



# DuPage Water Commission

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

## AGENDA

**ENGINEERING & CONSTRUCTION COMMITTEE**  
**THURSDAY, JULY 9, 2009**  
**7:00 P.M.**

## COMMITTEE MEMBERS

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

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

- I. Roll Call
- II. Approval of Committee Meeting Minutes of May 14, 2009

**RECOMMENDED MOTION: To approve the Minutes of the May 14, 2009 Committee Meeting of the DuPage Water Commission.**

- III. Report of Status of Construction/Operations
- IV. Resolution No. R-36-09: A Resolution Approving and Ratifying Certain Contract Change Orders at the July 9, 2009, DuPage Water Commission Meeting.
  - estimated cost \$51,446.00 (Contract PSD 6A/08)
  - estimated cost \$14,279.00 (Contract PSD 7/08)

**RECOMMENDED MOTION: The Engineering Committee recommends to the Commission approval of Resolution No. R-36-09: A Resolution Approving and Ratifying Certain Contract Change Orders at the July 9, 2009, DuPage Water Commission Meeting.**

- V. Resolution No. R-37-09: A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Contract QR-8/08 at the July 9, 2009, DuPage Water Commission Meeting.
  - estimated cost \$45,148.00

**RECOMMENDED MOTION: The Engineering Committee recommends to the Commission approval of Resolution No. R-37-09: A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Contract QR-8/08 at the July 9, 2009, DuPage Water Commission Meeting.**

- VI. Resolution No. R-38-09: A Resolution Approving and Ratifying Certain Task Orders Under a Master Contract with Peters & Associates, Inc. at the July 9, 2009, DuPage Water Commission Meeting

- estimated cost \$3,600.00

**RECOMMENDED MOTION:** The Engineering Committee recommends to the Commission approval of Resolution No. R-38-09: A Resolution Approving and Ratifying Certain Task Orders Under a Master Contract with Peters & Associates, Inc. at the July 9, 2009, DuPage Water Commission Meeting.

- VII. Resolution No. R-39-09: A Resolution Approving and Ratifying Certain Task Orders Under a Master Contract with Patrick Engineering, Inc. at the July 9, 2009, DuPage Water Commission Meeting

- estimated cost \$20,000.00

**RECOMMENDED MOTION:** The Engineering Committee recommends to the Commission approval of Resolution No. R-39-09: A Resolution Approving and Ratifying Certain Task Orders Under a Master Contract with Patrick Engineering Inc. at the July 9, 2009, DuPage Water Commission Meeting.

- VIII. Resolution No. R-40-09: A Resolution Approving a First Amendment to the Landscape Maintenance Services Contract between the DuPage Water Commission and Acres Enterprises, Inc at the July 9, 2009, DuPage Water Commission Meeting

- Reductions in costs \$5,640.00

**RECOMMENDED MOTION:** The Engineering Committee recommends to the Commission approval of Resolution No. R-40-09: A Resolution Approving a First Amendment to the Landscape Maintenance Services Contract between the DuPage Water Commission and Acres Enterprises, Inc at the July 9, 2009, DuPage Water Commission

- IX. Resolution No. R-41-09: A Resolution Approving a First Amendment to Task Order No. 10 Under the Master Contract with Patrick Engineering, Inc. at the July 9, 2009, DuPage Water Commission Meeting

- \$6,500.00 NTE Cost Increase from \$18,000.00 to \$24,500.00

**RECOMMENDED MOTION:** The Engineering Committee recommends to the Commission approval of Resolution No. R-41-09: A Resolution Approving a First Amendment to Task Order No. 10 Under the Master Contract with Patrick Engineering, Inc. at the July 9, 2009, DuPage Water Commission Meeting.

X. Adjournment

Board/Agendas/Engineering/Eng0907.doc

**MINUTES OF A MEETING OF THE  
ENGINEERING & CONSTRUCTION COMMITTEE  
OF THE DuPAGE WATER COMMISSION  
HELD ON THURSDAY, MAY 14, 2009  
600 EAST BUTTERFIELD ROAD  
ELMHURST, ILLINOIS**

The meeting was called to order at 7:10 P.M.

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

Committee members absent: W. Maio

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

Commissioner Hartwig moved to approve the Minutes of the April, 9, 2009 Engineering Committee. Motion seconded by Commissioner Poole and passed unanimously as follows:

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

The Committee reviewed the memorandum regarding the Status of Operations dated May 8, 2009.

Commissioner Poole moved to recommend to the Commission approval of payments in the amount of \$1,745.46 as part of the accounts payable, subject to submission of all contractually required documentation. Motion seconded by Commissioner Hartwig and passed unanimously as follows:

**Quick Response Contracts**

- Electrically Test 5KVA Lines from Transformer Yard into the DuPage Electrical Room (QRE4-002A) Authorized by R-15-09 \$1,745.46

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

Commissioner Hartwig moved to recommend to the Commission approval of Resolution No. R-25-09: A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Contract QR-8/08 at the May 14, 2009, DuPage Water Commission Meeting. Motion seconded by Commissioner Poole. The motion passed unanimously as follows:

Engineering Meeting Minutes May 14, 2009

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

Commissioner Hartwig moved to recommend to the Commission approval of Resolution No. R-26-09: A Resolution Approving and Ratifying Certain Task Orders under a Master Contract with EN Engineering, LLC at the May 14, 2009, DuPage Water Commission Meeting. Motion seconded by Commissioner Poole. The motion passed unanimously as follows:

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

Commissioner Hartwig moved to recommend to the Commission approval of Resolution No. R-27-09: A Resolution Approving and Ratifying Certain Task Orders under a Master Contract with Peters & Associates at the May 14, 2009, DuPage Water Commission Meeting. Motion seconded by Commissioner Poole. The motion passed unanimously as follows:

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

Commissioner Hartwig moved to recommend to the Commission approval of Resolution No. R-28-09: A Resolution Approving and Ratifying Certain Contract Change Orders at the May 14, 2009, DuPage Water Commission Meeting. Motion seconded by Commissioner Poole. The motion passed unanimously as follows:

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

Commissioner Hartwig moved to recommend to the Commission approval of Resolution No. R-30-09: A Resolution Approving a Second Amendment to Task Orders No. 4 under the Master Contract with Greely and Hansen LLC at the May 14, 2009, DuPage Water Commission Meeting. Motion seconded by Commissioner Poole. The motion passed unanimously as follows:

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

Commissioner Hartwig moved to recommend to the Commission approval of Resolution No. R-31-09: A Resolution Directing Advertisement for Bids on a Contract for the Construction of DuPage County Glen Ellyn Heights Meter Station 9A (Contract MS-18/09) at the May 14, 2009, DuPage Water Commission

Engineering Meeting Minutes May 14, 2009

Meeting. Motion seconded by Commissioner Poole. The motion passed unanimously as follows:

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

Commissioner Poole moved to recommend to the Commission approval of Resolution No. R-32-09: A Resolution Directing Advertisement for Bids on a Contract for the Construction of DuPage County Hobson Valley (Green Road) Meter Station 9B (Contract MS-19/09) at the May 14, 2009, DuPage Water Commission Meeting. Motion seconded by Commissioner Hartwig. The motion passed unanimously as follows:

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

Commissioner Poole moved to recommend to the Commission approval of Resolution No. R-33-09: A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Contract QRE-4/08 at the May 14, 2009, DuPage Water Commission Meeting. Motion seconded by Commissioner Hartwig. The motion passed unanimously as follows:

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

Commissioner Hartwig moved to adjourn the meeting at 7:18 P.M. Motion seconded by Commissioner Poole and unanimously approved by a Voice Vote.

All voted aye. Motion carried.

BOARD/MINUTES/ENG090514.doc



# DuPage Water Commission

## MEMORANDUM

TO: Robert Martin            General Manager

FROM: Terry McGhee *JM*    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:            July 2, 2009

SUBJECT:        Status of Operations

### Operations Overview

The Commission's sales for the month of June were a total of 2.520 billion gallons. This represents an average day demand of 84.0 million gallons per day (MGD), which is lower than the June 2008 average day demand of 86.9 MGD. The maximum day demand was 108.1 MGD on June 26, 2009, which is higher than the June 2008 maximum day demand of 94.7 MGD. The minimum day flow was 75.8 MGD. The Commission's recorded total precipitation for the month of June was 7.18 inches compared to 4.18 inches for June 2008. The level of Lake Michigan for June 2009 is 578.79 (Feet IGLD 1985) compared to 577.96 (Feet IGLD 1985) for June of 2008.

### Water Conservation

The planning group held a utility information forum to rollout the Water Conservation Program mission, resources, and identify utility contacts. The utility training meeting will be held in July.

### Computer Room Cooling System

Hill Mechanical has completed the installation and Primera has completed the commissioning of the cooling units. The Commission has received all contract closeout documents and final payment will be issued in July.

### Document Management

Staff is working with the CLS Group to complete the initial document inventory that will be sent to the Secretary of State for their destruction authorization. The Document Management software has been purchased and a RFP for installation and implementation services has been developed and is currently under review. Data Transfer is scheduled to begin at the end of July.

### Facilities Construction Overview

#### Contract PSD-6 Reservoir Addition - Division A – Equipment Storage Building and Material Storage

The Contractor has formed and poured the concrete slabs, pressure tested the underground fuel tank and continues working on the underground utilities. Requirements of the Building Permit are a wet-pipe fire suppression system and additional storm water facilities. The mechanical portion of the wet-pipe fire suppression system change order appears on the agenda as part of R-36-09. This includes a 30 day time extension for delays in building permit issuance.

#### Contract PSD-7 DPPS Electrical Generation

The Contractor continues the masonry work and electrical duct bank installation. The four stationary generators have been set on their pads. Roofing work is underway as well as the forming and pouring of parking lot curbs. The project completion date remains November 25, 2010.

#### Generator Supply Contract

The generator equipment shop testing is ongoing with delivery of the stationary generators to the DuPage Pumping Station being completed on June 26th. The delivery of generators to the Lexington Pumping Station is delayed due to permitting issues.

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

The City of Chicago's permitting process continues to delay the excavation of site utilities and foundations for the buildings. It is anticipated that the permit will be issued by July 3rd. The project completion date is July 21, 2010.

#### Contract PSC-5 Lexington Photovoltaic Cells

The Contractor is being held up until the building permit is issued for the entire site. The project completion date remains July 10, 2010.

Winfield Additional Connection

ComEd and the Village are working to resolve the MS-27A access issues.

Naperville Additional Connection

Staff is working on the revisions to the draft IGA.

DuPage County Service Areas

Preliminary design services for the Glen Ellyn Heights and Hobson Valley (Greene Road) service areas are ongoing.

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

Commission staff has reviewed and finally approved the equipment submittals. The valve actuators are scheduled to be delivered in the third week of July.

**GIS**DuPage Pumping Station As-built Drawings

Patrick Engineering has completed the pilot project of developing AutoCAD drawings of the pumping station's mechanical systems. The drawings developed during the pilot program were not as detailed as originally desired and additional work is required. Resolution R-41-09 appears on the agenda as a change order to Task Order 10 to complete the pilot project.

Corrosion Control

Staff continues to work with EN Engineering to define requirements for integrating corrosion control data in GIS. EN has developed parameters that will be used to indicate CP protected pipe segments, type of protection (galvanic vs. impressed current) and effective vs. shorted isolation flanges. Staff is working on developing the methodology to store CP data in the Infor Enterprise Asset Management system.

GIS Software

Staff is working on plans to replace the Commission's existing GIS web site with a more robust ArcGIS Server web site. This new web site will allow staff to develop on-line tools such as a pipe profile display to view vertical elevations and a pipe trace back tool to quickly identify valves needed to isolate portions of a pipeline.

**Pipeline Construction Overview****CONTRACT QR-8/08 (QUICK RESPONSE CONTRACT)**

Work Authorization No. 3 for the installation of a bonding cable between two existing reverse current switches will begin following permit approval from the CSX Railroad.

**CONTRACT VSR-1 (VALVE STEM REPLACEMENT)**

Design is approximately 70% complete.

**Contract TS-8 (South Transmission Main Corrosion Mitigation Project)**

60 day notices will be going out within the next 2 weeks. The contract is expected to be advertised in July with construction beginning in August or September.

**Contract TS-7 (South Transmission Main Relocation)**

Final plans and specs are currently under reviewed. Advertisement and bid opening is tentatively scheduled for August.

**JULY 2009 COMMISSION AGENDA ITEMS:**

**R-36-09**-----A Resolution Approving and Ratifying Certain Contract Change Orders at the July 9, 2009, DuPage Water Commission Meeting

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1. DuPage Laboratory Bench Sheets for June, 2009
2. Water Sales Analysis 01-May-06 to 30-June-09

Operations\Memorandums>Status of Operations 090702.doc

DUPAGE WATER COMMISSION LABORATORY BENCH SHEET  
MONTHLY REPORT FOR JUNE 2009

## LEXINGTON SUPPLY

## DUPAGE DISCHARGE

DAY	LEXINGTON SUPPLY		DUPAGE DISCHARGE		TEMP °F	pH	Fluoride	PO <sub>4</sub> mg/l	P.A.C. LBS/MG	ANALYST INT	
	FREE CL <sub>2</sub> mg/l	TURBIDITY NTU	FREE CL <sub>2</sub> mg/l	TURBIDITY NTU							
1	0.71	0.10	0.48	0.73	0.09	56	7.6	1.0	0.50	0	MR
2	0.69	0.10	0.48	0.74	0.09	56	7.6	1.0	0.51	0	MR
3	0.72	0.11	0.47	0.75	0.09	58	7.6	1.0	0.50	0	MR
4	0.70	0.11	0.44	0.76	0.09	58	7.7	1.1	0.46	0	MR
5	0.69	0.10	0.47	0.73	0.09	58	7.6	1.1	0.49	0	JV
6	0.68	0.10	0.48	0.72	0.08	58	7.6	1.0	0.50	0	JV
7	0.67	0.10	0.48	0.73	0.09	59	7.6	1.0	0.48	0	JV
8	0.68	0.10	0.50	0.72	0.09	59	7.5	1.0	0.48	0	JV
9	0.70	0.10	0.51	0.75	0.07	60	7.6	1.0	0.49	0	MR
10	0.71	0.09	0.47	0.74	0.09	59	7.6	1.0	0.46	0	MR
11	0.69	0.10	0.48	0.74	0.09	60	7.6	1.0	0.48	0	MR
12	0.68	0.09	0.49	0.75	0.09	60	7.6	1.0	0.51	0	MR
13	0.68	0.11	0.51	0.76	0.09	60	7.6	1.0	0.48	0	JV
14	0.70	0.10	0.50	0.76	0.09	61	7.6	1.0	0.46	0	JV
15	0.70	0.10	0.53	0.74	0.09	62	7.6	1.1	0.48	0	JV
16	0.68	0.10	0.50	0.75	0.08	62	7.6	1.1	0.51	0	JV
17	0.69	0.10	0.48	0.73	0.09	63	7.6	1.1	0.50	0	JV
18	0.71	0.09	0.47	0.73	0.09	63	7.6	1.1	0.50	0	RC
19	0.72	0.09	0.49	0.76	0.08	62	7.6	1.1	0.48	0	RC
20	0.72	0.09	0.47	0.75	0.09	62	7.6	1.1	0.49	0	RC
21	0.68	0.09	0.48	0.74	0.09	62	7.6	1.0	0.47	0	RC
22	0.69	0.10	0.48	0.72	0.09	63	7.6	1.0	0.45	0	RC
23	0.68	0.11	0.51	0.71	0.09	63	7.6	1.0	0.48	0	JU
24	0.68	0.11	0.48	0.75	0.09	64	7.6	1.0	0.48	0	GA
25	0.70	0.11	0.48	0.71	0.09	64	7.6	1.0	0.47	0	GA
26	0.71	0.12	0.49	0.71	0.07	64	7.6	1.0	0.48	0	GA
27	0.69	0.11	0.48	0.71	0.08	64	7.6	1.0	0.48	0	GA
28	0.70	0.10	0.50	0.73	0.09	64	7.6	1.1	0.51	0	RC
29	0.70	0.10	0.51	0.73	0.09	65	7.6	1.1	0.52	0	RC
30	0.69	0.10	0.47	0.74	0.09	65	7.6	1.1	0.48	0	RC
31											
AVG	0.69	0.10	0.47	0.74	0.09	61	7.6	1.0	0.49	0	
MAX	0.72	0.12	0.53	0.76	0.09	65	7.7	1.1	0.52	0	
MIN	0.67	0.09	0.44	0.71	0.07	56	7.5	1.0	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-Jun-09

PER DAY AVERAGE 81,348,186

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	\$2,703,456.68	4,540,716	0.19%	97.31%	\$1.24
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%	\$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	2,255,212,245	98.18%	\$2,741,312.06	\$4,548,585.00	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	\$3,926,001.00	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%	\$2,353,486.72	\$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	97.85%	\$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
TOTALS (1)	509,971,780,400	524,949,912,365	97.15%	\$683,832,510.15	\$612,095,943.28	537,227,425	0.10%	97.25%	

(1) - SINCE MAY 1, 1992

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

# **Electric Generation Facility & Office/Garage Expansion**



## **DuPage Water Commission**

**600 E. Butterfield Road**

**Elmhurst IL 60126**

**PSD 7/08**

**Monthly Progress Report #6**

**June 2009**

**CDM**



July 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. 6

Dear Mr. Bostick:

We herewith submit our Progress Report No.6 for the construction of the Electrical Generation Facility and Office/Garage Expansion for the DuPage Pumping Station covering the one month period from June 1, 2009 through June 30, 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 installed forms, rebar and concrete for the Garage slab, Office Building slab, Generator Building slab and Security Wall. Also, installed were the Architectural Precast Panels on both the Generator and Office Buildings along with the acoustical roof decking for the Generator Building. WBCI continued installing structural glazed tile and brick masonry walls for the Generator and Office Buildings and began installing brick on the new Security Wall, as

well as, removing brick from the existing Security Wall. They continued cutting and filling soil, as well as, beginning the installation of curbs for the new parking lot. Additionally, under-slab electrical conduit & plumbing piping for the Garage, Existing Service, Generator and Office Buildings was completed. WBCI unloaded and set the four Engine-Generators that were delivered. Fuel lines into Generator Building were installed, as well as, the storm sewer at the new entrance. Finally, WBCI began installing one of the ductbanks from the ComEd Yard to the Existing Service Building.

2. *Scheduled Upcoming Work/July, 2009*

In the next month, Williams Brothers Construction, Inc. plans to finish installing the metal decking and membrane roofing on the Office, Generator and Existing Service Buildings. Also, planned is the continued installation of block and brick walls on the Office and Generator Buildings and finishing installation of brick on the Security Wall. WBCI plans to continue installing curbs for the new Parking Lot. Additionally, they plan to continue installing ductbank from the ComEd Yard to the Existing Service Building and conduit in the Existing Service Building. Finally, installation of structural steel and roof for the Garage is planned.

3. *Project Schedule*

The June 2009 Construction Schedule update indicates the project's final completion date and the Engine-Generator deliveries will remain on schedule.

*Contract No. PSD-7/08*

▪ Contract Execution Date	November 25, 2008
▪ Contract Duration (final Completion)	730 calendar days
▪ Time Expended	218 days
▪ Percent Time Complete	29.86%
▪ Approved Time Extensions	0 days
▪ Final Completion Date	November 24, 2010

Mr. C. Bostick  
July 1, 2009  
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**4. Construction Costs and Progress Payments**

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	\$ 114,306.00
▪ Approved Change Order Percentage	0.67%
▪ Revised Contract Price	\$17,084,306.00
▪ Total Completed To Date	\$ 3,459,209.23
▪ Percent Completed To Date	20.25 %

**5. Pending Action Items and Issues**

- There are few small Potential Change Orders pending for relatively minor changes requested by IDOT and the DuPage Water Commission.

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

Mr. C. Bostick  
July 1, 2009  
Page 4



Offloading Engine-Generators Sets



Engine-Generator Sets on Equipment Pads



Security Wall Progress



Generator Building Roof



New Parking Lot Curb Construction

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July 1, 2009  
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New Garage Construction Progress



**DuPage Water Commission**

**PSC-04/08**

# **Lexington Pumping Station**

Division A – Generator Facility

Division B – Variable Frequency Drives

## **Monthly Progress Report #5**

**June 2009**

Prepared by: Eric Darlinger / MAI



**GREELEY AND HANSEN**



**McDonough Associates Inc.**  
Engineers/Architects

July 1, 2009

## Monthly Progress Report – June 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 June 2009.

### I. Summary of Work Performed and Project Status

All progress for the PSC-04 project occurred in the second half of June. Installation of the remaining items for the South Access Road has been completed including traffic control, CCTV, gate operator, and replacement of the water meter vault lid. Pending a final walk-through, JJH has completed all the Work on the South Access Road prior to permit approval for construction on the north side of the reservoir. Photographs of June'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 344
  - Percent Time Complete 47.1%
- Approved Time Extension 100 days (Generator Delivery Period only)
- Final Completion Date July 21, 2010

### III. Planned Work – July 2009

In July, approval of the project Building Permit is expected during the first week. Early work on the north side of the reservoir will include temporary fence and erosion control installation and demolition of the existing drive. Following the preparatory work, focus will be on the relocation of the underground utilities beginning with the gas and water mains.

### IV. Construction Costs and Progress Payments

The second payment request was processed in June, and is reflected in the summary of progress payments.

- Original Contract Price \$ 17,209,000.00
- Approved Change Orders \$ 28,331.37
- Approved Change Order Percentage 0.2%
- Revised Contract Price \$ 17,237,331.37
- Completed to Date \$ 1,615,656.10
- Percent Completed to Date 9.4%



## Monthly Progress Report – June 2009

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### V. Pending Action Items and Project Issues

#### A. *Building Permit*

The Chicago Office of Underground Coordination (OUC) recommendation of approval to the Chicago Department of Buildings (DOB) was issued June 24<sup>th</sup> following the receipt of the CTA's executed right of entry the previous day. Approval recommendation from Zoning was issued June 26<sup>th</sup> clearing the way for finalization of the permit by the DOB. As stated earlier DOB approval is expected in the first week of July.



## Monthly Progress Report – June 2009

New water meter vault lid



South Access Road Traffic Control



## Monthly Progress Report – June 2009

### South Access Road Entry Security CCTV and Gate Operator

