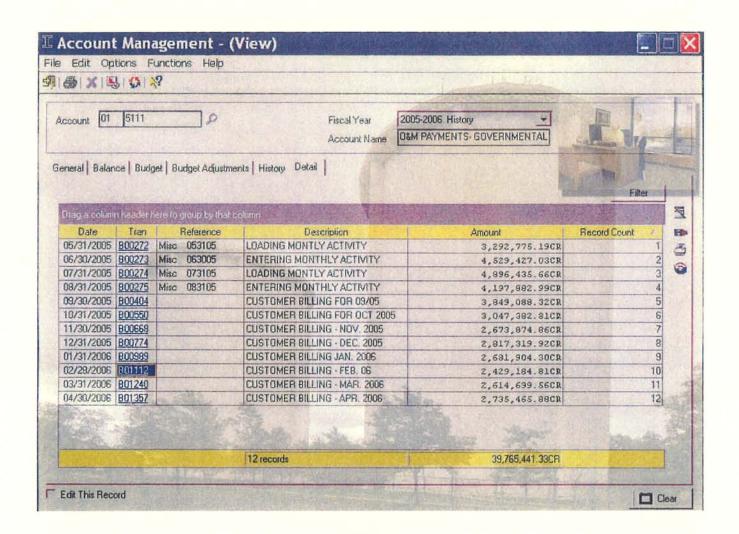
### Dupage Water Commission 2005-2006 Annual Report





#### FISCAL YEAR 2005 - 2006

#### **ANNUAL REPORT**

#### OF THE

#### **DUPAGE WATER COMMISSION**

#### COOK, Dupage and will counties, Illinois

#### **BOARD OF COMMISSIONERS**

S. Louis Rathje, Chairman

Richard P. Thorn, Treasurer

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DISTRICT 2

Larry Hartwig, Municipal

William J. Mueller, Municipal

Vice Chairman

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Gregory W. Wilcox, County

Robert L. Martin, P.E.

General Manager

Maureen A. Crowley, Esq. -

Staff Attorney, Clerk

R. Max Richter

Financial Administrator

R. Christopher Bostick

**Facilities Construction Supervisor** 

Frank J. Frelka -

Geographic Information Systems Coordinator

Edward J. Kazmierczak -

Pipeline Supervisor

Terrance McGhee

**Operations Supervisor** 

John W. Schori

Instrumentation/Remote Facilities Supervisor

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Cover picture depicts the Commission's Accounting Software System and personnel.



600 E. BUTTERFIELD ROAD • ELMHURST, IL • 60126-4642 (630) 834-0100 • FAX: (630) 834-0120

October 12, 2006

Chairman Rathje and Commissioners DuPage Water Commission 600 E. Butterfield Road Elmhurst, IL 60126

Dear Chairman Rathje and Commissioners:

Fiscal year 2005-2006 saw the implementation of the Commission's new accounting software and asset management system. The need for an accounting software system was identified in the audit. The implementation of the accounting software was a major effort by the Financial Administrator and the Commission's accountant.

The Commission's Staff Attorney was instrumental in the completion of the lengthy negotiations concerning the DuPage County Subsequent Customer Contract, including the verification of the Charter Customer Section 12(c) waivers. The Staff Attorney is also responsible for the preparation of the resolutions and ordinances considered by the Commissioners at their monthly board meetings.

The Operations Department is coordinating the upgrade of the Computerized Maintenance Management System. The Commission has been selected to participate in two American Water Works Association Research Foundation projects. These projects include Asset Management Strategies and Impact of Phosphate Corrosion Inhibitors on Cement-Based Pipes and Linings. The Phosphate Corrosion Inhibitor project will incorporate information obtained from the pipe loop pilot plant the Commission is using to evaluate the aluminum phosphate deposits in its pipelines.

The Instrumentation and Remote Facilities Department continued with improving the maintenance and regular calibration of all instrumentation within the DuPage Pump Station and remote facilities, and the maintenance of the electrical, mechanical and structural systems at the remote facilities. In addition to improved maintenance of the remote facilities, the Commission also installed direct inward dial (DID) phone lines as part of the enhanced 911 system.

The implementation of the Geographical Information System (GIS) continues. The GIS system is being developed to work in parallel with the Asset Management System so the Commission can continue its effort of improved maintenance.

The Facilities Construction Supervisor has taken on the additional responsibilities as the Commission's Safety Coordinator. The Commission has become a member of the National Safety Council. The Commission has agreed to move forward with the emergency generation plan at both the DuPage and Lexington Pumping Stations after many months of evaluation.

The Pipeline Department completing the construction of Contract TIB-1, a 72" transmission main between two major transmission lines. This project is designed to provide system-wide redundancy in the event of a break in any of the Commission's major transmission mains. The rehabilitation of the blow off valves on the 90" Transmission Main was begun and should be completed in this fiscal year.

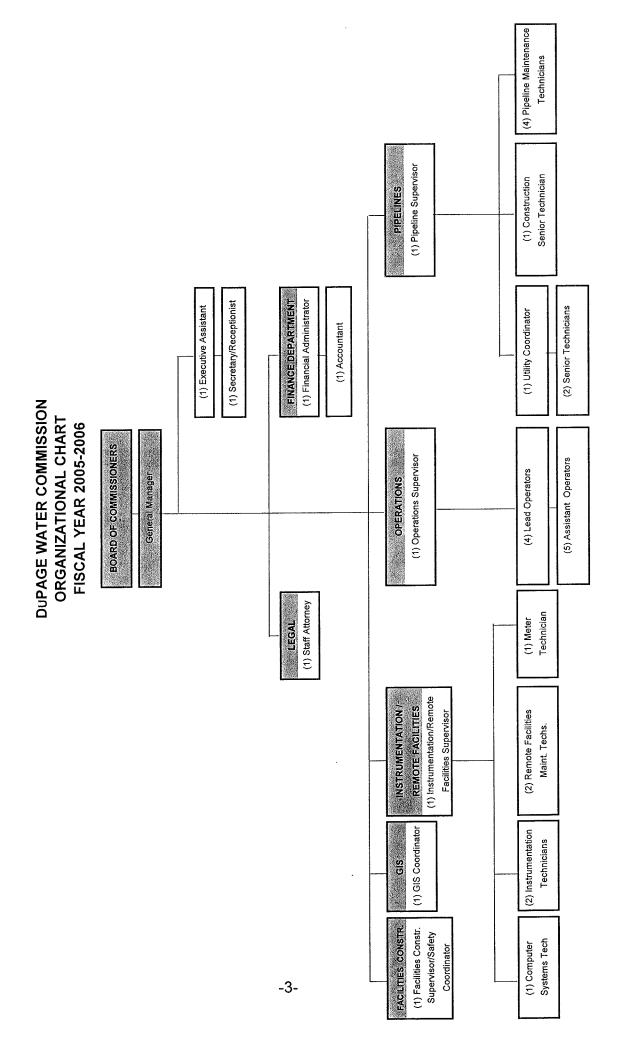
For fiscal year 2005-2006, total revenues were 3.7% more than budget and total operating expenditures were 6.8% below budget. The Commission implemented a Charter Customer water rate of \$1.45 per 1,000 gallons for the fiscal year.

Very truly yours,

Robert L. Martin, P.E.

Tober La Martin

General Manager





600 E. BUTTERFIELD ROAD • ELMHURST, IL • 60126-4642 (630) 834-0100 • FAX: (630) 834-0120

October 12, 2006

Mr. Robert L. Martin, P.E. General Manager DuPage Water Commission 600 E. Butterfield Road Elmhurst, IL 60126

Dear Mr. Martin:

For the period May 1, 2005, through April 30, 2006, the Commission incurred \$13,898.50 in General Counsel fees, which fees related almost solely to labor and employment work, and \$0.00 in Special Counsel fees. This represents a significant reduction from prior periods.

	General Counsel Fees	Special Counsel Fees
FY 03/04	\$267,208.50	\$125,296.00
FY 04/05	\$64,018.50	\$21,300.00
FY 05/06	\$13,898.50	\$0.00

With respect to specific projects, the Legal Department completed the lengthy negotiations concerning the DuPage County Subsequent Customer Contract, including promoting and verifying the Charter Customer Section 12(c) waivers. In addition, the Legal Department prepared the initial draft of a supplemental agreement with the City of Chicago covering back-up generation and enhanced maintenance at the Lexington Pumping Station.

On the more mundane side, besides addressing refund claims from a variety of sources, the Legal Department was responsible for the almost 70 ordinances and resolutions considered by the Board, including negotiating and drafting more than 16 engineering agreements and amendments, 5 intergovernmental and miscellaneous agreements and amendments, and bidding and contract documents for 6 separate projects.

Very truly yours,

Maureen A. Crowley Staff Attorney



600 E. BUTTERFIELD ROAD • ELMHURST, IL • 60126-4642 (630) 834-0100 • FAX: (630) 834-0120

October 12, 2006

Mr. Robert L. Martin, P.E. General Manager DuPage Water Commission 600 E. Butterfield Road Elmhurst, IL 60126

Dear Mr. Martin:

The Operations Department continues to maintain and operate the DuPage Pump Station at the required level to provide the highest level of service to our customers.

During the past year, all the equipment at the Pump Station was inspected, cleaned, and maintained on a weekly, monthly, quarterly, and annual basis. The annual pump and motor rehabilitation program continued this year with the replacement of seals for three pumps. The hydraulic discharge control valves were inspected and all the control valve cabinets were rebuilt. One pump suction valve had the seat replaced.

The Operations Department implemented monthly joint maintenance inspections of the Lexington Pump Station with the Chicago Department of Water Management.

While working with the Pipeline Department, additional C-Factor testing was completed, and Inner Belt Transmission Main was placed into service.

As required by the Illinois Environmental Protection Agency, the Commission collected monthly and quarterly samples for water quality and filed all required paperwork with no violations. The Commission has received a waiver from the Stage 2 Disinfection By-Products Regulation.

The Commission is currently involved in upgrading the Computerized Maintenance Management System to incorporate information from the Commission's Geographical Information System (GIS). This project is scheduled for completion during the first quarter of 2007. The Commission has partnered with Westin Engineering Inc. on an American Water Works Association Research Foundation (AWWARF) project that will study Asset Management Strategies.

The hydraulic model of the distribution system has been calibrated and all node elevations have been verified. The model may now be used to estimate approximate water age, water quality, and simulate the results of valve operations.

Finally, the Operations Department is continuing to monitor the Pipe Loop Pilot Plant to evaluate the aluminum phosphate deposits in Commission pipelines. The Commission has partnered with Camp Dresser McKee on an AWWARF Phosphate Corrosion Inhibitor Research Project in conjunction with the Commission's pilot plant.

Very truly yours,

Terrance McGhee
Operations Supervisor

Own Me Sha

#### **CUSTOMER USAGE**

	FY 2006 TOTAL (1,000 GAL) (1)	% OF TOTAL	ALLOCATION (1,000 GAL)	% OF ALLOCATION	2006 ALLOCATION (MGD)	2005 ALLOCATION (MGD)
ADDISON	1,421,990	4.28%	1,673,711	84.96%	4.603	4.561
ARGONNE NAT'L LAB (2)	181,187	0.55%	276,670	65.49%	0.758	0.758
BENSENVILLE	901,914	2.72%	989,090	91.19%	2.714	2.704
BLOOMINGDALE	980,286	2.95%	1,032,467	94.95%	2.847	2.803
CAROL STREAM	1,470,847		1,668,299	88.16%	4.599	4.531
CLARENDON HILLS	312,917	0.94%	262,405	119.25%	0.721	0.716
DARIEN	891,409	2.68%	1,021,668	87.25%	2.812	2.781
DOWNERS GROVE	2,402,223	7.23%	2,503,388	95.96%	6.884	6.823
ELMHURST	1,691,398	5.09%	1,712,490	98.77%	4.698	4.683
GLEN ELLYN	1,065,551	3.21%	1,078,241	98.82%	2.957	2.950
GLENDALE HEIGHTS	982,406	2.96%	1,119,701	87.74%	3.081	3.049
HINSDALE	1,051,202	3.17%	970,353	108.33%	2.661	2.655
IAWC-ARROWHEAD	67,517	0.20%	71,540	94.38%	0.196	0.196
IAWC-COUNTRY CLUB	36,842	0.11%	42,705	86.27%	0.117	0.117
IAWC-DU PAGE/LISLE	172,380	0.52%	218,909	78.75%	0.601	0.598
IAWC-LIBERTY RIDGE EAST	12,115	0.04%	18,828	64.35%	0.052	0.051
IAWC-LIBERTY RIDGE WEST	113,784	0.34%	128,663	88.44%	0.355	0.349
IAWC-LOMBARD HEIGHTS	23,079	0.07%	26,280	87.82%	0.072	0.072
IAWC-VALLEY VIEW	273,226	0.82%	255,500	106.94%	0.700	0.700
ITASCA	588,351	1.77%	648,759	90.69%	1.787	1.764
LISLE	1,130,590	3.40%	1,185,645	95.36%	3.265	3.225
LOMBARD	1,632,558	4.92%	1,799,027	90.75%	4.943	4.909
NAPERVILLE	6,905,031	20.79%	7,521,961	91.80%	20.661	20.534
OAK BROOK	1,511,436	4.55%	1,514,935	99.77%	4.163	4.133
OAKBROOK TERRACE	55,578	0.17%	88,972	62.47%	0.260	0.221
ROSELLE	779,947	2.35%	823,534	94.71%	2.270	2.237
VILLA PARK	737,827	2.22%	773,253	95.42%	2.121	2.115
WESTMONT	1,003,725	3.02%	1,055,216	95.12%	2.896	2.884
WHEATON	2,131,691	6.42%	2,152,804	99.02%	5.916	5.873
WILLOWBROOK	432,926	1.30%	492,173	87.96%	1.353	1.342
WINFIELD	346,277	1.04%	414,337	83.57%	1.141	1.127
WOOD DALE	609,512	1.84%	607,118	100.39%	1.670	1.654
WOODRIDGE	1,292,035	3.89%	1,186,682	108.88%	3.282	3.208
TOTAL	33,209,757	100.00%	35,335,324	93.98%	97.156	96.323

<sup>(1)</sup> Includes meter adjustment billings.

<sup>(2)</sup> The State of Illinois has determined that no water allocation permit is required for Argonne National Laboratory to draw water from Lake Michigan. The figures set forth in this table for Argonne National Laboratory represent the maximum amount of water the Commission is obligated to sell to it.

#### **CUSTOMER WATER STORAGE**

CUSTOMER	EXISTING STORAGE (MG)	2006 ALLOCATION (IN MGD)		REQUIRED STORAGE	SHALLOW WELL ALLOWANCE		STORAGE ABOVE OR (BELOW) REQ
ADDISON	6.75	4.603	4.74%	9.21	0.92	2.96	1.43
ARGONNE NAT'L LAB	1.02	0.758	0.78%	1.52	0.15	0.49	0.14
BENSENVILLE	3.55	2.714	2.79%	5.43	0.00	1.75	(0.13)
BLOOMINGDALE	4.80	2.847	2.93%	5.69	0.57	1.83	1.51
CAROL STREAM	6.50	4.599	4.73%	9.20	0.92	2.96	1.18
CLARENDON HILLS	1.25	0.721	0.74%	1.44	0.14	0.46	0.42
DARIEN	2.50	2.812	2.89%	5.62	0.56	1.81	(0.75)
DOWNERS GROVE	8.00	6.884	7.09%	13.77	1.38	4.43	0.04
ELMHURST	15.00	4.698	4.84%	9.40	0.94	3.02	9.57
GLENDALE HEIGHTS	4.70	3.081	3.17%	6.16	0.62	1.98	1.14
GLEN ELLYN (4)	3.17	2.957	3.04%	5.91	0.59	1.90	(0.25)
HINSDALE	4.50	2.661	2.74%	5,32	0.53	1.71	1.42
IAWC-ARROWHEAD	0.40	0.196	0.20%	0.39	0.04	0.13	0.17
IAWC-COUNTRY CLUB	0.20	0.117	0.12%	0.23	0.02	0.08	0.06
IAWC-DUPAGE/LISLE (1)	0.91	0.601	0.62%	1.20	0.12	0.39	0.21
IAWC-LOMBARD HEIGHTS (2)	0.08	0.072	0.07%	0.14	0.01	0.05	0.00
IAWC-LIBERTY RIDGE EAST (4)	0.07	0.052	0.05%	0.10	0.01	0.03	0.01
IAWC-LIBERTY RIDGE WEST (3)	0.40	0.355	0.37%	0.71	0.07	0.23	(0.01)
IAWC-VALLEY VIEW	0.88	0.700	0.72%	1.40	0.14	0.45	0.07
ITASCA	3.50	1.787	1.84%	3.57	0.36	1.15	1.43
LISLE (1)	4.79	3.265	3.36%	6.53	0.65	2.10	1.01
LOMBARD (2)	6.14	4.943	5.09%	9.89	0.99	3.18	0.42
NAPERVILLE	43.90	20.661	21.27%	41.32	4.13	13.29	20.00
OAK BROOK	8.00	4.163	4.28%	8.33	0.83	2.68	3.18
OAKBROOK TERRACE	0.50	0.260	0.27%	0.52	0.00	0.17	0.15
ROSELLE	1.75	2.270	2.34%	4.54	0.00	1.46	(1.33)
VILLA PARK	3.80	2.121	2.18%	4.24	0.42	1.36	1.35
WESTMONT	4.50	2.896	2.98%	5.79	0.58	1.86	1.15
WHEATON	7.26	5.916	6.09%	11.83	1.18	3.81	0.42
WILLOWBROOK	4.00	1.353	1.39%	2.71	0.00	0.87	2.16
WINFIELD (3)	1.60	1.141	1.17%	2.28	0.23	0.73	0.28
WOOD DALE	3.35	1.670	1.72%	3.34	0.33	1.07	1.42
WOODRIDGE	6.15	3.282	3.38%	6.56	0.66	2.11	2.35
CUSTOMER TOTAL COMMISSION TOTAL	163.92 62.50	97.156	100.00% (1) LISLE	194.31	18.11 ED STORAGE T	62,50 O IAWC DUI	50.22 PAGE/LISLE

226.42

TOTAL

<sup>(1)</sup> LISLE CONTRACTED STORAGE TO IAWC DUPAGE/LISLE
(2) LOMBARD CONTRACTED STORAGE TO IAWC LOMBARD
(3) WINFIELD CONTRACTED STORAGE TO IAWC LIBERTY RIDGE WEST
(4) GLEN ELLYN CONTRACTED STORAGE TO IAWC LIBERTY RIDGE EAST

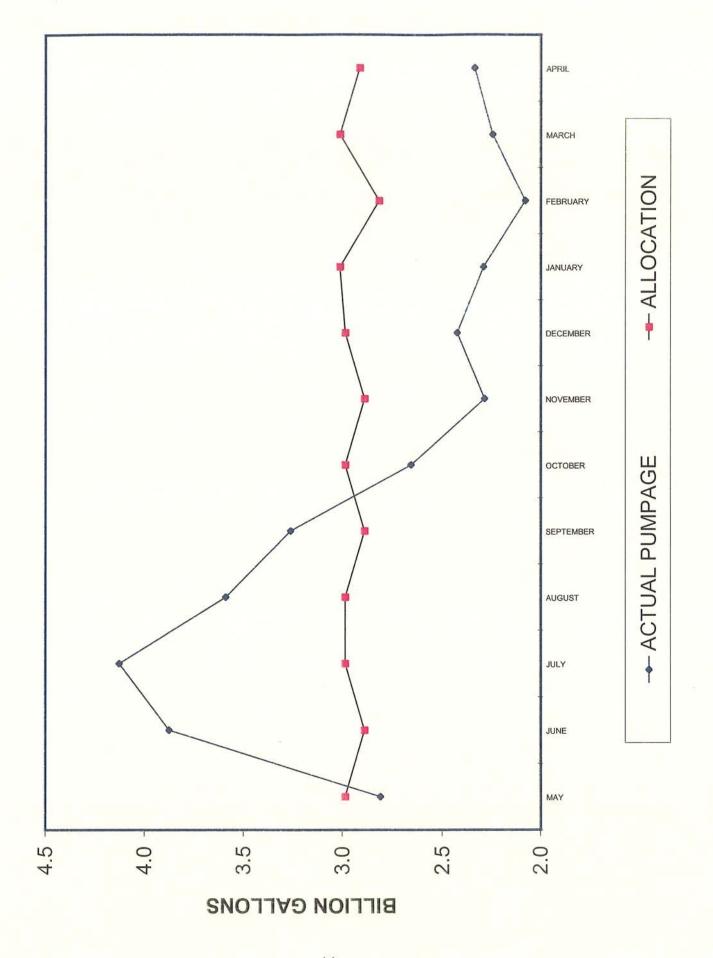
#### **MONTHLY WATER PUMPAGE**

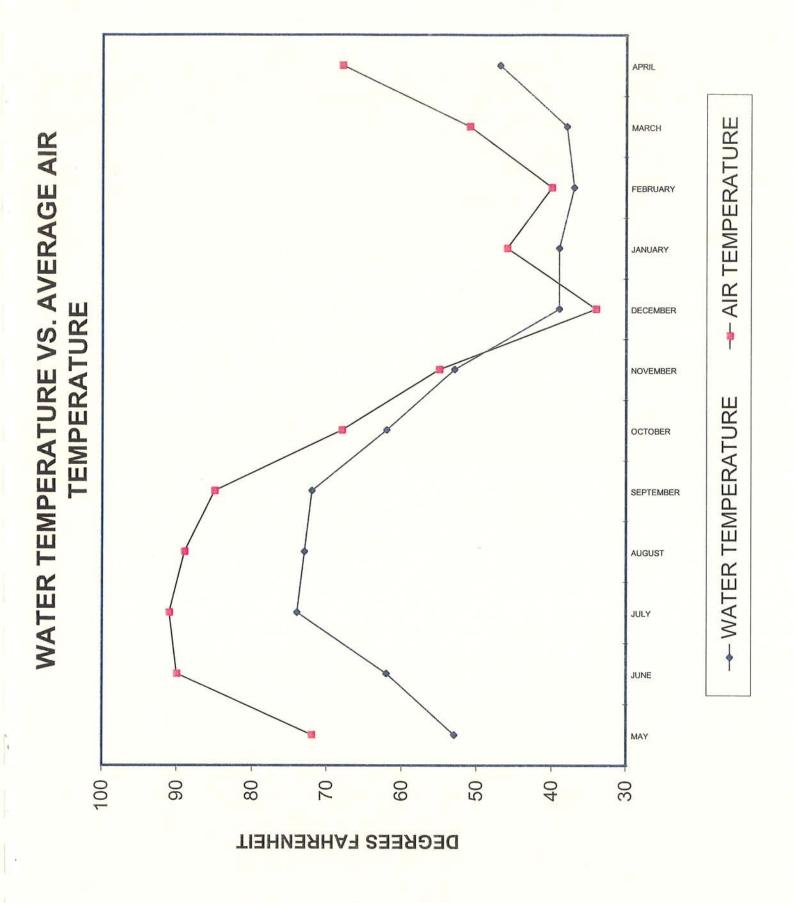
MONTH	AVERAGE DAILY FLOW	MAXIMUM DAILY FLOW MGD	MINIMUM DAILY FLOW MGD	AVERAGE AIR TEMPERATURE °F
MAY, 2005	90.6	109.9	78.8	72
JUNE, 2005	129.2	157.8	102.0	90
JULY, 2005	133.1	159.1	94.5	91
AUGUST, 2005	115.8	144.6	92.7	89
SEPTEMBER, 2005	108.7	144.1	65.1	85
OCTOBER, 2005	85.7	94.3	78.9	68
NOVEMBER, 2005	76.2	82.7	70.0	55
DECEMBER, 2005	78.2	84.5	69.6	34
JANUARY, 2006	73.9	78.6	69.1	46
FEBRUARY, 2006	74.2	78.6	70.4	40
MARCH, 2006	72.4	80.3	65.8	51
APRIL, 2006	77.8	90.2	68.7	68
AVERAGE MAXIMUM MINIMUM	93.0 133.1 72.4	108.7 159.1 78.6	77.1 102.0 65.1	66 91 34
AVERAGE DAILY PU HIGHEST DAILY PU LOWEST DAILY PU	MPAGE	159.1	MGD MGD MGD	

# ILLINOIS DEPARTMENT OF NATURAL RESOURCES LAKE MICHIGAN WATER ALLOCATIONS (Million Gallons Per Day) (1)

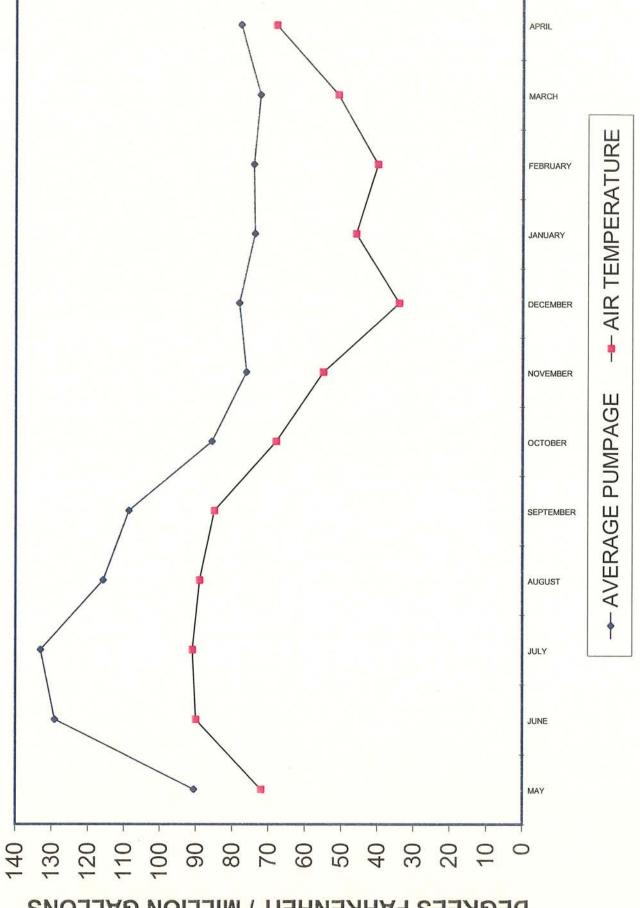
	2000	2010	2020
ADDISON	4.225	4.769	5.009
ARGONNE NAT'L LAB (2)	0.758	0.758	0.758
BENSENVILLE	2.654	2.754	2.858
BLOOMINGDALE	2.581	3.024	3.488
CAROL STREAM	4.191	4.871	5.565
CLARENDON HILLS	0.691	0.740	0.792
DARIEN	2.627	2.934	3.254
DOWNERS GROVE	6.516	7.129	7.751
ELMHURST	4.610	4.756	4.906
GLENDALE HEIGHTS	2.850	2.985	3.164
GLEN ELLYN	2.887	3.211	3.540
HINSDALE	2.626	2.684	2.739
IAWC-ARROWHEAD	0.196	0.196	0.196
IAWC-COUNTRY CLUB	0.117	0.117	0.117
IAWC-DUPAGE/LISLE	0.598	0.613	0.644
IAWC-LOMBARD HEIGHTS	0.046	0.055	0.063
IAWC-LIBERTY RIDGE EAST	0.320	0.386	0.440
IAWC-LIBERTY RIDGE WEST	0.072	0.072	0.072
IAWC-VALLEY VIEW	0.700	0.700	0.700
ITASCA	1.650	1.879	1.907
LISLE	3.023	3.426	3.841
LOMBARD	4.738	5.081	5.430
NAPERVILLE	16.234	21.167	22.432
OAK BROOK	3.984	4.282	4.585
OAKBROOK TERRACE	0.102	0.293	0.293
ROSELLE	2.072	2.401	2.739
VILLA PARK	2.085	2.146	2.206
WESTMONT	2.823	2.945	3.069
WHEATON	5.656	6.090	6.530
WILLOWBROOK	1.235	1.397	1.508
WINFIELD	1.058	1.197	1.341
WOOD DALE	1.576	1.733	1.894
WOODRIDGE	2.840	3.576	4.331
TOTALS	88.341	100.367	108.162

- (1) State Water allocations are expressed in terms of average quantity per day. Actual use in a day may exceed average daily use.
- (2) The State of Illinois has determined that no water allocation permit is required for Argonne National Laboratory to draw water from Lake Michigan. The figures set forth in this table for Argonne National Laboratory represent the maximum amount of water the Commission is obligated to sell to it.





# DEGREES FAHRENHEIT / MILLION GALLONS





600 E. BUTTERFIELD ROAD • ELMHURST, IL • 60126-4642 (630) 834-0100 • FAX: (630) 834-0120

October 12, 2006

Mr. Robert L. Martin, P.E. General Manager DuPage Water Commission 600 E. Butterfield Road Elmhurst, IL 60126

Dear Mr. Martin:

The Instrumentation and Remote Facilities Department completed semi-annual and annual inspections of the 78 meter station buildings, 33 remotely operated valve vaults and cabinets, and five tank site facilities. All monthly inspections of the 90" and 72" transmission main ROV's, tank site facilities and the cathodic protection sites on the 72" transmission main were completed. The operation and regular calibration was maintained on all instrumentation within the pump station facilities and remote facilities listed above.

The department also repairs, maintains, and tests quarterly; the pump station security system, which includes perimeter doors with proximity card access, monitored doors, hatches, skylights & windows, perimeter fence alarm and surveillance video cameras.

The annual customer meter calibration program was completed on schedule and only one meter was found under-registering causing a debit of \$6,827.85. No meters were found that were over-registering.

The Information Technology area of the department manages and maintains the operation of the Supervisory Control and Data Acquisition (SCADA) network host and workstation computers used for the monitoring and control of the water system. The department also manages and maintains the administrative local area network server computers, firewalls, routers, switches and backup devices. In addition, the department provides user support for Internet, E-mail, workstation, and program application issues.

The Lexington Pump Station discharge flow meters used by Chicago Water Department to measure the amount of water purchased by the Commission were calibrated monthly by the instrumentation technicians and witnessed by representatives of the Chicago Water Department Maintenance and Operational Methodology (MOM) group.

In addition, the following list briefly describes special projects that the department was involved in during this fiscal year to improve reliability or to stay current with technology.

- Installation of a perimeter security fence around Tank Site #1; May, 2005
- Acquired elevations of center of pipe and pressure transmitters at all ROV's for hydraulic modeling; June, 2005
- Replacement of barbed wire at all tank sites; July, 2005
- Main Uninterruptible Power Supply (UPS) system replaced with a redundant system; July, 2005
- Security assessment of the administrative network; August, 2005
- Quick Response Electrical contractor for repairs of electric meter sockets at many meter stations; September, 2005
- Cleaning of all ROV vaults with a rented vacuum excavation machine;
   September; 2005
- Installation of new cathodic protection rectifiers at the standpipes;
   November, 2005
- Implemented direct inward dialing phone numbers; November, 2005
- Implemented enhanced 911 service for pump station; January, 2006
- Upgraded network server operating systems, tape backup, exchange email and redundant firewall added; March, 2006
- Acquired elevations of center of pipe and pressure transmitters at all meter stations for hydraulic modeling; March, 2006
- Waterproofing water leaks in foundations at many meter stations; April,
   2006

Very truly yours, John W. Schou

John W. Schori

Instrumentation and Remote Facilities Supervisor

## INSTRUMENTATION AND REMOTE FACILITIES INFORMATION

#### REMOTE FACILITIES:

Location	Meter Stations	Remotely Operated Valves	Standpipes	Cathodic Protection Rectifiers	Pump Station
Addison	5	1			
Argonne	11				
Bensenville	1	1			
Bloomingdale	2				
Carol Stream	2				
Clarendon Hills	2				
Darien	2	1			
Downers Grove	6	3			
Elmhurst	3	3			
Glen Ellyn	2	1			
Glendale Heights	3	1	1	1	
Hinsdale	1				
Illinois American Water	7				
Itasca	3	11			
Lisle	3		2	2	
Lombard	4	2			
Naperville	8	4	1	1	
Oak Brook	3	1			
Oakbrook Terrace	2	1			
Roselle	3	1	1	1	1
Villa Park	3	1			
Westmont	2				
Wheaton	3	2			
Willowbrook	1	1			
Winfield	1				
Wood Dale	2				
Woodridge	3	1			
Cicero				1	
Bellwood		1			
Broadview		1		1	
Forest Park		1		2	
Hillside				1	
Lexington Pump Station		3			
Maywood				1	
Warrenville		1			
Totals	78	33	5	11	1

#### TURBINE WATER METERS:

Size	Quantity	Location	Calibration Schedule
6"	40	Meter Stations	Annual
6"	15	Spares	Annual
8"	103	Meter Stations	Annual
8"	13	Spares	Annual
10"	60	Meter Stations	Annual
10"	18	Spares	Annual

#### PRESSURE TRANSMITTERS:

Location	Quantity	Calibration Schedule
Meter Stations	151	Annual
ROV's	29	Annual
Pump Station	2	Quarterly

#### LEVEL TRANSMITTERS:

Location	Quantity	Calibration Schedule
Pump Station	2	Quarterly
Standpipes	5	Quarterly
NaOCL Tanks	4	Annual

#### FLOW TRANSMITTERS:

Location	Quantity	Calibration Schedule
Pump Station	2	Quarterly
90" Supply		
Pump Station	2	Quarterly
72" Supply		
Pump Station	2	Quarterly
East		
Discharge		
Pump Station	2	Quarterly
West		
Discharge		
Lexington	2	Monthly
Discharge		

#### ON-LINE WATER QUALITY INSTRUMENTATION:

Device	Location	Calibration Schedule
CL2 Analyzer	90" Supply	Quarterly *
CL2 Analyzer	72" Supply	Quarterly *
CL2 Analyzer	Discharge	Quarterly *
CL2 Analyzers	5-Standpipes	Quarterly **
Turbidity	90" Supply	Quarterly
Turbidity	72" Supply	Quarterly
Turbidity	Discharge	Quarterly
PH Analyzer	90" Supply	Quarterly
Temperature	90" Supply	Quarterly
Temperature	Discharge	Quarterly

#### WORK ORDERS:

Type	Quantity
Scheduled PM or Cal. Completed	2,528
Scheduled PM or Cal. Not Completed	255
Corrective Completed	448
Corrective Not Completed	79

<sup>\*</sup> Checked Weekly \*\* Checked Monthly

#### **METER STATION INFORMATION**

CUSTOMER	METER I	NUMBER OF <u>METERS</u>	METER SIZE (INCHES)	CUSTOMER	METER STATION	NUMBER OF METERS	METER SIZE (INCHES)
Village of Addison	1a	2	10	Village of Itasca	25a	2	6
-	1b	2	10		25b 25c	2 2	6 8
	1c 1d	2 2	6 10		250	4	0
	1e	2	6	Village of Lisle	13a	3	8
				· ·	13b	3	8
Argonne Nat'l Laboratory	28a	2	8		13c	2	10
Village of Bensenville	2a	5	8	Village of Lombard	14a 14b	3 2	8 8
Village of Bloomingdale	3a	3	8		14c	2	6
Village of bloomingdale	3b	3	6		14d	3	10
				03 (1)	45-	2	10
Village of Carol Stream	4a	3 3	8 8	City of Naperville	15a 15b	3 5	10 10
	4b	3	O		15c	5	8
Village of Clarendon Hills	6a	2	6		15d	3	6
Village of Glareriaeri Time	6b	2	6		15e	3	10
					15f	5	8
City of Darien	7a	3	8		15g	3	10
·	7b	2	8		15h	5	10
Village of Downers Grove	8a	3	8	Village of Oak Brook	16a	3	10
Village of Bowliers Crove	8b	2	8		16b	2	8
	8c	2	10		16c	3	10
	8d	3	10				
	8e	3	8	City of Oakbrook Terrace	e 17a	2	6
	8f	2	8		17b	2	8
City of Elmhurst	10a	3	8	Village of Roselle	18a	2	8
Only of Emmaron	10b	3	8	Ü	18b	2	8
	10c	3	8		18c	2	8
Village of Glen Ellyn	26a	2	10	Village of Villa Park	19a	2	8
Village of Oleri Eliyir	26b	5	8	· mage or · mar am	19b	2	6
	200	ū			19c	2	8
Village of Glendale Heights		2	8	APH - 6381	20-	2	0
	11b	3	6	Village of Westmont	20a 20b	3 3	8 8
	11c	2	6		200	3	O
Village of Hinsdale	12a	5	8	City of Wheaton	21a	3	10
	_	_			21b	3	10 8
Illinois American Water Co		2	6		21c	3	0
	5b	2 2	6 6	Village of Willowbrook	22a	3	10
	5c 5d	2	6	Village of WillowsTook	224	J	
	5e	2	6	Village of Winfield	27a	2	8
	5f	1	8			_	_
	5g	1	6	City of Wood Dale	23a	2	8
					23b	2	10
				Village of Woodridge	24a	2	10
					24b	2	10
					24c	2	10
				<b>Total Meter Stations</b>	78		
				Total Meters In Service	203		



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October 12, 2006

Mr. Robert L. Martin, P.E. General Manager DuPage Water Commission 600 E. Butterfield Road Elmhurst, IL 60126

Dear Mr. Martin:

Progress on implementing the Commission's Geographic Information System (GIS) continues at a steady pace. We began work on or completed over 70% of the projects, tasks and datasets identified in the 2004 Patrick Engineering GIS needs assessment and implementation plan. This includes development of several significant GIS data layers and projects along with selection of new maintenance and document management software packages that will be integrated with GIS.

GIS data layers and projects completed or begun in the past year include:

- · System valve data layer
- SCADA data layer
- GIS database design
- Engineering drawing viewer
- System Mapbook
- Easement data layer and mapbook
- GIS metadata project
- · Pipeline map verification
- Pipeline material and size maps
- Pipeline calibration
- As-built drawing data conversion
- Work order and document management system selection
- 3 dimensional data model
- MapDirector web site software installation

The Commission's robust GIS system architecture includes a dual processor data server running Microsoft SQL Server database management software and a separate web server for the internal GIS web site. As the sole full time GIS employee I've been

able to leverage my efforts with two summer interns and reliance on the significant GIS experience of the consultants at Patrick Engineering. The GIS staffing level remains adequate for now but future consideration needs to be given to extending the depth of the Commission's GIS expertise.

Linear referencing stores geographic data such as valve locations by using relative station value positions along linear GIS features without x, y coordinates. GIS practitioners consider it the method ideally suited for building a database of locations and assets along a pipeline system. The major part of my efforts to-date used the linear referencing tool to connect information from sources such as as-built drawing and engineering reports to the GIS system map.

A current GIS project uses linear referencing to calibrate the GIS pipeline map. This pipeline calibration will improve map accuracy and reliability by creating a direct correspondence between GIS map features, stationing values used for each pipeline project and State Plane Coordinates. The result will be an accurate and precise linear referencing system useful well into the future for basic mapping, field work, work order processing, hydraulic modeling, engineering and other activities. The benefits to the Commission may not be immediately apparent, but will accrue as we progress with plans to integrate GIS with other applications.

I remain excited about the challenge of working on projects that will expand our use of GIS technology into the areas of maintenance management, mobile applications for field personnel and document management.

Very truly yours,

Frank J. Frelka GIS Coordinator



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October 12, 2006

Mr. Robert L. Martin, P.E. General Manager DuPage Water Commission 600 E. Butterfield Rd. Elmhurst, IL 60126

Dear Mr. Martin:

In continuation of requirements of the Public Health Security and Bioterrorism Act, the Emergency Response Plan was reviewed twice annually and updated with current information.

Since becoming a member of the National Safety Council, Commission Staff has used this opportunity and resource to re-invigorate the Safety Program and begin the metamorphosis into a Safety Management System. The Safety Management System encompasses: management leadership and commitment, organization and documentation, use of assessments/audits & improvement, hazard recognition/evaluation & control, workplace design & engineering, occupational safety programs, employee involvement, motivation and behavior and health & safety training. While the Commission has a very lean staff, the job functions of the majority of workers can be considered hazardous. The goal of the ongoing effort is to reduce the worker injury level to zero. In FY-05/06, the Commission had three (3) OSHA recordable injuries, one of which involved loss time.

The design for the Cadwell Avenue Relocation project commenced as Division B of the DPPS reservoir addition project. This project re-aligns what was once a York Township street to the City of Elmhurst roadway and will be constructed to meet the City's construction standards. This project also allows for relocation of existing utilities and abandonment of easements for future construction. Bidding is expected FY-06/07 and construction in FY-07/08.

Commission Staff worked with the property owner adjacent to Tank Site #1 in Roselle to design and reimburse for construction of a new access driveway on a previously acquired easement located on the adjacent property. This provided an un-encumbered access to the site and reduced the costs to the Commission by combining projects with the adjacent property owner. Driveway construction was completed and accepted by the Commission.

Commission Staff and consultants developed plans, specifications and bidding documents for a riser modification at tank Site #4E. This system is designed to improve the mixing of water within the standpipe. This item was let for bids in FY-06/07.

While the design of the DPPS remained on hold at 30% completion, numerous surveys, analyses and presentations were performed for the Commissioners and Customers regarding provision of emergency generation facilities at existing Commission Customer well sites, reimbursement of Commission Customers for existing generation facilities at Commission Customer existing well sites or to provide new wells and generation facilities for Commission Customers without existing facilities. Also at the direction of the Commission, Commission staff began the process of developing a request for proposals for firms to provide Value Engineering on the DPPS electrical generation facility 30% design documents.

After approval of the agreement between the Commission and Greeley and Hansen, Commission and City of Chicago Staff kicked-off the Feasibility Study for Electrical Generation Facilities at the Lexington Pumping Station in March 2006.

Commission Staff developed construction cost estimates, construction cost per person estimates, construction scheduling estimates and exhibits for the Subsequent Customer Contract for the County of DuPage.

After development and execution of an intergovernmental agreement between Commission and the Village of Lombard in the previous fiscal year, several design discussions were held with the Village and their consulting Engineers regarding a fifth connection point including feeder main and a metering station to be constructed by the Village. This project is on hold by the Village.

Very truly yours,

R/Christophér Bostick Facilities Construction Supervisor/

Safety Coordinator



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October 12, 2006

Mr. Robert L. Martin, P.E. General Manager DuPage Water Commission 600 E. Butterfield Road Elmhurst, IL. 60126

Dear Mr. Martin,

As Contract TIB-1 nears completion, the Department's emphasis has shifted even further towards one of preventative maintenance. In addition to the Department's routine preventative maintenance work, evidence of our preventative maintenance focus can be found in the contracts that are currently in design.

Contract TW-4, AC Current Mitigation, is currently out for review and comment. This contract is for the installation of approximately 200 sacrificial anodes constructed in 4 separate groundbeds, and is intended to mitigate AC electrical current discovered on certain sections of 48" diameter water main located on Butterfield and Winfield Roads. Construction supervision of the project will be performed under the direction of Pipeline staff.

In addition to the Contract TW-4, over the course of the last fiscal year, the Pipeline Department has been responsible for:

- The award, construction supervision, and close out of Contract TS-6 (South Transmission Main relocation within Plainfield Road).
- The award and construction supervision of Contract BOV-2. This contract is for the rehabilitation of blow off valves located on the 90" Transmission Main. This project is expected to be completed in January 2007.
- The award and construction supervision of Contract QR-7. This work includes the supervision and documentation of routine maintenance work, in addition to emergency response type work.
- The implementation of IRTHNET, a web based computer program which allows for the remote real time editing and assigning of J.U.L.I.E. locate requests. When fully implemented, laptop computers installed in the

Department's locating vehicles will allow the locators in the field to remotely receive and view the entire text of the locate request, and will provide the locators with a view of the approximate location of pipelines.

- o Performing monthly bacteriological samples as required by IEPA.
- Receiving and screening 56,312 J.U.L.I.E. locate requests. Of these, 4,707 requests required field locating of Commission facilities.
- Reviewing and responding to 69 sets of plans submitted by outside agencies for the purpose of determining potential conflicts between the proposed improvements and existing Commission facilities.

Very truly yours,

Edward Kazmierczak Pipeline Supervisor

#### TYPE AND SIZE OF VALVES IN SERVICE

TYPE OF VALVE	SIZE OF VALVE	NUMBER
BUTTERFLY	90"	1
BUTTERFLY	84"	17
BUTTERFLY	72"	20
BUTTERFLY	60"	4
BUTTERFLY	54"	11
BUTTERFLY	48"	10
BUTTERFLY	42"	6
BUTTERFLY	36"	31
BUTTERFLY	30"	30
BUTTERFLY	24"	32
BUTTERFLY	20"	32
BUTTERFLY	16"	38
BUTTERFLY OR GATE	12"	20
<b>BLOW-OFF</b>	6" TO 18"	<u>374</u>
	TOTAL	626

#### TYPE AND SIZE OF PIPES IN SERVICE

TYPE OF PIPE	SIZE OF PIPE	FEET OF PIPE	
PRESTRESSED CONCRETE CYCLINDER PIPE	16" THROUGH 90"	473,989	
STEEL	16" THROUGH 84"	215,471	
DUCTILE IRON	12" THROUGH 42"	166,249	

 $\underline{\textbf{\textit{M}}} \text{OINT} \ \underline{\textbf{\textit{U}}} \text{TILITY} \ \underline{\textbf{\textit{L}}} \text{OCATING} \ \underline{\textbf{\textit{I}}} \text{NFORMATION FOR} \ \underline{\textbf{\textit{E}}} \text{XCAVATORS}$ 

MONTH	04/05 REQUESTS	05/06 REQUESTS	04/05 LOCATES	05/06 LOCATES	04/05 PLAN REVIEWS	05/06 PLAN REVIEWS
MAY	6501	6429	432	412	8	7
JUNE	6598	6439	410	469	7	8
JULY	6193	5222	433	412	7	6
AUGUST	5647	6124	495	472	5	6
SEPTEMBER	5877	5391	454	480	5	7
OCTOBER	5440	5353	465	495	5	5
NOVEMBER	4281	4409	390	365	6	5
DECEMBER	2845	2265	368	269	5	4
JANUARY	1972	2666	302	279	5	4
FEBRUARY	2160	2043	273	254	7	5
MARCH	4115	4114	481	408	7	6
APRIL	<u>6138</u>	<u>5857</u>	<u>481</u>	<u>392</u>	<u>7</u>	<u>6</u>
TOTAL	57,767	56,312	4,984	4,707	74	69



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October 12, 2006

Mr. Robert L. Martin, P.E. General Manager DuPage Water Commission 600 E. Butterfield Road Elmhurst, IL 60126

Dear Mr. Martin:

In June 1999, the Governmental Accounting Standards Board (GASB) adopted Statement 34, which requires that a "Management Discussion and Analysis" (MD&A) be included in the annual audited financial statements. Items found in the MD&A include analyses of changes in net assets, revenues and expenditures, capital assets and debt administration. This report tries not to duplicate information found in the MD&A and should be read in conjunction with the MD&A to fully understand the financial operations of the Commission.

#### FINANCIAL OPERATIONS OVERVIEW

In Fiscal Year 2005-06, the Commission served 25 municipal utilities, 7 private utility service areas and Argonne National Laboratory. The current state statute requires the Commission's Fiscal Year 2002-03 Charter Customer water rate of \$1.65 per 1,000 gallons not to be increased until 2008.

With revenues of \$89.4 million and expenses of \$71.1 million, the Commission's net assets increased by \$18.3 million in fiscal year 2005-06 to \$344.3 million. Restricted net assets and net assets invested in property, plant and equipment were \$32.2 million and \$230.8 million, respectively.

#### **BUDGETARY ANALYSIS**

The table below compares actual fiscal year 2005-06 revenues and expenses to budget. Total revenues were 3.7% more than budget. Total operating expenditures were below budget by 6.8%. All significant dollar variances will be discussed.

Water operations and maintenance revenues were \$48.6 million, \$0.2 million (0.3%) less than budget. Last summer's warm and dry weather is the reason total water sales, 33.20 billion gallons, met the budgeted water sales.

Sales tax collections rose substantially over last year. Collections for the fiscal year were \$35.4 million, \$1.6 million (4.6%) over budget. The Commission's general obligation bond payment was fully funded by sales tax receipts. In addition, \$7.1 million of sales tax revenue was used to reduce the customers' water revenue bond fixed cost payment for fiscal year 2005-06 by 50%.

Market fluctuations caused a decrease in investment market values over the course of the fiscal year resulting in investment income below budget. The budgeted average rate of return was 2.25% for fiscal year 2005-06. At the end of the fiscal year, the portfolio was earning 4.828% based on market yield and 4.110% based on original purchase price, up from 1.655% and 1.232% the previous fiscal year.

Overall direct water supply costs were \$46.0 million, \$0.3 million (0.6%) under budget. The overall water supply costs are directly related to total water sales. Therefore, because last summer's warm and dry wet weather increased sales, it also impacted costs.

Depreciation expense was below budget because not as many capital assets were constructed as anticipated.

All Other Expenses, specifically insurance costs, were significantly less than the current fiscal year budget. The Commission has a self-insurance reserve of \$1.0 million, which had no charges incurred.

#### BUDGET ANALYSIS OF REVENUES AND EXPENSES For Fiscal Year Ending April 30, 2006

			VARIANCE FAVORABLE	% OF
	BUDGET	ACTUAL	(UNFAVORABLE)	BUDGET
REVENUES				
Water Sales - All Categories	\$ 48,740,828	\$ 48,575,114	\$ (165,714)	99.7%
Sales Tax	33,834,395	35,394,007	1,559,612	104.6%
Investment Income	3,625,000	5,429,134	1,804,134	149.8%
All Other Revenues	300	1,236	936	412.0%
Total Revenue	86,200,523	89,399,491	3,198,968	103.7%
EXPENSES				
Water Supply Costs	54,099,115	50,637,086	3,462,029	93.6%
Depreciation	7,235,230	6,702,842	532,388	92.6%
Personnel Services	3,384,809	3,122,625	262,184	92.3%
Bond Interest	8,760,389	8,760,388	1	100.0%
All Other Expenses	2,108,517	1,855,007	253,510	88.0%
Total Expense	75,588,060	71,077,948	4,510,112	94.0%
NET FUND TRANSACTIONS	\$ 10,612,463	\$ 18,321,543	(7,709,080)	N/A

#### CONTINUING BOND DISCLOSURE

The Commission is in full compliance with all requirements of its general obligation and revenue bond ordinances. By issuing the 2001 general obligation bonds, the Commission is obligated to provide continuing disclosure of updated information provided in the bond prospectus. This resulted in the addition of charts showing the Commission's sales tax revenue and equalized assessed valuation history as well as state water allocations for its customers. Certain updated statistics from DuPage County's financial reports, used in the bond prospectus, also appear in this report. Other required disclosures have been reported in the annual audited financial statements.

The Commission is required to levy property taxes on real property within its territory without limitation as to rate or amount, in amounts sufficient to pay, when due, the principal of and interest on the Commission's general obligation bonds, including the Series 2001 Bonds. However, since sales tax revenues have been sufficient to date, all such levies have been abated through the 2005 levy year.

#### **FUND BALANCE MONITORING**

In April 1992, the Commission established a policy regarding what portion of its fund balance should be kept available for emergency repairs and other contingencies. A balance of 5% of the original construction costs (\$413,500,000 including facilities to be owned by the City of Chicago) adjusted annually by the <a href="Engineering News Record">Engineering News Record</a> (ENR) construction index was established to handle system emergencies. In July 2003, the Commission adopted a resolution reducing the Emergency Repairs and Contingencies Reserve from 5% to 2% of the construction values as adjusted annually by the construction index. Based on these criteria, the targeted balance available for emergency repairs was \$28.1 million as of April 30, 2004. The balance for the Emergency Repairs and Contingencies Reserve was \$12.9 million at April 30, 2006.

#### **ANALYSIS OF EQUITY**

GASB Statement 34 requires the delineation of net assets (fund balances) as follows:

Capital Investments; Restricted Funds; Unrestricted Funds.

"Capital Investments" represent funds that have been used to acquire the pipelines, pump station, storage facilities and meter stations constructed and operated by the DuPage Water Commission. Also included in this category are a pump station and water tunnel constructed by the Commission for the City of Chicago. Netted against

these assets are the long-term general obligation and revenue bond liabilities that will be funded from future revenues of the Commission.

The category "Restricted Funds" includes all of the restricted cash, investments and other assets in accounts required by the revenue bond ordinance as well as amounts held for paying the debt service on the Commission's general obligation bonds. Netted against these assets are items that are appropriately payable under the bond ordinances from these funds. Balances held in revenue bond trust and reserve accounts in excess of revenue bond ordinance requirements are treated as "unrestricted". Though presently being held in restricted accounts, such assets may be immediately transferred by Commission directive to non-restricted accounts.

Within "Unrestricted Funds," the Commission expands the GASB Statement 34 reporting requirements to better explain its financial position. Unrestricted funds are reported in several subcategories to identify the purpose of these holdings. These subcategories are:

**Operating Designations** 

for emergency repairs and other contingencies;

for water rate stabilization:

for the acquisition of capital assets.

Non-operating Designations

for water quality loans;

for prior pension costs.

These subcategories include unrestricted Commission assets, other than infrastructure, less both current and long-term liabilities payable from those balances. The amount to be held for emergency repairs and other contingencies is determined using the methodology explained in the *Fund Balance Monitoring* section above. The remaining amounts have been reserved by resolution of the Board of Commissioners as follows: Amounts generated by water rates not needed for emergency repairs and other contingencies are reserved for water rate stabilization. Sales tax proceeds not required for emergency repairs and other contingencies are reserved for the acquisition of capital assets: new additions or retirement of debt on existing facilities including full general obligation bond funding and partial funding of the annual revenue bond requirements.

Very truly yours,

R. Max Richter

Financial Administrator

# DUPAGE WATER COMMISSION NET ASSET ANALYSIS (1) Last Ten Fiscal Years Ended April 30,

ממאות מדרמומדמת	2006	2005	2004	2003	2002	2001	2000	1999	1998	1997
UNRESTRICTED FUNDS DESIGNATED FOR EMERGENCY REPAIRS AND CONTINGENCIES (2)	\$ 12,900,000	\$ 12,300,000	\$ 11,700,000	\$ 28,100,000	\$ 27,300,000	\$ 26,500,000	\$ 25,800,000	\$ 25,100,000	\$ 25,000,000	\$ 24,200,000
DESIGNATED FOR WATER RATE STABILIZATION (3, 5)	31,128,958	42,862,895	44,223,356	45,005,162	46,471,406	38,960,224	28,833,359	20,670,215	9,159,725	16,068,495
DESIGNATED FOR THE ACQUISITION OF CAPITAL ASSETS (4, 5)	26,479,768	15,879,131	14,282,480	49,512,314	53,471,628	47,687,798	38,768,625	37,408,184	36,500,625	•
UNDESIGNATED		1		í	1	ı	290,397	1	388,117	12,198,948
TOTAL UNRESTRICTED OPERATING FUNDS	70,508,726	71,042,026	70,205,836	122,617,476	127,243,034	113,148,022	93,692,381	83,178,399	71,048,467	52,467,443
DESIGNATED FOR WHOLESALE CUSTOMER WATER QUALITY LOANS	9,937,000	9,937,000	9,937,000	10,000,000	1	1	ı	•	1	ı
DESIGNATED TO FUND ILLINOIS MUNICIPAL RETIREMENT FUND PRIOR SERVICE PENSION COSTS	1	1	2,605,192	3,805,524	4			,	1	
TOTAL UNRESTRICTED NON- OPERATING FUNDS	9,937,000	9,937,000	12,542,192	13,805,524	•	•	,	•	•	•
TOTAL UNRESTRICTED FUNDS	80,445,726	80,979,026	82,748,028	136,423,000	127,243,034	113,148,022	93,692,381	83,178,399	71,048,467	52,467,443
RESTRICTED FUNDS	31,930,658	31,551,651	40,940,010	51,202,190	48,906,283	46,893,951	42,361,844	42,329,739	42,531,917	49,036,266
CAPITAL INVESTMENTS	232,009,827	213,534,114	182,164,171	181,152,491	171,558,854	155,797,266	144,049,731	125,529,944	109,135,921	102,154,443
TOTAL NET ASSETS	\$344,386,211	\$326,064,791	\$ 305,852,209	\$ 368,777,681	\$ 347,708,171	\$ 315,839,239	\$ 280,103,956	\$ 251,038,082	\$ 222,716,305	\$ 203,658,152

<sup>(1)</sup> FY 1995 through FY 2001 restated for implementation of GASB Statement #34 during FY 2002.

<sup>(2)</sup> Established in FY 1994 at 5% of original construction costs as of May 1, 1992; increased annually by Engineering New Record Construction Index. Changed to 2% of original construction costs as of July 31, 2003.

<sup>(3)</sup> Established in FY 1996 with sales tax revenues not required for emergency repairs.

<sup>(4)</sup> In FY 1994, committed \$32 million of sales tax funds to construct a second supply main from the City of Chicago.

<sup>(5)</sup> In FY 1998, committed sales tax revenues not required for emergency repairs to facilities construction. Rate Stabilization Reserve re-established using water revenues only.

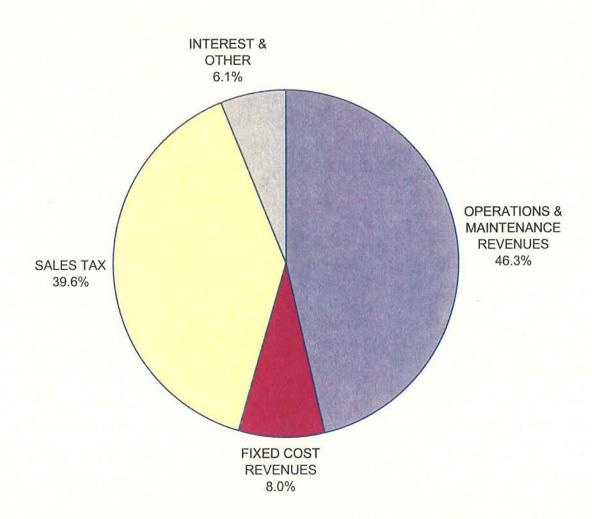
# DUPAGE WATER COMMISSION INCOME STATEMENT BUDGET COMPARISON For Fiscal Year Ending April 30, 2006

		Y-T-D ACTUAL	Y-T-D BUDGET	BUDGET VARIANCE FAVORABLE (UNFAVORABLE)	% BUDGET VARIANCE	
REVENUE OPERATIONS & MAINTENANCE REVENUES FIXED COST REVENUES	<del>69</del>	40,848,001 \$ 7,144,469	40,885,773	\$ (37,772)	-0.1% 0.0%	
SUBSEQUENT CUSTOMER DIFFERENTIALS		582,645	710,586	(127,941)	-18.0%	
SALES PASES INVESTMENT INCOME		5,429,134	3,625,000	1,333,012	4.0% 49.8%	
OTHER INCOME		- 1	300		312.0%	
TOTAL REVENUE	8	89,399,492 \$	86,200,523	\$ 3,198,969	3.7%	
EXPENSES DIRECT WATER DISTRIBUTION COSTS	↔	50,637,086 \$	54,099,115	\$ 3,462,029	-6.4%	
BOND INTEREST		8,760,388	8,760,389	_	%0.0	
DEPRECIATION		6,702,842	7,235,230	532,388	-7.4%	
PERSONAL SERVICES		3,122,625	3,384,809	262,184	-7.7%	
INSURANCE		834,839	971,497	136,658	-14.1%	
PROFESSIONAL & CONTRACTUAL SERVICES		518,112	915,137	397,025	-43.4%	
ADMINISTRATIVE COSTS		497,924	211,888	(286,036)	135.0%	
LAND AND RIGHT OF WAY		4,133	9,995	5,862	-58.6%	
TOTAL OPERATING EXPENSES		71,077,949	75,588,060	4,510,111	%0.9-	
NET OPERATING INCOME	₩	18,321,543 \$	10,612,463	\$ 7,709,080	72.6%	
BEGINNING NET ASSETS	↔	326,064,668				
ENDING NET ASSETS	ક	344,386,211				

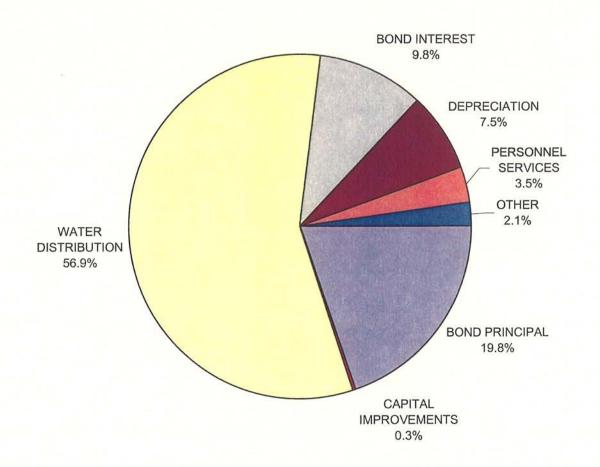
### DUPAGE WATER COMMISSION COMPARATIVE USES OF NET INCOME For Fiscal Years Ended April 30,

	2006	 2005	INCREASE (DECREASE)	% CHANGE
DESIGNATED FOR EMERGENCY REPAIRS AND CONTINGENCIES	\$ 600,000	\$ 600,000	\$ -	0.0%
DESIGNATED FOR WATER RATE STABILIZATION	(10,867,427)	(453,416)	(10,414,011)	2296.8%
DESIGNATED FOR THE ACQUISITION OF CAPITAL ASSETS	10,600,637	689,483	9,911,154	1437.5%
DESIGNATED FOR WHOLESALE CUSTOMER WATER QUALITY LOANS	-	-	-	0.0%
DESIGNATED TO FUND ILLINOIS MUNICIPAL RETIREMENT FUND PRIOR SERVICE PENSION COSTS	-	(2,605,192)	2,605,192	-100.0%
RESTRICTED FUNDS	627,560	(9,388,359)	10,015,919	-106.7%
CAPITAL INVESTMENTS	17,306,735	31,369,943	(14,063,208)	-44.8%
TOTAL USES	\$ 18,267,505	\$ 20,212,459	\$ (1,944,954)	-9.6%

### DUPAGE WATER COMMISSION FY 2005-2006 REVENUES \$89,399,492



### DUPAGE WATER COMMISSION FY 2005-2006 EXPENDITURES\* \$102,965,880



<sup>\*</sup> Expenditures include bond principal and capital improvements, which are not considered as expenses on the combining income statement analysis.

### **CUSTOMER ADDITIONS**

	<b>NEW CUSTOMER</b>	
	CONTRACT DATE	FIRST SERVED
ARGONNE NAT'L LAB	July-95	January-97
DuPAGE COUNTY	July-06	
IAWC-ARROWHEAD	October-92	April-95
IAWC-COUNTRY CLUB	October-92	April-95
IAWC-DuPAGE/LISLE	January-96	May-96
IAWC-LIBERTY RIDGE EAST	April-01	December-01
IAWC-LIBERTY RIDGE WEST	December-98	December-99
IAWC-LOMBARD HEIGHTS	October-92	May-95
IAWC-VALLEY VIEW	October-92	April-95
OAKBROOK TERRACE	December-97	October-99
WINFIELD	July-95	October-96

# WATER SALES BY CUSTOMER Fiscal Year Ended Apil 30, 2006

					, p. 1 00, 100				
		TOTAL O&M	PERCENTAGE OF TOTAL	TOTAL FIXED COSTS	PERCENTAGE OF TOTAL	TOTAL	PERCENTAGE OF TOTAL SUBSEQUENT	TOTAL	PERCENTAGE OF TOTAL WATER
		8 1800	O & M COSI S		FIXED COSTS	CUSTOMER	CUSTOMER	REVENUE	REVENUE
ADDISON	↔	1,749,048	4.28%	\$ 311,370	4.36%	φ	0.00%	\$ 2,060,418	4.24%
ARGONNE NAT'L LABORATORY		222,860	0.55%	41,793	0.58%	123,733	21.60%	388,386.14	0.80%
BENSENVILLE		1,109,354	2.72%	203,370	2.85%		0.00%	1,312,723.74	2.70%
BLOOMINGDALE		1,205,752	2.95%	211,932	2.97%	1	0.00%	1,417,683.42	2.92%
CAROL STREAM		1,809,142	4.43%	328,240	4.59%	1	0.00%	2,137,381.53	4.40%
CLARENDON HILLS		384,888	0.94%	65,868	0.92%	1	%00.0	450,756.27	0.93%
DARIEN		1,096,433	2.68%	174,801	2.45%	1	%00:0	1,271,234.31	2.62%
DOWNERS GROVE		2,954,734	7.23%	515,757	7.22%	3	%00.0	3,470,491.05	7.15%
ELMHURST		2,080,420	2.09%	372,915	5.22%	•	%00.0	2,453,334.42	2.05%
GLEN ELLYN		1,310,628	3.21%	239,313	3.35%	ŧ	%00.0	1,549,940.85	3.19%
GLENDALE HTS		1,208,359	2.96%	220,494	3.09%		%00'0	1,428,853.02	2.94%
HINSDALE		1,292,978	3.17%	220,917	3.09%	ŧ	%00.0	1,513,895.94	3.12%
CUCI-ARROWHEAD		83,046	0.20%	14,411	0.20%	35,349	6.17%	132,806.39	0.27%
CUCI-COUNTRY CLUB		45,316	0.11%	8,562	0.12%	28,389	4.96%	82,266.18	0.17%
CUCI-DP/LISLE		212,027	0.52%	41,793	0.58%	82,812	14.46%	336,632.58	%69.0
CUCI-LIBERTY RIDGE EAST		14,901	0.04%	2,713	0.04%	34,474	6.02%	52,087.84	0.11%
CUCI-LIBERTY RIDGE WEST		139,954	0.34%	24,669	0.35%	63,646	11.11%	228,268.73	0.47%
CUCI-LMBRD HGHTS		28,387	0.07%	5,341	0.07%	27,098	4.73%	60,825.77	0.13%
CUCI-VALLEY VIEW		336,068	0.82%	54,594	0.76%	81,719	14.27%	472,380.15	0.97%
ITASCA		723,672	1.77%	126,650	1.77%		%00:0	850,322.01	1.75%
LISLE		1,390,626	3.40%	231,599	3.24%	4	0.00%	1,622,224.62	3.34%
LOMBARD		2,008,046	4.92%	357,910	5.01%	1	%00'0	2,365,956.42	4.87%
NAPERVILLE		8,493,188	20.79%	1,425,028	19.95%	•	%00'0	9,918,216.33	20.42%
OAK BROOK		1,859,066	4.55%	337,395	4.72%	•	0.00%	2,196,461.40	4.52%
OAKBROOK TERRACE		68,361	0.17%	11,529	0.16%	30,211	5.27%	110,101.25	0.23%
ROSELLE		959,335	2.35%	191,078	2.67%	1	0.00%	1,150,412.37	2.37%
VILLA PARK		907,527	2.22%	165,307	2.31%	1	0.00%	1,072,833.81	2.21%
WESTMONT		1,234,582	3.02%	227,699	3.19%	ŧ	%00.0	1,462,281.01	3.01%
WHEATON		2,621,980	6.42%	450,143	6.30%		%00'0	3,072,122.73	6.33%
WILLOWBROOK		532,499	1.30%	94,606	1.32%	1	0.00%	627,105.42	1.29%
WINFIELD		749,700	1.84%	75,448	1.06%	65,361	11.41%	890,508.31	1.83%
WOOD DALE		1,589,203	3.89%	123,429	1.73%	1	%00.0	1,712,632.00	3.53%
WOODRIDGE		425,921	1.04%	267,797	3.75%	•	%00.0	693,717.51	1.43%
TOTALS	€.	40 848 001	100 00%	7 144 469	100 00%	\$ 570 794	100 00%	\$ 48 565 261	400 00%
	,		20000		27.22.2			Ш	2, 20.00.

### WATER SALES ACCOUNTABILITY

### AVERAGE GALLONS SOLD TO CUSTOMERS PER DAY

90,972,266

MONTH	SALES TO CUSTOMERS (1) (GALLONS)	PURCHASES FROM CHICAGO (GALLONS)	GALLONS BILLED %	BILLINGS TO CUSTOMERS (1)	BILLINGS FROM CHICAGO
	0.754.450.000	0.000 704 077	07.000/	<b>#</b> 2 222 222	<b>#2.000.470</b>
May-05	2,751,156,000	2,826,791,957	97.32%	\$3,383,922	\$3,669,176
Jun-05	3,775,195,000	3,884,927,612	97.18%	4,645,553	5,042,636
Jul-05	4,078,909,000	4,145,332,157	98.40%	5,017,058	5,380,641
Aug-05	3,498,090,000	3,609,900,000	96.90%	4,302,651	4,685,677
Sep-05	3,202,484,000	3,289,206,394	97.36%	3,939,055	4,269,390
Oct-05	2,545,686,000	2,647,388,860	96.16%	3,131,194	3,436,311
Nov-05	2,238,636,000	2,261,375,216	98.99%	2,753,522	2,935,265
Dec-05	2,362,455,000	2,422,577,673	97.52%	2,905,820	3,144,506
Jan-06	2,241,162,000	2,303,320,263	97.30%	2,756,629	3,063,416
Feb-06	2,033,220,000	2,083,799,323	97.57%	2,500,916	2,771,453
Mar-06	2,189,124,000	2,245,513,008	97.49%	2,693,252	2,986,532
Apr-06	2,288,760,000	2,342,619,023	97.70%	2,815,175	3,115,683
TOTALS	33,204,877,000	34,062,751,486	97.48%	\$ 40,844,746	\$ 44,500,686

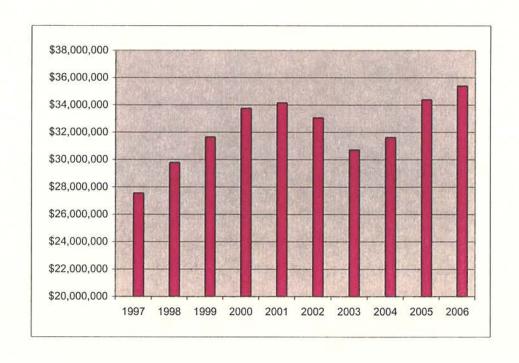
<sup>(1)</sup> Includes emergency contract customer Village of Schaumburg. Does not include meter adjustments billings.

## DUPAGE WATER COMMISSION CUSTOMER REBATES

FISCAL YEAR	REBATE AMOUNT
1994	\$13,596,336
1995	21,377,267
1996	13,557,917
1997	10,168,438
1998	7,626,329
TOTAL	\$66,326,287

### DUPAGE WATER COMMISSION SALES TAX REVENUE LAST TEN FISCAL YEARS

FISCAL YEAR	AMOUNT
1997	27,546,843
1998	29,782,379
1999	31,645,779
2000	33,751,634
2001	34,147,121
2002	33,062,484
2003	30,704,457
2004	31,620,982
2005	34,384,906
2006	35,394,007

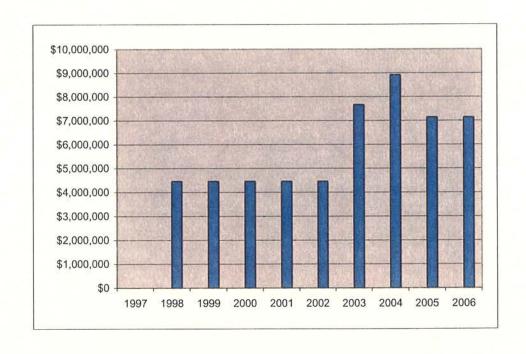


### Dupage Water Commission General Obligation Bond PROPERTY TAX ABATEMENTS Last Ten Levy Years

LEVY YEAR	AMOUNT
1996	14,252,850
1997	14,258,600
1998	14,256,415
1999	14,256,943
2000	14,255,693
2001	13,122,650
2002	13,112,650
2003	13,122,150
2004	13,124,150
2005	13,117,900

# DUPAGE WATER COMMISSION REVENUE BONDS PAID BY SALES TAX FUNDS Last Ten Fiscal Years

FISCAL YEAR	AMOUNT
1997	0
1998	4,458,183
1999	4,458,858
2000	4,457,582
2001	4,458,172
2002	4,458,852
2003	7,668,150
2004	8,916,329
2005	7,144,469
2006	7,145,094



# DUPAGE WATER COMMISSION EQUALIZED ASSESSED PROPERTY VALUATION WITHIN DUPAGE COUNTY ONLY Last Ten Fiscal Years

TOTAL EQUALIZED ASSESSED VALUATION		17,079,027,874	18,480,518,000	19,296,729,543	20,275,862,838	21,362,249,382	22,947,185,168	25,045,601,479	27,007,483,818	29,143,119,985	31,321,697,164
RAILROAD PROPERTY	100 1	01.64/80//	8,192,572	9,081,750	10,100,806	10,283,397	10,783,566	11,689,521	10,291,853	10,439,685	9,740,790
FARM	0 0 1 0 0 0	5,647,501	3,786,077	3,653,065	3,364,221	3,059,154	2,761,597	2,637,103	2,228,102	2,159,513	2,059,397
INDUSTRIAL	072 276 7	1,5/1,120,/10	1,440,152,291	1,524,499,538	1,636,212,570	1,725,892,667	1,939,135,604	2,096,061,645	2,110,768,835	2,255,578,223	2,360,095,217
COMMERCIAL	2 578 516 340	5,570,510,548	3,718,368,112	3,941,972,806	4,182,356,885	4,474,070,124	4,706,568,197	5,073,598,476	5,111,733,784	5,401,426,072	5,595,335,071
RESIDENTIAL	12 711 240 532	700,647,11,77	13,310,018,948	13,817,522,384	14,443,828,356	15,148,944,040	16,287,936,204	17,861,614,734	19,772,461,244	21,473,516,492	23,354,466,689
COLLECTION YEAR	1007	1661	1998	1999	2000	2001	2002	2003	2004	2005	2006
LEVY YEAR	1006	000	1997	1998	1999	2000	2001	2002	2003	2004	2002

SOURCE: DuPage County Comprehensive Annual Financial Report for the fiscal year ended November 30, 2005

# DUPAGE COUNTY, ILLINOIS COMPUTATION OF DIRECT AND OVERLAPPING DEBT (1) November 30, 2005

District	Total Debt Outstanding (2)	Percentage Applicable To County (3)	Amount Applicable To County (2)
County	\$ 198,920,000	100.00%	\$ 198,920,000
Subtotal, County	198,920,000	-	198,920,000
Forest Preserve	178,586,835	100.00%	178,586,835
Water Commission	85,225,000	98.41%	83,869,923
Cities & Villages	6,685,536,764	(2) 9.61%	642,412,245
Townships	465,000	100.00%	465,000
Parks	837,068,428	(2) 26.86%	224,816,483
Fire Protection	18,700,000	90.84%	16,986,761
Airport	12,320,000	93.57%	11,527,824
Library	25,255,000	52.63%	13,290,712
Special Service	4,383,025	100.00%	4,383,025
Grade Schools	398,205,470	92.78%	369,435,357
High Schools	257,079,508	98.91%	254,274,785
Unit Schools	1,370,521,507	50.40%	690,778,547
Community Colleges	131,008,678	(2) 5.21%	6,827,551
Subtotal, Overlapping	10,004,355,215		2,497,655,048
Totals	\$10,203,275,215		\$ 2,696,575,048

- (1) Information abstracted from County Clerk's records.
- (2) Includes City of Chicago for which a minor portion overlaps into DuPage County.
- (3) Debt Percentage Applicable to County is calculated by applying the ratio of assessed value of the specific district to that portion which is in DuPage. Percentages have been rounded to the nearest hundredth.

## DUPAGE COUNTY, ILLINOIS VALUATION AND SELECTED DEBT RATIOS November 30, 2005

Assessed Value of All Taxable Property in 2005 Estimated 2005 Full Value 2005 Population (1) \$ 34,791,533,054 \$ 104,374,599,162 929,113

	Dir	rect Only	Direct and Inderlying
Ratio of Bonded Debt to Assessed Value		0.572%	7.751%
Ratio of Bonded Debt to Estimated Full Value		0.191%	2.584%
Per Capita Bonded Debt	\$	214.10	\$ 2,902.31

(1) Estimated by the DuPage County Development Department.

### DUPAGE COUNTY, ILLINOIS PRINCIPAL TAXPAYERS November 30, 2005

T		2005 Assessed	Percentage of Total Assessed
Taxpayer	Type of Business	 Valuation (1)	Valuation
Hamilton Partners, Inc.	Commercial Development	\$ 146,273,000	0.42%
Oakbrool Shopping Center	Shopping Center Property	\$ 109,028,000	0.31%
AIMCO	Property Development	\$ 83,709,000	0.24%
NS-MPG INC (Lucent	Communications Research and Development	82,520,000	0.24%
Duke Realty Ltd	Commercial Development	63,683,000	0.18%
AMB Prop RE Tax CO	Commercial Property	60,547,000	0.17%
Commonwealth Edison	Utility	54,465,000	0.16%
Centerpoint Properties	Industrial Property Development	51,531,000	0.15%
National Tax Search	Property Tax Consulting	44,037,000	0.13%
McDonald's Corporation	Food Service	41,549,000	0.12%
Inland Real Estate	Commercial Property	38,578,000	0.11%
Crane & Norcross	Commercial Property	37,961,000	0.11%
Property Tax Advisors	Property Tax Consulting	36,153,000	0.10%
ZML Oakbrook Terrace	Commercial Property	 35,288,000	0.10%
	Total	\$ 885,322,000	2.54%

<sup>(1)</sup> The assessed valuation is an approximation based on the records maintained by the County. Since most large taxpayers have numerous parcels of real property, it is possible to miss some valuations as well as some of the largest

# DUPAGE COUNTY, ILLINOIS PROPERTY TAX RATES PER \$100 ASSESSED AS EXTENDED ALL DIRECT AND OVERLAPPING GOVERNMENTS Last Ten Fiscal Years

	2005	2004	2003	2002	2001	2000	1999	1998	1997	1996
DuPage County	\$ 0.1797	0.1850	\$ 0.1999	\$ 0.2154	\$ 0.2353	\$ 0.2536	\$ 0.2682	\$ 0.2831	\$ 0.2970	\$ 0.3183
Cities & Villages	0.5607	0.1358	0.5862		0.6081	0.6081	0.6152	0.6194	0.6182	0.6318
High School Districts	0.9395	0.9662	1.0086	•	1.0933	1.1137	1.1320	1.1490	1.1443	1.1384
Unit School Districts	1.6083	1.6305	1.6758	1.6688	1.7113	1.6610	1.6070	1.6292	1.6575	1.6526
Grade School Districts	1.4703	1.4977	1.5017	~	1.5212	1.5304	1.5386	1.5481	1.5561	1.5240
Junior Colleges	0.1960	0.2055	0.2154		0.1996	0.2028	0.2065	0.2097	0.2112	0.2126
Townships	0.0995	0.1017	0.1068	_	0.1188	0.1224	0.1233	0.1268	0.1311	0.1384
Sanitary Districts	0.0025	0.0025	0.0027	J	0.0029	0.0030	0.0030	0.0030	0.0031	0.0031
Park Districts	0.2933	0.2982	0.3057		0.3073	0.3163	0.3154	0.3248	0.3238	0.3219
Library Districts	0.0569	0.5830	0.0583		0.0636	0.0640	0.0632	0.0605	0.0613	0.0618
Forest Preserve District	0.1271	0.1358	0.1419		0.1654	0.1742	0.1797	0.1849	0.1871	0.1648
Fire Protection Districts	0.2235	0.2288	0.2363	0.2429	0.2416	0.2429	0.2501	0.2510	0.2544	0.2507
DuPage Water Commission	ī	ł	,	i	1	1	1	1	ı	1
Special Service Areas	0.0145	0.0140	0.0150	0.0200	0.0211	0.0236	0.0231	0.0222	0.0220	0.0225
Other Special Districts	0.0222	0.0239	0.0254	0.0267	0.0290	0.0311	0.0326	0.0343	0.0345	0.0361
Total	\$ 5.7940	\$ 6.0086	\$ 6.0797	\$ 6.1771	\$ 6.3185	\$ 6.3471	\$ 6.3579	\$ 6.4460	\$ 6.5016	\$ 6.4770

SOURCE: DuPage County Comprehensive Annual Financial Report for the fiscal year ended November 30, 2005

# DUPAGE COUNTY, ILLINOIS PROPERTY TAX LEVIES AND COLLECTIONS Last Ten Levy Years

Levy Year	Levies (1)	Collections (2)(4)	Percent
1996	61,643,533	60,805,119	98.64%
1997	60,305,028	59,902,749	99.33%
1998	60,201,488	59,816,218	99.36%
1999	60,089,130	59,895,854	99.68%
2000	59,999,404	59,821,035	99.70%
2001	59,904,729	59,768,922	99.77%
2002	59,890,523	59,724,648	99.72%
2003	60,035,691	59,868,006	99.72%
2004	59,925,342	59,800,186	99.79%
2005	65,520,385	(3)	N/A

- (1) Property taxes levied in a given year become liabilities and are actually collected in the subsequent year. Levies do not include Special Service Areas.
- (2) Tax collection amounts are obtained from the Collector's Annual report.
- (3) Tax collections for the 2005 levy will not be made until 2006.
- (4) Tax collections are shown net of Court ordered abatements.

## **DUPAGE WATER COMMISSION TRANSFER TO DUPAGE COUNTY**

FISCAL YEAR	AMOUNT
2004	\$15,000,000
2005	15,000,000
2006	15,000,000
TOTAL	\$45,000,000

Note: Public Act 93-0226 was amended requiring the Commission to transfer \$75,000,000 to the DuPage Board beginning July 2003, \$15,000,000 per year for a period of five years.