days
 - Contract Completion Date 92 days
- Revised Contract Duration 822 calendar days
 - Percent Completion 60%
- Final Completion Date October 21, 2010

III. Planned Work – November 2009

Throughout the first half of December work will focus on preparation of the Generator Building for setting of the Generators, including roofing, under-slab piping/electrical, and construction of the pads. December should also bring the completed construction of the fuel oil tanks.



Progress Report – November 2009

IV. Construction Costs and Progress Payments

The following summary reflects activity through pay request #5 which is currently being processed.

• Original Contract Price	\$ 17,209,000.00
• Approved Permit Related Change Orders	\$ 284,197.76
○ Permit Change Order Percentage	1.7%
• Approved Constructive Change Orders	-\$ 47,729.45
○ Constructive Change Order Percentage	-0.3%
• Revised Contract Price	\$ 17,445,468.31
• Completed to Date	\$ 3,989,486.39
• Percent Completed to Date	22.9%

V. Pending Action Items and Project Issues

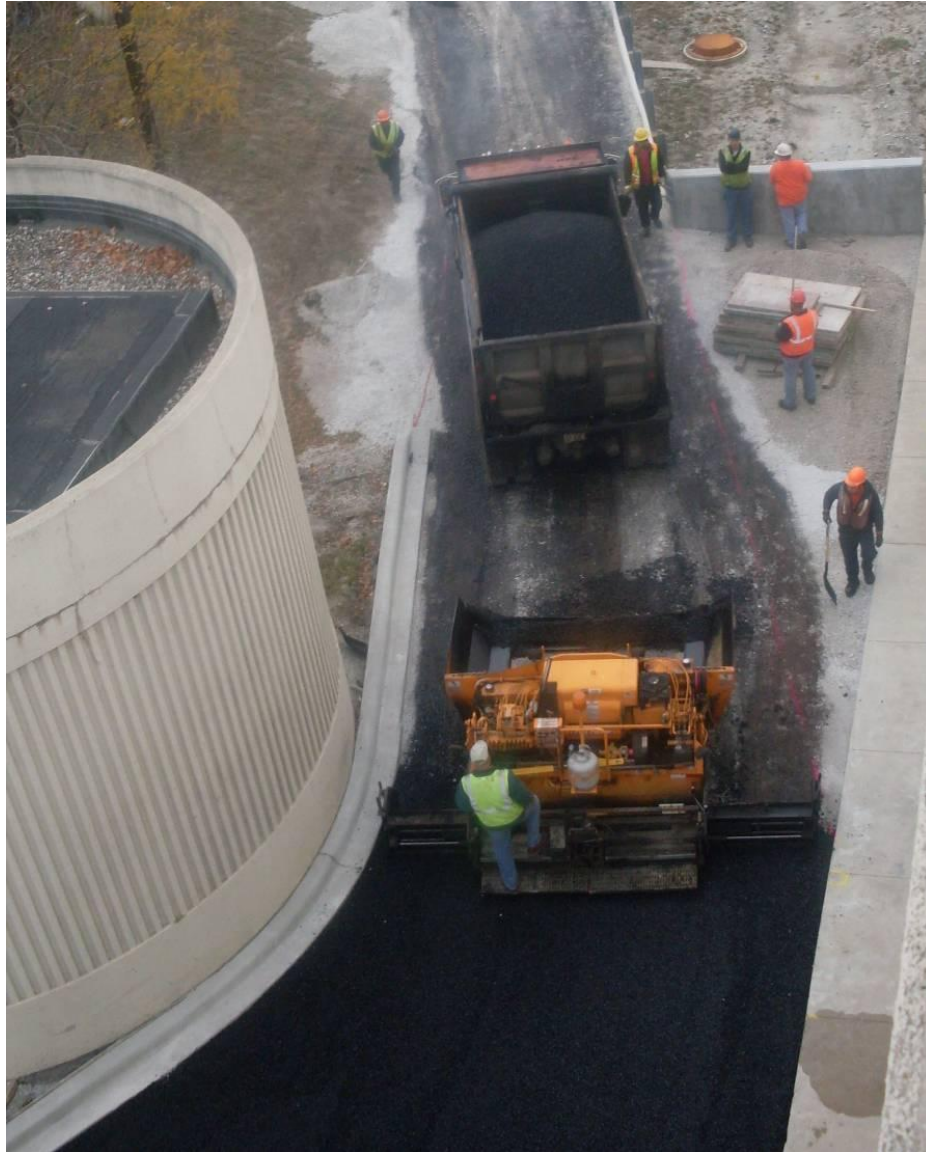
A. *Water Main Change Order Request*

Ownership has requested further information/clarification from the contractor for this change order request. Once the requests have satisfactory response, the change order request will be presented for Board approval.



Progress Report – November 2009

South Access Road Paving



Progress Report – November 2009

Generator Building Precast Installation



Progress Report – November 2009

Generator Building



Generator Electrical Building





DuPage Water Commission

PSC-05/08

Lexington Pumping Station

PHOTOVOLTAIC SYSTEM

Progress Report #4

November 2009

Prepared by:

Eric Darlinger / MAI



GREELEY AND HANSEN



McDonough Associates Inc.
Engineers/Architects

December 3, 2009

Progress Report –November 2009

The following is a brief report of the progress achieved on the PSC-05/08 project at the Lexington Pumping Station for the month of November 2009.

I. Summary of Work Performed and Project Status

Progress for the PSC-05/08 project has been as expected for the month of November. Installation of the PV racks/panels continues and is now more than 85% complete. In addition, the PV conduit on top of the reservoir has been cleaned; cable installation was started and is now nearing 50% completion. Photographs of November's progress can be found at the end of this report.

II. Project Progress

- Contract Commencement Date July 21, 2008
- Contract Duration 730 calendar days
 - Days Expended 497
 - Percent Time Complete 68%
- Approved Time Extension 0 days
- Final Completion Date July 21, 2010

III. Planned Work – December 2009

Throughout the month of December work will continue to focus on the installation of the PV system on top of the reservoir. Installation of the PV panels and racks will be completed and if all progresses as planned the entire installation outside of the Electrical Building envelope should be completed as well.

IV. Construction Costs and Progress Payments

- Original Contract Price \$ 7,996,000.00
- Approved Grant Change Orders \$ 250,000.00
- Approved Constructive Change Orders \$ 0.00
- Constructive Change Order Percentage 0.0%
- Revised Contract Price \$ 8,246,000.00
- Completed to Date \$ 3,998,000.00
- Percent Completed to Date 48.5%

V. Pending Action Items and Project Issues

A. *Stored Materials Milestone Payment*

Recommendation for payment on the application for the stored materials milestone payment for 40% of contract value was made in November and is currently being processed.

Progress Report –November 2009

November 9, 2009 Photovoltaic installation



November 19, 2009 Progression of cable installation



Progress Report –November 2009

November 25, 2009 Photovoltaic Installation (from the new Generator Building)



November 30, 2009 Photovoltaic Installation



Electric Generation Facility & Office/Garage Expansion



DuPage Water Commission

600 E. Butterfield Road

Elmhurst IL 60126

PSD 7/08

Monthly Progress Report #11

November 2009





December 1, 2009

Mr. Chris Bostick
Facilities Construction Supervisor/Safety Coordinator
DuPage Water Commission
600 East Butterfield Rd.
Elmhurst, IL 60126

Subject: DuPage Water Commission
Electrical Generation Facility and Office/Garage Expansion
Monthly Construction Progress Report No. 11

Dear Mr. Bostick:

We herewith submit our Progress Report No. 11 for the construction of the Electrical Generation Facility and Office/Garage Expansion for the DuPage Pumping Station covering the one month period from November 1, 2009 through November 31, 2009.

1. *Overview and Status of the Work*

The Electrical Generation Facility and Office/Garage Expansion for the DuPage Pumping Station project consist of the renovation and expansion of the Existing Service Building in both the North and South directions. The North expansion is to create office space, the South expansion is to house four Standby 2500 kW Diesel Engine-Generators and the existing portion is to be the Electrical Room. Due to the conversion of the Existing Service Building a new Garage is to be built. Also, the existing Upper Parking Lot is to be relocated to the Northwest area of the site to allow for the installation of a covered parking structure. The project includes site piping, grading and pavement to accommodate the changes.

In the past month, Williams Brothers Construction, Inc. (WBCI) has finished installing and began removing shoring from the covered parking structure because they have finished installing forms, rebar and concrete for the roof slab and planter walls. Masonry work continued in the existing service building and drywall installation continued in the office building with all the necessary in-wall plumbing & electrical piping. The motorized dampers for the louvers were installed in the generator building and work on

the HVAC ductwork and piping continued. Fuel oil, lube oil and vent piping to and from the day and lube oil tanks continued. They finished the installation of the potable water, sanitary, and storm water piping in the lower parking lot. Installation of the overhead doors in the garage and generator building were completed. Boiler and chiller piping continued to all HVAC units in both the Mechanical room and on the rooftops. WBCI and Nicor installed the new site natural gas piping. Finally, excavation of the retaining wall footing along the new lower lot entrance was completed and landscaping along Butterfield Road and Cadwell Avenue continued.

2. *Scheduled Upcoming Work/December, 2009*

In the next month, Williams Brothers Construction, Inc. plans to complete the testing and disinfecting of the underground potable water piping. They also plan to connect and energize the new natural gas piping as well as remove the existing natural gas piping. WBCI will also continue removing shoring and forms from the covered parking structure roof slab. Plumbing and electrical work will continue in the office, generator and existing service buildings. Masonry work will continue in the existing service building as will the installation of all in-wall plumbing and electrical piping. The ductwork installation will continue as will the piping associated with the HVAC system. WBCI will install the forms, rebar, concrete and brick on the retaining wall along the new lower lot entrance.

3. *Project Schedule*

The October 2009 Construction Schedule update indicates the project's final completion date remains on schedule.

Contract No. PSD-7/08

▪ Contract Execution Date	November 25, 2008
▪ Contract Duration (final Completion)	730 calendar days
▪ Time Expended	372 days
▪ Percent Time Complete	50.96%
▪ Approved Time Extensions	0 days
▪ Final Completion Date	November 24, 2010

4. *Construction Costs and Progress Payments*

Mr. C. Bostick
December 1, 2009
Page 3

Applications for Progress Payments have been submitted each month by Williams Brothers Construction, Inc. to commensurate with the work performed. The following is a summary of progress payments.

Contract No. PSD-7/08

▪ Original Contract Price	\$16,970,000.00
▪ Approved Change Orders	\$ 191,625.00
▪ Approved Change Order Percentage	1.13%
▪ Revised Contract Price	\$17,161,625.00
▪ Total Completed To Date	\$ 10,551,664.74
▪ Percent Completed To Date	61.48%

5. *Pending Action Items and Issues*

- A few minor Potential Change Orders are pending.

Should you have any questions, please do not hesitate to call.

Very truly yours,

Robert J. Reid
Resident Engineer
Camp Dresser & McKee Inc.

cc: David D. Tucker, Jacquelyne Sanders



Retaining Wall Footing Excavation



Natural Gas Supply Pipe Installation

Mr. C. Bostick
December 1, 2009
Page 5



Covered Parking Structure Roof Slab Rebar



Covered Parking Structure Concrete Roof Slab



Rooftop Chiller Piping



Lube and Fuel Oil Rooftop Vents