

# DuPAGE WATER COMMISSION 2003-2004 ANNUAL REPORT



**FISCAL YEAR 2003 – 2004**  
**ANNUAL REPORT**  
**OF THE**  
**DUPAGE WATER COMMISSION**  
**COOK, DUPAGE AND WILL COUNTIES, ILLINOIS**  
**BOARD OF COMMISSIONERS**

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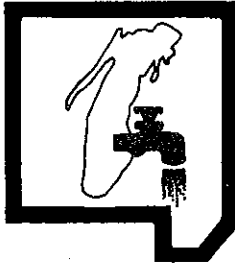
Robert L. Martin, P.E.	-	General Manager
Maureen A. Crowley, Esq.	-	Staff Attorney, Clerk
Cheryl R. Pattelli, CPA	-	Financial Administrator
R. Christopher Bostick	-	Facilities Construction Supervisor
Edward J. Kazmierczak	-	Pipeline Supervisor
Terrance McGhee	-	Operations Supervisor
John W. Schori	-	Instrumentation/Remote Facilities Supervisor

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Cover picture depicts the construction of Contract TIB-1.



## **DU PAGE WATER COMMISSION**

600 E. BUTTERFIELD ROAD • ELMHURST, IL • 60126-4642

(630) 834-0100 • FAX: (630) 834-0120

October 14, 2004

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

Dear Chairman Vondra and Commissioners:

The Commission has seen a dramatic change in management during fiscal year 2003-2004. The previous General Manager, Financial Administrator and Manager of Pipelines retired during this fiscal year. After the retirements, the Commission promoted the Manager of Water Operations to General Manager, the Financial Administrator position was filled and the Commission employed a staff attorney. Management reorganized the Commission staff in light of these changes (see attached organizational chart).

The Operations Department has been reorganized to include only the operation and maintenance of the DuPage Pumping Station. Prior to the reorganization, the Operations Department completed the rehabilitation of the interior and exterior coating systems of the standpipes.

The Instrumentation and Remote Facilities Department was created as a separate department to maintain the instrumentation system and the remote facilities (metering stations, remotely operated valves and standpipes). This department was originally part of the Operations Department. The Instrumentation Department continued with the maintenance of the instrumentation equipment and remote facilities both at the DuPage Pumping Station and at remote facilities.

The Facilities Construction Supervisor is a new position and is responsible for coordinating all facilities construction. The Commission, as part of its Capital Improvement Plan (CIP), completed the evaluation of backup electrical generation and additional concrete reservoirs. The backup electrical generation would provide average day flow during loss of electrical power and the additional concrete reservoirs would provide an additional 30 million gallons of storage. These facilities are presently under design.

The Pipeline Department continued with the repair of blow-off valves throughout the Commission's distribution system. This project was completed one year ahead of schedule and under budget. This year also saw the completion of two major pipeline projects, Contract TW-2 and TSW-3. Contract TIB-1, a 72" transmission main between the Commission two major transmission lines, was commenced as well. This project is designed to provide system-wide redundancy in the event of a break in any of the Commission's major transmission mains.

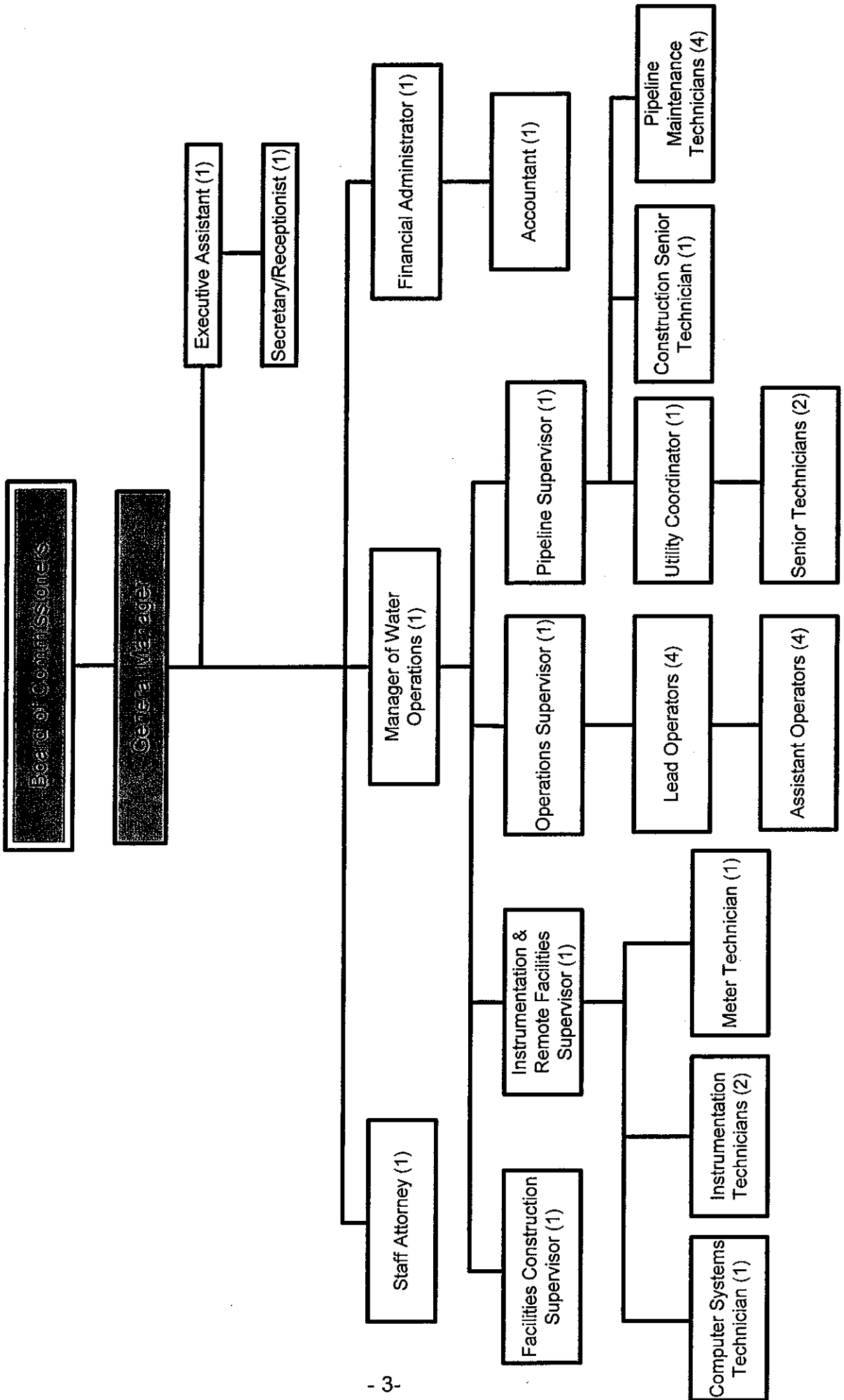
For fiscal year 2003-2004, total revenues were 8.4% less than budget and total operating expenditures were 1.9% below budget. The Commission continued with a Charter Customer water rate of \$1.65 per 1,000 gallons for the fiscal year.

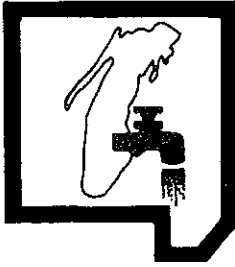
Very truly yours,

A handwritten signature in cursive script that reads "Robert L. Martin". The signature is written in black ink and is positioned above the typed name.

Robert L. Martin, P.E.  
General Manager

DUPAGE WATER COMMISSION  
 ORGANIZATIONAL CHART  
 FISCAL YEAR 2003 - 2004





## DU PAGE WATER COMMISSION

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October 14, 2004

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

Dear Mr. Martin:

The Operations Department completed several maintenance projects this year. These included evaluation of the interior and exterior coating systems and follow-up recoating of the standpipes. In addition to the improvement to the coating systems for the standpipes, the sump pump discharge areas were improved.

At the DuPage Pumping Station, a pump-rebuilding program has been instituted which includes seal and bearing replacement. The spare parts have been moved to the new parts storage area and the inventory control system has been updated. The software for the Direct Digital Control (DDC) system for the control of the heating, ventilating and air conditioning (HVAC) has been changed.

The Emergency Response Plan was developed in accordance with the Public Health Security and Bioterrorism Response Act. As required by the IEPA, the Commission collected monthly and quarterly samples for water quality monitoring and filed all required paper work with no violations.

Very truly yours,

A handwritten signature in black ink, appearing to read "Terrance McGhee". The signature is fluid and cursive, written over a white background.

Terrance McGhee  
Operations Supervisor



## CUSTOMER USAGE

	FY 2004 TOTAL (1,000 GAL) (1)	% OF TOTAL	ALLOCATION (1,000 GAL)	% OF ALLOCATION	2004 ALLOCATION (MGD)	2003 ALLOCATION (MGD)
ADDISON	1,331,435	4.32%	1,634,553	81.46%	4.494	4.427
ARGONNE NAT'L LAB	182,760	0.59%	194,043	94.19%	0.758	0.213
BENSENVILLE	868,619	2.82%	984,474	88.23%	2.694	2.684
BLOOMINGDALE	897,741	2.92%	1,002,909	89.51%	2.759	2.714
CAROL STREAM	1,414,024	4.58%	1,623,054	87.12%	4.463	4.395
CLARENDON HILLS	279,863	0.91%	259,461	107.86%	0.711	0.706
DARIEN	740,134	2.40%	1,001,757	73.88%	2.750	2.719
DOWNERS GROVE	2,240,487	7.28%	2,465,406	90.88%	6.762	6.700
ELMHURST	1,600,502	5.20%	1,706,559	93.79%	4.669	4.654
GLEN ELLYN	1,034,226	3.36%	1,069,320	96.72%	2.930	2.910
GLENDALE HEIGHTS	953,286	3.10%	1,098,960	86.74%	3.016	2.984
HINSDALE	953,065	3.10%	968,616	98.39%	2.649	2.643
IAWC-ARROWHEAD	63,185	0.21%	133,242	47.42%	0.196	0.598
IAWC-COUNTRY CLUB	37,416	0.12%	132,021	28.34%	0.117	0.700
IAWC-DU PAGE/LISLE	174,999	0.57%	295,521	59.22%	0.598	1.099
IAWC-LIBERTY RIDGE EAST	12,274	0.04%	18,147	67.64%	0.050	0.049
IAWC-LIBERTY RIDGE WEST	107,325	0.35%	125,139	85.76%	0.344	0.339
IAWC-LOMBARD HEIGHTS	22,516	0.07%	131,310	17.15%	0.072	0.758
IAWC-VALLEY VIEW	235,664	0.77%	160,116	147.18%	0.700	0.072
ITASCA	540,706	1.76%	634,053	85.28%	1.742	1.719
LISLE	985,434	3.20%	1,159,437	84.99%	3.185	3.144
LOMBARD	1,543,930	5.01%	1,779,048	86.78%	4.875	4.841
NAPERVILLE	6,158,237	20.00%	7,069,104	87.11%	19.674	18.814
OAK BROOK	1,473,496	4.79%	1,497,474	98.40%	4.104	4.074
OAKBROOK TERRACE	48,432	0.16%	64,122	75.53%	0.217	0.117
ROSELLE	844,208	2.74%	801,615	105.31%	2.204	2.171
VILLA PARK	718,037	2.33%	770,976	93.13%	2.109	2.103
WESTMONT	984,307	3.20%	1,049,163	93.82%	2.872	2.859
WHEATON	1,937,176	6.29%	2,127,048	91.07%	5.830	5.786
WILLOWBROOK	402,419	1.31%	480,120	83.82%	1.321	1.299
WINFIELD	322,298	1.05%	267,057	120.69%	1.113	0.196
WOOD DALE	523,854	1.70%	597,426	87.69%	1.639	1.623
WOODRIDGE	1,154,683	3.75%	1,135,722	101.67%	3.134	3.060
<b>TOTAL</b>	<b>30,786,738</b>	<b>100.00%</b>	<b>34,436,973</b>	<b>89.40%</b>	<b>94.751</b>	<b>93.170</b>

(1) Includes meter adjustment billings.

**CUSTOMER WATER STORAGE**

CUSTOMER	EXISTING STORAGE (MG)	2004 ALLOCATION (IN MGD)	% OF SYSTEM	REQUIRED STORAGE	SHALLOW WELL ALLOWANCE	% OF DWC STORAGE	STORAGE ABOVE OR (BELOW) REQ
ADDISON	6.75	4.494	4.74%	8.99	0.90	2.96	1.63
ARGONNE NAT'L LAB	1.02	0.758	0.80%	1.52	0.15	0.50	0.15
BENSENVILLE	3.55	2.694	2.84%	5.39	0.00	1.78	(0.06)
BLOOMINGDALE	4.80	2.759	2.91%	5.52	0.55	1.82	1.65
CAROL STREAM	6.50	4.463	4.71%	8.93	0.89	2.94	1.41
CLARENDON HILLS	1.25	0.711	0.75%	1.42	0.14	0.47	0.44
DARIEN	2.75	2.750	2.90%	5.50	0.55	1.81	(0.39)
DOWNERS GROVE	8.00	6.762	7.14%	13.52	1.35	4.46	0.29
ELMHURST	15.00	4.669	4.93%	9.34	0.93	3.08	9.68
GLEN ELLYN (4)	3.17	2.930	3.09%	5.86	0.59	1.93	(0.17)
GLENDALE HEIGHTS	4.20	3.016	3.18%	6.03	0.60	1.99	0.76
HINSDALE	4.50	2.649	2.80%	5.30	0.53	1.75	1.48
IAWC-ARROWHEAD	0.40	0.196	0.21%	0.39	0.04	0.13	0.18
IAWC-COUNTRY CLUB	0.20	0.117	0.12%	0.23	0.02	0.08	0.07
IAWC-DUPAGE/LISLE (1)	0.91	0.598	0.63%	1.20	0.12	0.39	0.23
IAWC-LOMBARD HEIGHTS (2)	0.08	0.072	0.08%	0.14	0.01	0.05	0.00
IAWC-LIBERTY RIDGE EAST (4)	0.07	0.050	0.05%	0.10	0.01	0.03	0.01
IAWC-LIBERTY RIDGE WEST (3)	0.40	0.344	0.36%	0.69	0.07	0.23	0.01
IAWC-VALLEY VIEW	0.88	0.700	0.74%	1.40	0.14	0.46	0.08
ITASCA	3.50	1.742	1.84%	3.48	0.35	1.15	1.51
LISLE (1)	4.79	3.185	3.36%	6.37	0.64	2.10	1.16
LOMBARD (2)	6.14	4.875	5.15%	9.75	0.98	3.22	0.58
NAPERVILLE	43.90	19.674	20.76%	39.35	3.93	12.98	21.46
OAK BROOK	8.00	4.104	4.33%	8.21	0.82	2.71	3.32
OAKBROOK TERRACE	0.50	0.217	0.23%	0.43	0.04	0.14	0.25
ROSELLE	1.75	2.204	2.33%	4.41	0.44	1.45	(0.76)
VILLA PARK	3.80	2.109	2.23%	4.22	0.42	1.39	1.39
WESTMONT	4.50	2.872	3.03%	5.74	0.57	1.89	1.22
WHEATON	7.26	5.830	6.15%	11.66	1.17	3.85	0.61
WILLOWBROOK	4.00	1.321	1.39%	2.64	0.26	0.87	2.49
WINFIELD (3)	1.60	1.113	1.17%	2.23	0.22	0.73	0.33
WOOD DALE	3.35	1.639	1.73%	3.28	0.33	1.08	1.48
WOODRIDGE	6.15	3.134	3.31%	6.27	0.63	2.07	2.58
CUSTOMER TOTAL	163.67	94.751	100.00%	189.50	18.41	62.50	55.08
COMMISSION TOTAL	62.50						
TOTAL	226.17						

(1) 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 TEMPERATURE °F
MAY, 2003	86.9	106.2	76.1	71
JUNE, 2003	104.1	135.1	79.0	81
JULY, 2003	103.4	144.9	79.3	83
AUGUST, 2003	104.5	127.9	80.6	88
SEPTEMBER, 2003	95.4	112.9	82.2	78
OCTOBER, 2003	81.8	93.8	71.5	67
NOVEMBER, 2003	75.5	79.2	70.0	54
DECEMBER, 2003	75.9	81.6	70.0	42
JANUARY, 2004	77.7	84.5	71.1	32
FEBRUARY, 2004	77.8	84.0	73.4	41
MARCH, 2004	74.0	77.3	67.6	53
APRIL, 2004	79.8	91.1	68.2	66
AVERAGE	86.4	101.5	74.1	63
MAXIMUM	104.5	144.9	82.2	88
MINIMUM	74.0	77.3	67.6	32

AVERAGE DAILY PUMPAGE                      86.4 MGD  
 HIGHEST DAILY PUMPAGE                    144.9 MGD  
 LOWEST DAILY PUMPAGE                    67.6 MGD

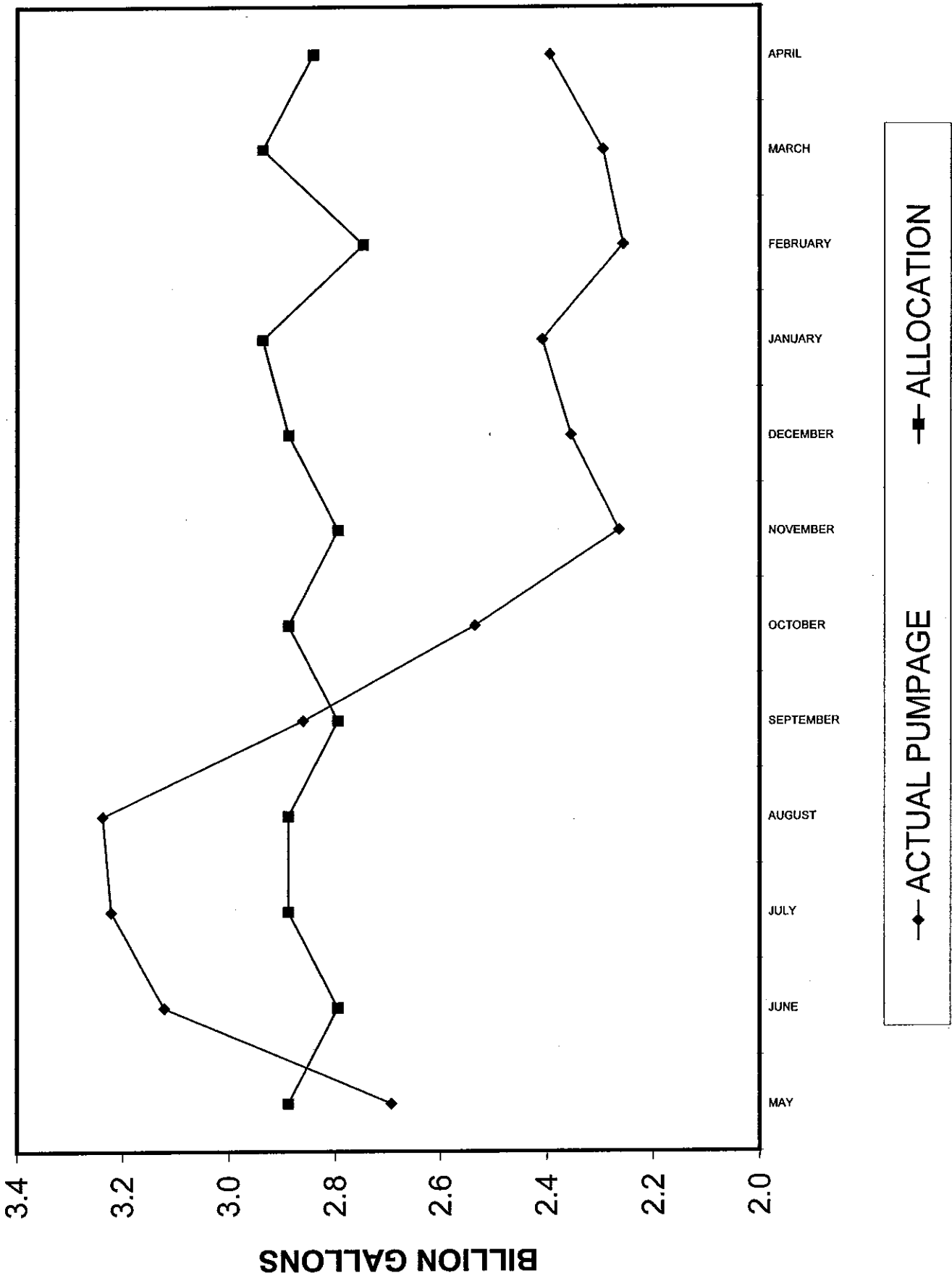
**ILLINOIS DEPARTMENT OF NATURAL RESOURCES  
LAKE MICHIGAN WATER ALLOCATIONS  
(Millions Gallons Per Day) (1)**

	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
GLEN ELLYN	2.850	2.985	3.164
GLENDALE HEIGHTS	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-DU PAGE/LISLE	0.598	0.613	0.644
IAWC-LIBERTY RIDGE EAST	0.046	0.055	0.063
IAWC-LIBERTY RIDGE WEST	0.320	0.386	0.440
IAWC-LOMBARD HEIGHTS	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
<b>TOTALS</b>	<b>88.341</b>	<b>100.367</b>	<b>108.162</b>

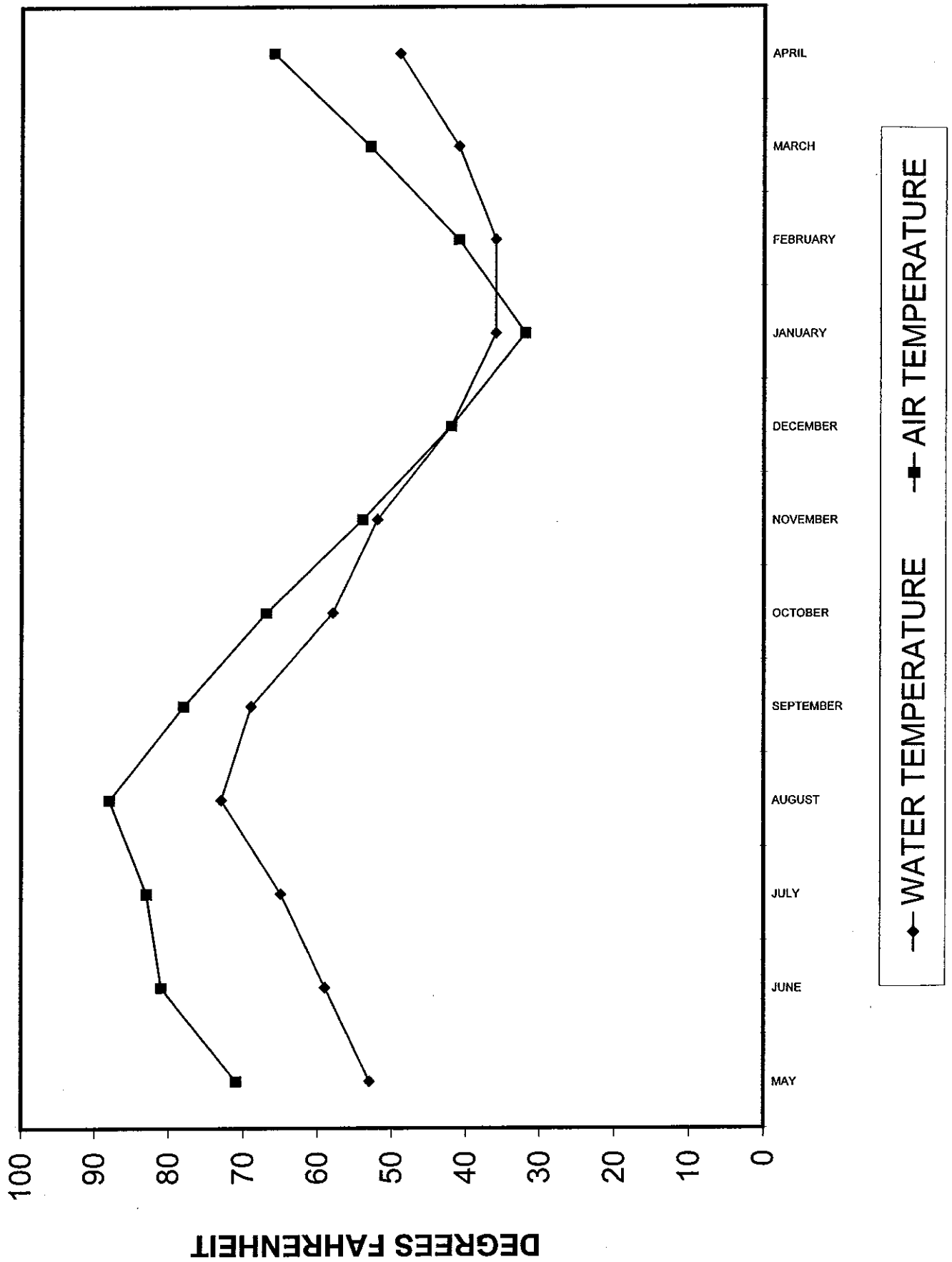
(1) State Water Allocations are expressed in terms of average quantity per day. Actual use in a day may exceed average daily usage.

(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 the water the Commission is obligated to sell to it.

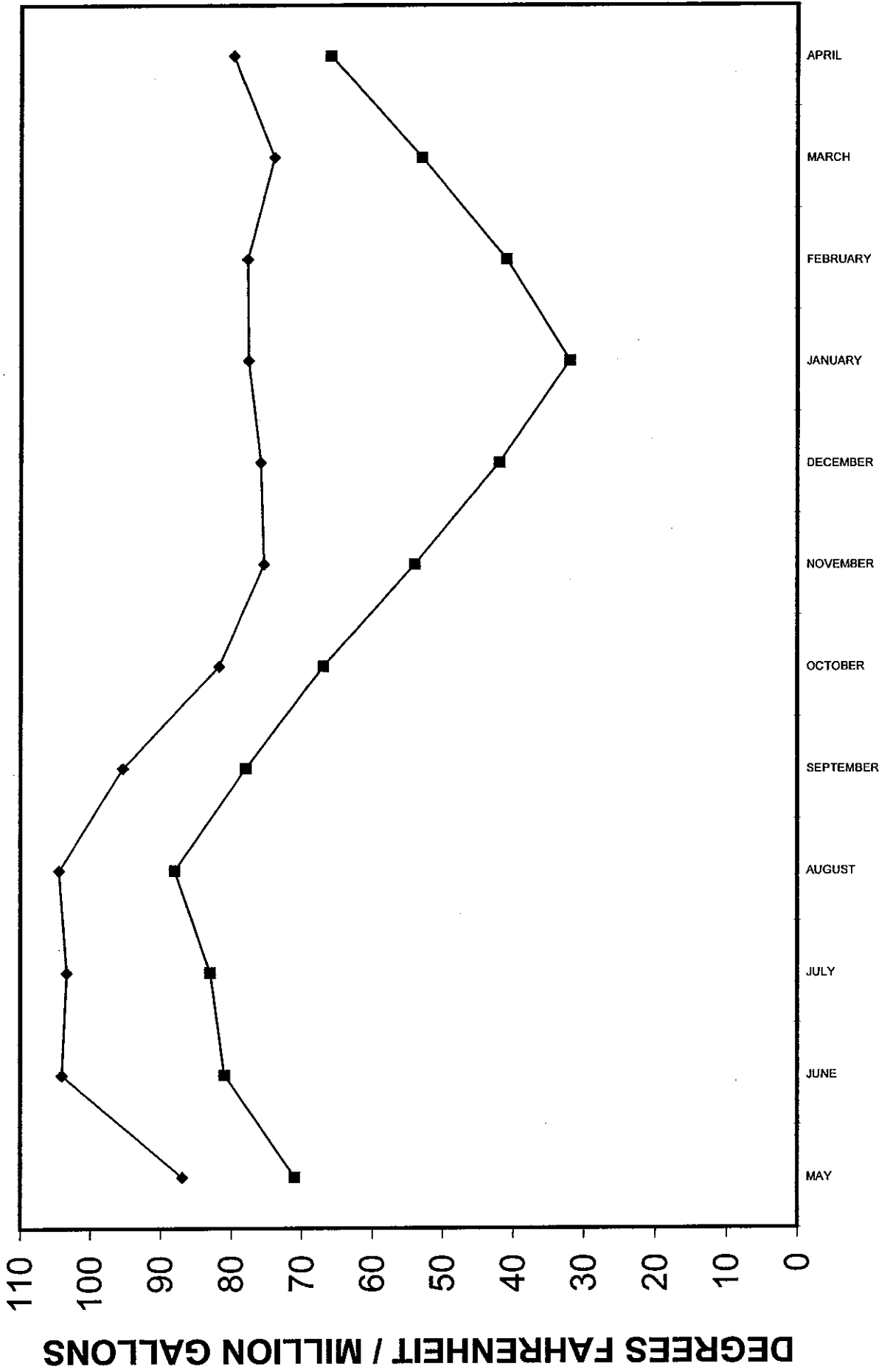
# WATER PUMPAGE VS. ALLOCATION

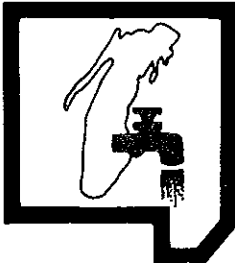


# WATER TEMPERATURE VS. AVERAGE AIR TEMPERATURE



# WATER PUMPAGE VS. AVERAGE AIR TEMPERATURE





## **DU PAGE WATER COMMISSION**

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October 14, 2004

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 thorough annual inspections of the 78 meter station buildings, 35 remotely operated valve vaults and cabinets, and five tank site facilities. The operation and regular calibration was maintained on all instrumentation within the pump station facilities and remote facilities listed above, including six cathodic protection sites on the 72" transmission main.

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 instrumentation technicians and witnessed by representatives of the Chicago Water Department Maintenance and Operational Methodology (MOM) group.

The Instrumentation and Remote Facilities Department also repairs, maintains, and tests quarterly the pump station security system, which includes 17 perimeter doors with proximity card access, 60 monitored doors, hatches, skylights and windows, and seven surveillance video cameras.

In addition, the following list briefly describes several systems upgraded, changed or replaced during the fiscal year to improve reliability or to stay current with technology.


- The replacement of the remote terminal units (RTUs) located within the pump station was completed in August 2003.
- The administrative local area network (LAN) file server was replaced and operating system upgraded in June 2003.
- The Joint Utility Locating Information for Excavators (J.U.L.I.E.) server and software application were replaced and upgraded in January 2004.
- The security/HVAC computer system was replaced and the software application upgraded in January 2004.



- The Supervisory Control and Data Acquisition (SCADA) microwave radio system was upgraded in April 2004.
- Alarm switches on all the remotely operated valve control cabinets, which report to the SCADA system, were installed.
- Final inspection and start-up of two remotely operated valves (ROV10B/C) for TW-2 contract was completed.

The Department also manages and maintains the SCADA network and the Administrative LAN, which involves user support for Internet, e-mail, workstation, and program application problems.

Very truly yours,



John Schori  
Instrumentation and Remote Facilities Supervisor

## WATER METER TESTING PROGRAM

Meters in Service:

The following table reflects the number of meters in service (including spares) at the end of the fiscal year. The increased number of meters reflects additional spares purchased during the fiscal year.

<u>SIZE</u>	<u>METER TYPE</u>	<u>QUANTITY</u>	<u>PURPOSE</u>
1"	Pos. Displacement	1	In House Use
2.5"	Turbine	1	In House Use
4"	Turbine	1	In House Use
6"	Turbine	55	Meter Stations
6"	Compound	2	In House Use
8"	Turbine	116	Meter Stations
10"	Turbine	1	In House Use
10"	Turbine	78	Meter Stations
10"	Venturi	1	In House Use
16"	Venturi	1	Schaumburg
48"	Venturi	1	In House Use
60"	Venturi	2	In House Use
66"	Venturi	1	In House Use
Total Meters		261	

Meter Calibrations and Witness Testing:

The following table reflects the number of meters calibrated during the fiscal year. This total includes tests performed on all replacement meters.

<u>METER SIZE</u>	<u>METER TYPE</u>	<u>NUMBER OF CALIBRATIONS</u>
6"	Turbine	55
8"	Turbine	116
10"	Turbine	78
48"	Venturi	6
60"	Venturi	12
66"	Venturi	6
Total Calibrations		273

The following reflects the number of meters tested to fulfill the Commission's obligations under the Water Purchase and Sale Contracts during the fiscal year ("witness testing").

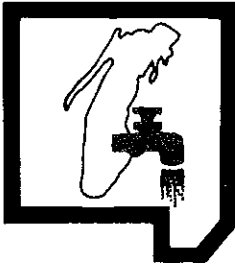
<u>METER SIZE</u>	<u>METER TYPE</u>	<u>NUMBER OF WITNESS TESTS</u>
6"	Turbine	40
8"	Turbine	103
10"	Turbine	<u>61</u>
	Total Witness Tests	204

The following reflects the adjustments made for registration errors found during the witness testing program.

One (1) billing for under-registration	\$76,218.78
Three (3) credits for over-registration	<u>-\$1,671.74</u>
Net Adjustment	\$74,547.04

**METER STATION INFORMATION**

<u>CUSTOMER</u>	<u>METER STATION</u>	<u>NUMBER OF METERS</u>	<u>METER SIZE (INCHES)</u>	<u>CUSTOMER</u>	<u>METER STATION</u>	<u>NUMBER OF METERS</u>	<u>METER SIZE (INCHES)</u>	
Village of Addison	1a	2	10	Village of Itasca	25a	2	6	
	1b	2	10		25b	2	6	
	1c	2	6		25c	2	8	
	1d	2	10	Village of Lisle	13a	3	8	
	1e	2	6		13b	3	8	
Argonne Nat'l Laboratory	28a	2	8		13c	2	10	
	Village of Bensenville	2a	5	8	Village of Lombard	14a	3	8
Village of Bloomingdale		3a	3	8		14b	2	8
		3b	3	6		14c	2	6
Village of Carol Stream	4a	3	8	14d	3	10		
	4b	3	8	City of Naperville	15a	3	10	
Village of Clarendon Hills	6a	2	6		15b	5	10	
	6b	2	6		15c	5	8	
City of Darien	7a	3	8		15d	3	6	
	7b	2	8		15e	3	10	
Village of Downers Grove	8a	3	8		15f	5	8	
	8b	2	8	15g	3	10		
	8c	2	10	15h	5	10		
	8d	3	10	Village of Oak Brook	16a	3	10	
	8e	3	8		16b	2	8	
	8f	2	8		16c	3	10	
City of Elmhurst	10a	3	8	City of Oakbrook Terrace	17a	2	6	
	10b	3	8		17b	2	8	
	10c	3	8	Village of Roselle	18a	2	8	
Village of Glen Ellyn	26a	2	10		18b	2	8	
	26b	5	8		18c	2	8	
Village of Glendale Heights	11a	2	8	Village of Villa Park	19a	2	8	
	11b	3	6		19b	2	6	
	11c	2	6		19c	2	8	
Village of Hinsdale	12a	5	8	Village of Westmont	20a	3	8	
					20b	3	8	
Illinois American Water Co	5a	2	6	City of Wheaton	21a	3	10	
	5b	2	6		21b	3	10	
	5c	2	6		21c	3	8	
	5d	2	6	Village of Willowbrook	22a	3	10	
	5e	2	6		Village of Winfield	27a	2	8
	5f	1	8	City of Wood Dale		23a	2	8
	5g	1	6		23b	2	10	
Village of Woodridge	24a	2	10	24a	2	10		
	24b	2	10	24b	2	10		
	24c	2	10	24c	2	10		
Total Meter Stations					78			
Total Meters In Service					203			



## DU PAGE WATER COMMISSION

600 E. BUTTERFIELD ROAD • ELMHURST, IL • 60126-4642

(630) 834-0100 • FAX: (630) 834-0120

October 14, 2004

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 biannually and updated with current information.

Requests for qualifications were solicited for engineering services in connection with the Evaluation of Electrical Generation Supply Alternatives at the DuPage Pump Station. Qualifications were reviewed and three firms were short listed for interviews. Based upon the interviews, Camp Dresser & McKee was chosen to perform the Electric Generation Evaluation and Study. The Final Report was tendered on March 29, 2004, and Camp Dresser & McKee was contracted to provide design services for the generator facility with expected completion in December 2004.

Requests for qualifications also were solicited for engineering services in connection with the Design of Concrete Reservoirs for the DuPage Pump Station. Qualifications were reviewed and three firms were short listed for interviews. Based upon the interviews, Consoer Townsend Envirodyne was chosen for the Concrete Reservoir design, with design ongoing with anticipated completion in November 2004.

Finally, to assist in engineering-type work and additional document and information handling needs, multi-function office machines (copy/scanning/printer) were reviewed and demonstrated, with a unit purchased in April 2004.

Very truly yours,

A handwritten signature in black ink, appearing to read "R. Christopher Bostick". The signature is written in a cursive, flowing style.

R. Christopher Bostick  
Facilities Construction Supervisor



## **DU PAGE WATER COMMISSION**

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

October 14, 2004

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

Dear Mr. Martin:

The Pipeline Department's daily operations have changed considerably over the course of the last fiscal year. Perhaps of greater significance, however, are the changes that took place within the Department in regards to its goals, direction, and attitude.

In addition to the renewed emphasis being placed on preventative maintenance, the Department has, over the course of the last year, been responsible for:

- The construction supervision and management for Contract BOV-1. This project was completed approximately one year ahead of schedule and under budget.
- Project completion and close-out for Contracts TW-2 and TSW-3. These contracts had been repeatedly delayed due to problems associated with the performance of a certain type of valve. As the potential for indefinite contract delays hinged on the performance of these valves, a determination was made to employ alternate construction methods, unique to each contract, in order to bring these projects to completion.
- Construction management for Contract TIB-1. This project, though not significant in length, is particularly challenging in its scope. Existing site conditions, including the predominance of utilities, subsurface soil conditions, limited work site access, together with efforts to keep disruption to the homes, schools, and businesses along the route to a minimum, have all combined to create one of the most difficult projects the Commission has ever undertaken.
- Coordination of work with Cathodic Protection Management under their contract with the Commission to provide field investigation and to assess, identify and report on corrosion potentials of Commission-owned facilities. Pipeline personnel have assisted the contractor by installing test leads on

numerous structures as required for the purpose of field data collection, and by providing traffic control for CPM's personnel when necessary.

- Performed monthly bacteriological samples as required by IEPA.
- Supervision of Contract QR-6 pipeline repair work. This work includes the supervision and documentation of routine maintenance work, in addition to emergency response type work.
- Received and screened 53,555 J.U.L.I.E. locate requests. Of these, 5,516 requests required field locating of Commission facilities.
- Reviewed and responded to 67 sets of plans submitted by outside agencies for the purpose of determining potential conflicts between the proposed improvements and existing Commission facilities.

One of the Department's goals is to continue to promote a professional approach and attitude in the performance of its day to day operations. We look forward to the opportunity to further advance this method of operation throughout the upcoming year.

Very truly yours,



Edward Kazmierczak  
Pipeline Supervisor

**TYPE AND SIZE OF VALVES IN SERVICE**

<b>TYPE OF VALVE</b>	<b>SIZE OF VALVE</b>	<b>NUMBER</b>
BUTTERFLY	90"	1
BUTTERFLY	84"	17
BUTTERFLY	72"	17
BUTTERFLY	60"	5
BUTTERFLY	54"	11
BUTTERFLY	48"	26
BUTTERFLY	42"	6
BUTTERFLY	36"	32
BUTTERFLY	30"	30
BUTTERFLY	24"	33
BUTTERFLY	20"	32
BUTTERFLY	16"	39
BUTTERFLY OR GATE	12"	20
BLOW-OFF	6" TO 18"	<u>390</u>
	TOTAL	659

**TYPE AND SIZE OF PIPES IN SERVICE**

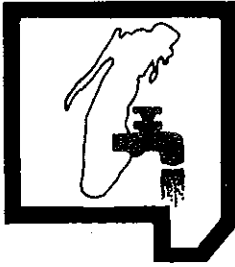
<b>TYPE OF PIPE</b>	<b>SIZE OF PIPE</b>	<b>FEET OF PIPE</b>
PRESTRESSED CONCRETE CYLINDER PIPE	16" THROUGH 90"	473,989
STEEL	16" THROUGH 84"	240,510
DUCTILE IRON	12" THROUGH 42"	166,249



**MONTHLY J.U.L.I.E. REPORTS**

**J O I N T U T I L I E R E P O R T S**

MONTH	02/03 REQUESTS	03/04 REQUESTS	02/03 LOCATES	03/04 LOCATES	02/03 PLAN REVIEWS	03/04 PLAN REVIEWS
MAY	4,939	6,210	472	554	6	7
JUNE	4,711	5,976	524	653	6	5
JULY	5,361	5,490	598	568	4	5
AUGUST	4,488	4,894	620	486	5	4
SEPTEMBER	4,651	4,926	578	577	7	5
OCTOBER	5,344	5,586	734	690	6	6
NOVEMBER	3,807	3,416	482	551	8	6
DECEMBER	2,672	2,717	376	439	7	6
JANUARY	2,335	1,607	335	164	5	4
FEBRUARY	1,838	1,760	333	172	5	6
MARCH	3,885	4,095	550	301	7	8
APRIL	<u>6,101</u>	<u>6,878</u>	<u>634</u>	<u>361</u>	<u>6</u>	<u>5</u>
TOTAL	50,132	53,555	6,236	5,516	72	67



## **DU PAGE WATER COMMISSION**

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

October 14, 2004

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. The new standard requires that a "Management Discussion and Analysis" (MD&A) be included in the annual audited financial statements. The MD&A supplies much of the information that, in prior years, was presented in the separately issued water system annual reports. For example, 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 2003-04, the Commission served 25 municipal utilities, 7 private utility service areas and Argonne National Laboratory. A new state statute requires the Commission's current Charter Customer water rate of \$1.65 per 1,000 gallons not to be increased until 2008.

With revenues of \$86.2 million and expenses and transfers totaling \$149.1 million, the Commission's net assets decreased by \$62.9 million in fiscal year 2003-04 to \$305.9 million. Restricted net assets and net assets invested in property, plant and equipment were \$40.9 million and \$182.2 million, respectively.

**BUDGETARY ANALYSIS**

The table below compares actual fiscal year 2003-04 revenues and expenses to budget. Total revenues were 8.4% less than budget. Total operating expenditures were below budget by 1.9%. All significant dollar variances will be discussed.

Water operations and maintenance revenues were \$52.2 million, \$3.3 million (5.9%) less than budget. Last summer's cool, wet weather is the reason total water sales, 30.80 billion gallons, were under budgeted water sales of 32.96 billion gallons.

The Commission's sales tax receipts have been reduced over the past few years by the national economic slow down. Although actual sales tax collections rose slightly over last year, collections for the fiscal year were \$31.6 million, \$0.9 million (2.9%) less than budget because a faster economic recovery was anticipated. The Commission's general obligation bond payment was fully funded by sales tax receipts. In addition, \$8.9 million of sales tax revenue was used to reduce the customers' water revenue bond fixed cost payment for fiscal year 2003-04 by 50%.

Market fluctuations caused a decrease in investment market values over the course of the fiscal year resulting in investment income below budget. In addition, because the economy was expected to rebound quicker and interest rates were anticipated to rise during the fiscal year, budgeted average rate of return was 3.0% for fiscal year 2003-04. At the end of the fiscal year, however, the portfolio was only earning 1.21% based on market yield and 2.02% based on original purchase price, down from 1.27% and 2.04% the previous fiscal year.

Overall direct water supply costs were \$47.4 million, \$3.1 million (6.2%) under budget. The overall direct water supply costs are directly related to total water sales. Therefore, because last summer's cool, wet weather slowed sales, it also slowed costs.

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

Personnel service costs totaled \$4.4 million, 68% higher than budgeted costs of \$2.6 million. The Commission picked up 60% to 100% (\$1.4 million unbudgeted) of the employee required contributions to establish Illinois Municipal Retirement Fund (IMRF) service to the beginning of employment. An early retirement incentive program was adopted in July and four employees took advantage of this program, costing the Commission \$347K. The Commission instituted a military service credit program under IMRF and five eligible employees participated in this program at a cost of \$72K.

Bond interest costs were 9.9% more than budget because of the \$2.9 million call premium cost on the 1993 revenue bonds retired in September. These costs were partially offset by lower interest coupons on the new bonds and the reduction of outstanding bond principal.

All Other Expenses, specifically insurance costs, were significantly less than the current fiscal year budget. The Commission had to increase property insurance deductibles, which caused the Commission to increase its self-insurance budget line item by nearly \$1.0 million for fiscal year 2002-03. No self-insured losses were incurred.

The \$75 million variance in Transfers To Other Governments relates to the transfer to DuPage County per State of Illinois Public Act 93-0226.

**BUDGET ANALYSIS OF REVENUES AND EXPENSES**  
For Fiscal Year Ending April 30, 2004

	BUDGET	ACTUAL	VARIANCE FAVORABLE (UNFAVORABLE)	% OF BUDGET
<b>REVENUES</b>				
Water Sales - All Categories	\$ 55,448,493	\$ 52,185,352	\$ (3,263,141)	94.1%
Sales Tax	32,555,791	31,620,982	\$ (934,809)	97.1%
Investment Income	6,080,000	2,321,233	\$ (3,758,767)	38.2%
All Other Revenues	56,300	102,058	\$ 45,758	181.3%
<b>Total Revenue</b>	<b>94,140,584</b>	<b>86,229,625</b>	<b>(7,910,959)</b>	<b>91.6%</b>
<b>EXPENSES</b>				
Water Supply Costs	50,510,173	47,362,242	3,147,931	93.8%
Depreciation	6,780,299	6,399,759	380,540	94.4%
Personnel Services	2,597,416	4,364,707	(1,767,291)	168.0%
Bond Interest	12,570,616	13,810,147	(1,239,531)	109.9%
All Other Expenses	3,143,038	2,218,243	924,795	70.6%
<b>Total Expense</b>	<b>75,601,542</b>	<b>74,155,098</b>	<b>1,446,444</b>	<b>98.1%</b>
<b>TRANSFERS TO OTHER GOVERNMENTS</b>	-	75,000,000	(75,000,000)	100+%
<b>NET FUND TRANSACTIONS</b>	<b>\$ 18,539,042</b>	<b>\$ (62,925,473)</b>	<b>\$ (81,464,515)</b>	<b>N/A</b>

**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 caused 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 2003 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 Engineering News Record (ENR) construction index was established to handle system emergencies. (Since April 30, 1998, the Commission, by annual resolution has adopted a fixed dollar amount approximating, but not necessarily equaling, the change in the ENR construction index.) Based on this criteria, the targeted balance available for emergency repairs was \$28.1 million as of April 30, 2003.

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. This changed the Emergency Repairs and Contingencies Reserve balance to \$11.2 million at July 31, 2003. Excess reserves were reallocated to the Sales Tax Sub-account of the General Account (\$16.0 million) to be used for construction projects and to the Water Rate Stabilization Reserve (\$0.9 million). Balance for the Emergency Repairs and Contingencies Reserve was \$11.7 million at April 30, 2004.

### **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. The Commission is being reimbursed for these construction costs with a 20% credit against the water bill from the City of Chicago to the Commission until the amount has been satisfied sometime in late 2004. 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 are then reserved by resolution of the Board of Commissioners on an annual basis. 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.

During last fiscal year, the Commission established two new non-operating designations of unrestricted net asset balances. The first commits \$10 million to help alleviate water contamination issues in areas of DuPage County not presently served by the Commission. The second non-operating designation was to recognize a liability for prior service, unfunded pension costs.

Very truly yours,



Cheryl R. Pattelli, CPA  
Financial Administrator

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

	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995
<u>UNRESTRICTED FUNDS</u>										
DESIGNATED FOR EMERGENCY REPAIRS AND CONTINGENCIES (2)	\$ 11,700,000	\$ 28,100,000	\$ 27,300,000	\$ 26,500,000	\$ 25,800,000	\$ 25,100,000	\$ 25,000,000	\$ 24,200,000	\$ 23,200,000	\$ 22,700,000
DESIGNATED FOR WATER RATE STABILIZATION (3, 5)	44,223,356	45,005,162	46,471,406	38,960,224	28,833,359	20,670,215	9,159,725	16,068,495	10,099,590	-
DESIGNATED FOR THE ACQUISITION OF CAPITAL ASSETS (4, 5)	14,282,480	49,512,314	53,471,628	47,687,798	38,768,625	37,408,184	36,500,625	-	4,128,773	20,447,931
UNDESIGNATED	-	-	-	-	290,397	-	388,117	12,198,948	11,349,338	13,681,517
<b>TOTAL UNRESTRICTED OPERATING FUNDS</b>	<b>70,205,836</b>	<b>122,617,476</b>	<b>127,243,034</b>	<b>113,148,022</b>	<b>93,692,381</b>	<b>83,178,399</b>	<b>71,048,467</b>	<b>52,467,443</b>	<b>48,777,701</b>	<b>56,829,448</b>
DESIGNATED FOR WHOLESALE CUSTOMER WATER QUALITY LOANS	9,937,000	10,000,000								
DESIGNATED TO FUND ILLINOIS MUNICIPAL RETIREMENT FUND PRIOR SERVICE PENSION COSTS	2,605,192	3,805,524								
<b>TOTAL UNRESTRICTED NON-OPERATING FUNDS</b>	<b>12,542,192</b>	<b>13,805,524</b>								
<b>TOTAL UNRESTRICTED FUNDS</b>	<b>82,748,028</b>	<b>136,423,000</b>	<b>127,243,034</b>	<b>113,148,022</b>	<b>93,692,381</b>	<b>83,178,399</b>	<b>71,048,467</b>	<b>52,467,443</b>	<b>48,777,701</b>	<b>56,829,448</b>
RESTRICTED FUNDS	40,940,010	51,202,190	48,906,283	46,893,951	42,361,844	42,329,739	42,531,917	49,036,266	43,216,886	42,894,913
CAPITAL INVESTMENTS	182,164,171	181,152,491	171,558,854	155,797,266	144,049,731	125,529,944	109,135,921	102,154,443	94,255,494	74,263,779
<b>TOTAL NET ASSETS</b>	<b>\$ 305,852,209</b>	<b>\$ 368,777,681</b>	<b>\$ 347,708,171</b>	<b>\$ 315,839,239</b>	<b>\$ 280,103,956</b>	<b>\$ 251,038,082</b>	<b>\$ 222,716,305</b>	<b>\$ 203,658,152</b>	<b>\$ 186,250,081</b>	<b>\$ 173,988,140</b>

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

(2) 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.

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

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

(5) 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, 2004

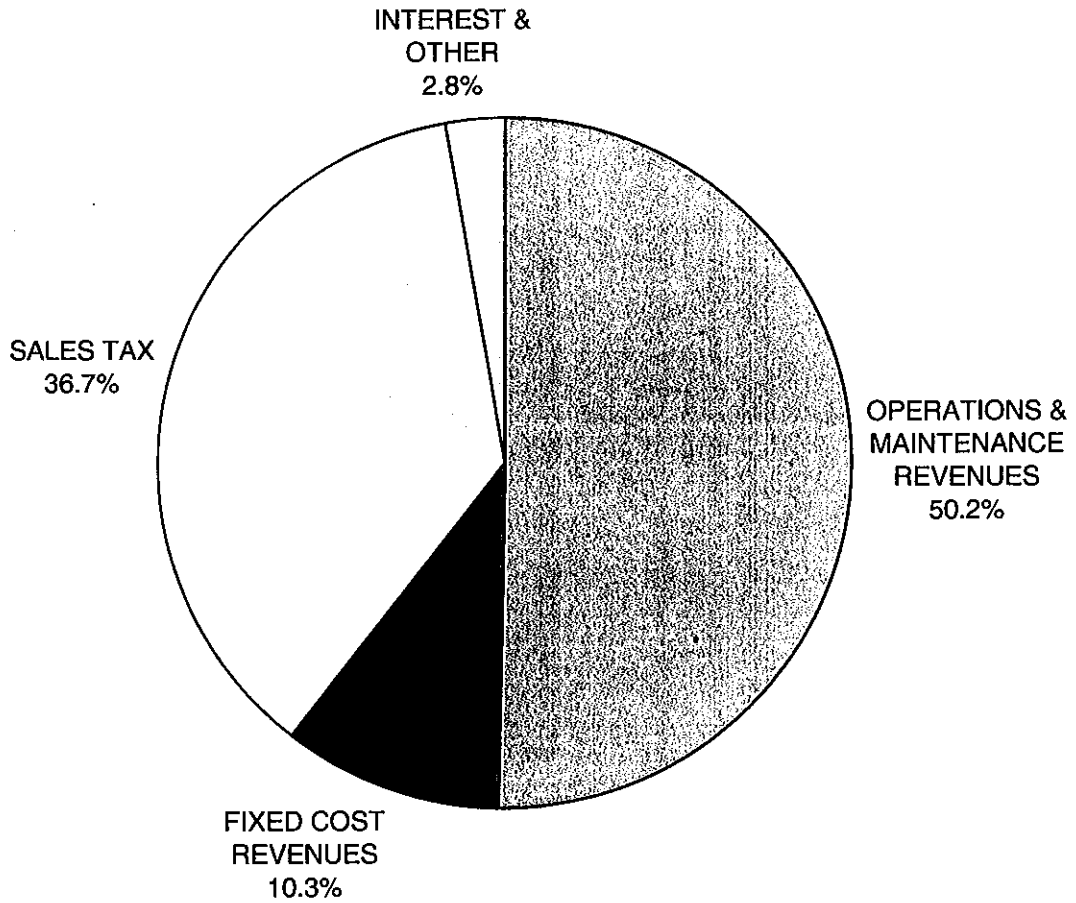
	Y-T-D ACTUAL	Y-T-D BUDGET	BUDGET VARIANCE FAVORABLE (UNFAVORABLE)	% BUDGET VARIANCE
<b>REVENUE</b>				
OPERATIONS & MAINTENANCE REVENUES	\$ 42,485,698	\$ 45,479,533	\$ (2,993,835)	-6.6%
FIXED COST REVENUES	8,916,329	8,916,329	-	0.0%
SUBSEQUENT CUSTOMER DIFFERENTIALS	748,624	1,023,572	(274,948)	-26.9%
EMERGENCY WATER SERVICE	34,701	29,059	5,642	19.4%
SALES TAXES	31,620,982	32,555,791	(934,809)	-2.9%
INVESTMENT INCOME	2,321,233	6,080,000	(3,758,767)	-61.8%
OTHER INCOME	102,058	56,300	45,758	81.3%
<b>TOTAL REVENUE</b>	<b>\$ 86,229,625</b>	<b>\$ 94,140,584</b>	<b>\$ (7,910,959)</b>	<b>-8.4%</b>
<b>EXPENSES</b>				
DIRECT WATER DISTRIBUTION COSTS	\$ 47,362,242	\$ 50,510,173	\$ 3,147,931	-6.2%
BOND INTEREST	13,810,147	12,570,616	(1,239,531)	9.9%
DEPRECIATION	6,399,759	6,780,299	380,540	-5.6%
PERSONAL SERVICES	4,364,707	2,597,416	(1,767,291)	68.0%
INSURANCE	911,861	1,746,663	834,802	-47.8%
PROFESSIONAL & CONTRACTUAL SERVICES	1,174,792	1,243,260	68,468	-5.5%
ADMINISTRATIVE COSTS	128,095	147,120	19,025	-12.9%
LAND AND RIGHT OF WAY	3,495	5,995	2,500	-41.7%
<b>TOTAL OPERATING EXPENSES</b>	<b>\$ 74,155,098</b>	<b>\$ 75,601,542</b>	<b>\$ 1,446,444</b>	<b>-1.9%</b>
<b>NET OPERATING INCOME</b>	<b>\$ 12,074,527</b>	<b>\$ 18,539,042</b>	<b>\$ (6,464,515)</b>	<b>-34.9%</b>
TRANSFERS TO OTHER GOVERNMENTS	75,000,000	-	(75,000,000)	100+%
<b>NET FUND TRANSACTIONS</b>	<b>(62,925,473)</b>	<b>18,539,042</b>	<b>81,464,515</b>	<b>-439.4%</b>
BEGINNING NET ASSETS	\$ 368,777,681			
<b>ENDING NET ASSETS</b>	<b>\$ 305,852,208</b>			



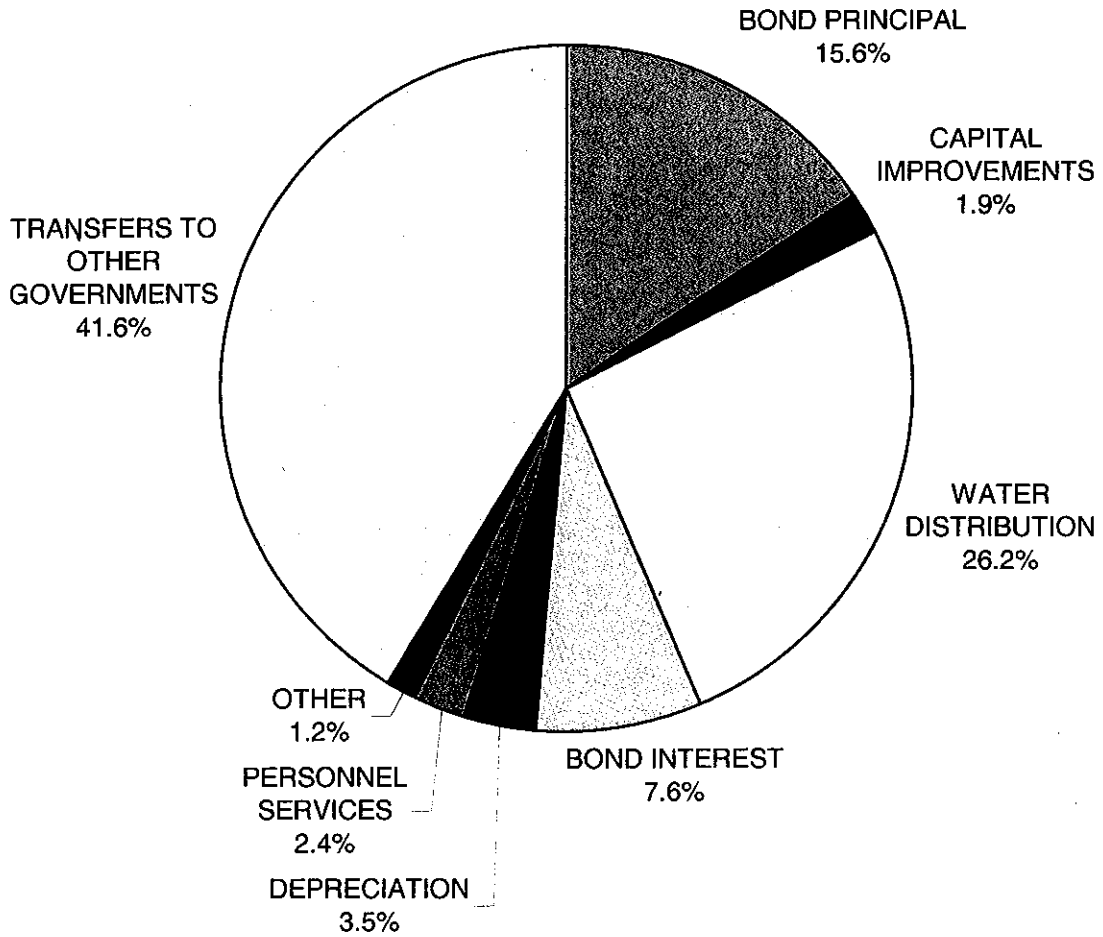
**DUPAGE WATER COMMISSION  
COMPARATIVE USES OF NET INCOME  
For Fiscal Years Ended April 30,**

	2004	2003	INCREASE (DECREASE)	% CHANGE
DESIGNATED FOR EMERGENCY REPAIRS AND CONTINGENCIES	\$ (16,400,000)	\$ 800,000	\$ (17,200,000)	-2150.0%
DESIGNATED FOR WATER RATE STABILIZATION	(781,807)	(1,466,244)	684,437	-46.7%
DESIGNATED FOR THE ACQUISITION OF CAPITAL ASSETS	(35,229,834)	(3,959,314)	(31,270,520)	789.8%
DESIGNATED FOR WHOLESALE CUSTOMER WATER QUALITY LOANS	(63,000)	10,000,000	(10,063,000)	N/A
DESIGNATED TO FUND ILLINOIS MUNICIPAL RETIREMENT FUND PRIOR SERVICE PENSION COSTS	(1,200,332)	3,805,524	(5,005,856)	N/A
RESTRICTED FUNDS	(10,262,179)	2,295,908	(12,558,087)	-547.0%
CAPITAL INVESTMENTS	1,011,680	9,593,636	(8,581,956)	-89.5%
<b>TOTAL USES</b>	<b>\$ (62,925,472)</b>	<b>\$ 21,069,510</b>	<b>\$ (83,994,982)</b>	<b>-398.7%</b>

**DUPAGE WATER COMMISSION  
FY 2003-2004 REVENUES  
\$86,229,625**



**DUPAGE WATER COMMISSION  
FY 2003-2004 EXPENDITURES\* AND TRANSFERS  
\$180,662,103**



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

## CUSTOMER ADDITIONS

	<u>NEW CUSTOMER CONTRACT DATE</u>	<u>FIRST SERVED</u>
ARGONNE NAT'L LAB	July-95	January-97
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 April 30, 2004**

	TOTAL O & M COSTS	PERCENTAGE OF TOTAL O & M COSTS	TOTAL FIXED COSTS	PERCENTAGE OF TOTAL FIXED COSTS	TOTAL SUBSEQUENT CUSTOMER FEES	PERCENTAGE OF TOTAL SUBSEQUENT CUSTOMER FEES	TOTAL WATER REVENUE	PERCENTAGE OF TOTAL WATER REVENUE
ADDISON	1,837,380	4.32%	406,201	4.56%	-	0.00%	2,243,582	4.29%
ARGONNE NAT'L LAB	252,209	0.59%	53,573	0.60%	170,219	19.24%	476,001	0.91%
BENSENVILLE	1,198,694	2.82%	263,720	2.96%	-	0.00%	1,462,414	2.80%
BLOOMINGDALE	1,238,883	2.92%	263,824	2.96%	-	0.00%	1,502,706	2.87%
CAROL STREAM	1,951,353	4.59%	413,973	4.64%	-	0.00%	2,365,326	4.52%
CLARENDON HILLS	386,211	0.91%	75,748	0.85%	-	0.00%	461,959	0.88%
DARIEN	1,021,385	2.40%	229,421	2.57%	-	0.00%	1,250,806	2.39%
DOWNERS GROVE	3,091,872	7.28%	628,680	7.05%	-	0.00%	3,720,552	7.12%
ELMHURST	2,208,693	5.20%	462,572	5.19%	-	0.00%	2,671,265	5.11%
GLEN ELLYN	1,427,232	3.36%	293,356	3.29%	-	0.00%	1,720,588	3.29%
GLENDALE HEIGHTS	1,315,535	3.10%	285,274	3.20%	-	0.00%	1,600,808	3.06%
HINSDALE	1,315,230	3.10%	270,041	3.03%	-	0.00%	1,585,271	3.03%
IAWC-ARROWHEAD	87,195	0.21%	19,170	0.22%	51,644	5.84%	158,010	0.30%
IAWC-COUNTRY CLUB	51,634	0.12%	10,466	0.12%	38,323	4.33%	100,423	0.19%
IAWC-DUPAGE/LISLE	241,499	0.57%	59,790	0.67%	124,353	14.05%	425,642	0.81%
IAWC-LIBERTY RIDGE EAST	16,938	0.04%	5,181	0.06%	39,199	4.43%	61,318	0.12%
IAWC-LIBERTY RIDGE WEST	148,109	0.35%	30,258	0.34%	92,116	10.41%	270,483	0.52%
IAWC-LOMBARD HEIGHTS	31,072	0.07%	7,150	0.08%	32,627	3.69%	70,849	0.14%
IAWC-VALLEY VIEW	325,216	0.77%	66,008	0.74%	143,941	16.27%	535,165	1.02%
ITASCA	746,174	1.76%	150,668	1.69%	-	0.00%	896,842	1.72%
LISLE	1,359,899	3.20%	290,558	3.26%	-	0.00%	1,650,457	3.16%
LOMBARD	2,130,623	5.01%	458,116	5.14%	-	0.00%	2,588,740	4.95%
NAPERVILLE	8,498,367	20.00%	1,732,781	19.43%	-	0.00%	10,231,148	19.57%
OAK BROOK	2,033,424	4.79%	433,351	4.86%	-	0.00%	2,466,775	4.72%
OAKBROOK TERRACE	66,836	0.16%	13,471	0.15%	43,580	4.93%	123,887	0.24%
ROSELLE	1,165,007	2.74%	224,447	2.52%	-	0.00%	1,389,454	2.66%
VILLA PARK	990,891	2.33%	206,417	2.32%	-	0.00%	1,197,308	2.29%
WESTMONT	1,358,344	3.20%	296,050	3.32%	-	0.00%	1,654,394	3.16%
WHEATON	2,673,302	6.29%	572,102	6.42%	-	0.00%	3,245,404	6.21%
WILLOWBROOK	555,338	1.31%	119,166	1.34%	-	0.00%	674,504	1.29%
WINFIELD	444,771	1.05%	91,603	1.03%	148,772	16.81%	685,146	1.31%
WOOD DALE	722,919	1.70%	155,020	1.74%	-	0.00%	877,938	1.68%
WOODRIDGE	1,593,463	3.75%	328,173	3.68%	-	0.00%	1,921,636	3.68%
<b>TOTALS</b>	<b>\$ 42,485,698</b>	<b>100.00%</b>	<b>\$ 8,916,329</b>	<b>100.00%</b>	<b>\$ 884,775</b>	<b>100.00%</b>	<b>\$ 52,286,802</b>	<b>100.00%</b>

## WATER SALES ACCOUNTABILITY

AVERAGE GALLONS SOLD TO CUSTOMERS PER DAY

84,149,511

MONTH	SALES TO CUSTOMERS (1) (GALLONS)	PURCHASES FROM CHICAGO (GALLONS)	GALLONS BILLED %	BILLINGS TO CUSTOMERS (1)	BILLINGS FROM CHICAGO
May-03	2,622,301,000	2,711,004,309	96.73%	\$ 3,619,033	\$ 3,315,558
Jun-03	3,031,274,000	3,129,263,410	96.87%	4,183,476	3,827,089
Jul-03	3,114,181,000	3,213,079,828	96.92%	4,297,570	3,929,596
Aug-03	3,137,669,000	3,237,477,343	96.92%	4,330,318	3,959,435
Sep-03	2,775,903,000	2,842,321,431	97.66%	3,830,750	3,476,159
Oct-03	2,463,017,000	2,531,079,199	97.31%	3,361,578	3,095,510
Nov-03	2,220,837,000	2,263,237,760	98.13%	3,110,604	2,767,940
Dec-03	2,302,995,000	2,357,446,124	97.69%	3,178,138	2,883,157
Jan-04	2,353,099,000	2,415,231,136	97.43%	3,247,277	3,040,776
Feb-04	2,205,542,000	2,253,789,245	97.86%	3,043,648	2,837,521
Mar-04	2,240,813,000	2,290,496,569	97.83%	3,092,322	2,883,735
Apr-04	2,331,090,000	2,380,618,809	97.92%	3,218,939	2,997,199
<b>TOTALS</b>	<b>30,798,721,000</b>	<b>31,625,045,163</b>	<b>97.39%</b>	<b>\$ 42,513,653</b>	<b>\$ 39,013,675</b>

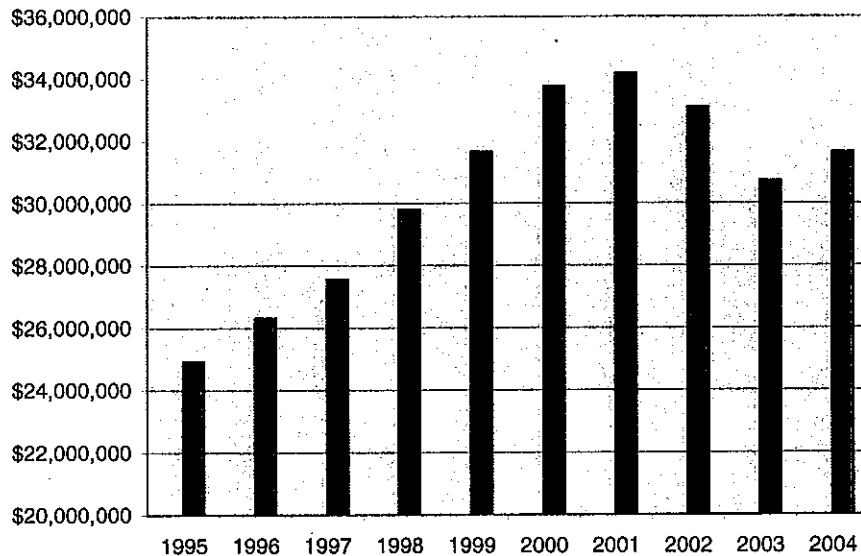
(1) Includes emergency contract customer Village of Schaumburg. Does not include meter adjustments billings.

**DUPAGE WATER COMMISSION  
CUSTOMER REBATES**

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

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

FISCAL YEAR	AMOUNT
1995	\$24,909,609
1996	26,307,748
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



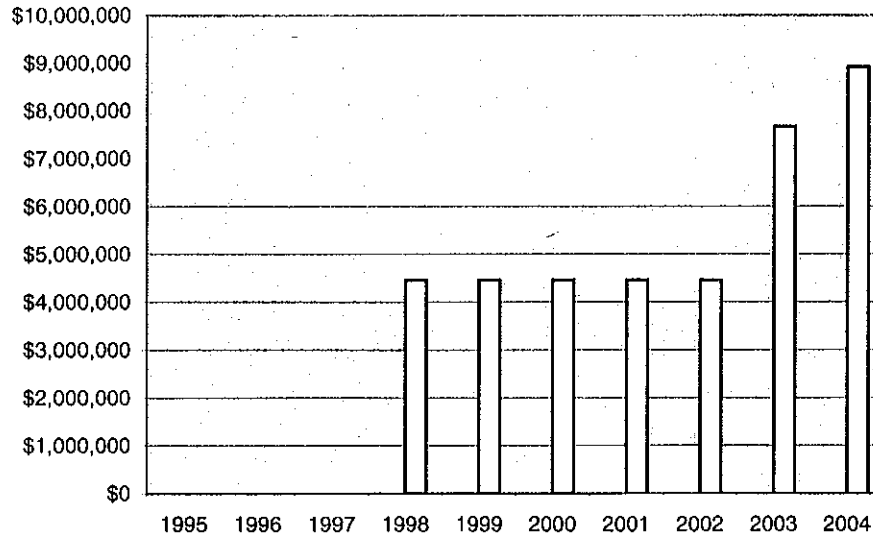


**DuPAGE WATER COMMISSION  
GENERAL OBLIGATION BOND  
PROPERTY TAX ABATEMENTS  
Last Ten Levy Years**

<b>LEVY YEAR</b>	<b>AMOUNT</b>
1994	\$14,257,810
1995	14,257,705
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

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

FISCAL YEAR	AMOUNT
1995	\$0
1996	0
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



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

LEVY YEAR	COLLECTION YEAR	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	FARM	RAILROAD PROPERTY	TOTAL EQUALIZED ASSESSED VALUATION
1994	1995	\$ 11,488,148,536	\$ 3,356,738,873	\$ 1,233,463,037	\$ 4,417,060	\$ 6,242,553	\$ 16,089,010,059
1995	1996	12,101,821,233	3,426,781,140	1,312,478,895	4,948,327	6,338,329	16,852,367,924
1996	1997	12,711,249,532	3,578,516,349	1,377,726,716	3,847,361	7,687,916	17,679,027,874
1997	1998	13,310,018,948	3,718,368,112	1,440,152,291	3,786,077	8,192,572	18,480,518,000
1998	1999	13,817,522,384	3,941,972,806	1,524,499,538	3,653,065	9,081,750	19,296,729,543
1999	2000	14,443,828,356	4,182,356,885	1,636,212,570	3,364,221	10,100,806	20,275,862,838
2000	2001	15,148,944,040	4,474,070,124	1,725,892,667	3,059,154	10,283,397	21,362,249,382
2001	2002	16,287,936,204	4,706,568,197	1,939,135,604	2,761,597	10,783,566	22,947,185,168
2002	2003	17,861,614,734	5,073,598,476	2,096,061,645	2,637,103	11,689,521	25,045,601,479
2003	2004	19,772,461,244	5,111,733,784	2,110,768,835	2,228,102	10,291,853	27,007,483,818

**DUPAGE COUNTY, ILLINOIS**  
**COMPUTATION OF DIRECT AND OVERLAPPING DEBT (1)**  
**November 30, 2003**

District	Total Debt Outstanding (2)	Percentage Applicable To County (3)	Amount Applicable To County (2)
County	<u>\$ 217,806,000</u>	100.00%	<u>\$ 217,806,000</u>
Subtotal, County	<u>217,806,000</u>		<u>217,806,000</u>
Forest Preserve	229,276,835	100.00%	229,276,835
Water Commission	104,210,000	98.41%	102,553,061
Cities & Villages	5,830,314,812 (2)	9.55%	556,624,345
Townships	525,000	100.00%	525,000
Parks	748,786,550 (2)	21.06%	157,687,787
Fire Protection	23,005,000	84.17%	19,362,383
Airport	23,470,000	93.57%	21,960,879
Library	24,640,000	56.10%	13,823,908
Special Service	7,446,225	100.00%	7,446,225
Grade Schools	319,306,921	91.95%	293,597,016
High Schools	237,061,979	98.61%	233,764,445
Unit Schools	1,079,747,909	52.73%	569,319,215
Community Colleges	<u>161,027,256 (2)</u>	4.99%	<u>8,039,868</u>
Subtotal, Overlapping	<u>8,788,818,487</u>		<u>2,213,980,967</u>
Totals	<u><u>\$ 9,006,624,487</u></u>		<u><u>\$ 2,431,786,967</u></u>

(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.

Source: DuPage County Comprehensive Annual Financial Report for the fiscal year ended November 30, 2003.

**DUPAGE COUNTY, ILLINOIS  
VALUATION AND SELECTED DEBT RATIOS  
November 30, 2003**

Assessed Value of All Taxable Property in 2003	\$ 30,032,862,000
Estimated 2003 Full Value	\$ 90,098,586,000
2003 Population (1)	925,188,000

	Direct Only	Direct and Underlying
Ratio of Bonded Debt to Assessed Value	0.725%	8.097%
Ratio of Bonded Debt to Estimated Full Value	0.242%	2.699%
Per Capita Bonded Debt	\$ 0.24	\$ 2.63

(1) Estimated by the DuPage County Development Department.

Source: DuPage County Comprehensive Annual Financial Report for the fiscal year ended November 30, 2003.

**DUPAGE COUNTY, ILLINOIS  
PRINCIPAL TAXPAYERS  
November 30, 2003**

Taxpayer	Type of Business	2003 Assessed Valuation (1)	Percentage of Total Assessed Valuation
Hamilton Partners, Inc.	Commercial Development	\$ 148,323,000	0.49%
Lucent Industries	Communications Research and Development	82,356,000	0.27%
Aimco	Commercial Property	65,459,000	0.22%
Inland Real Estate	Commercial Property	63,988,000	0.21%
Duke Realty	Commercial Development	54,864,000	0.18%
RREEF America REIT Group	Commercial Development	48,754,000	0.16%
Trammell Crow Co.	Commercial Development	46,922,000	0.16%
AMLI	Commercial Property	37,777,000	0.13%
BP- Amoco	Petroleum Products Research	35,963,000	0.12%
Centerpoint Properties Trust	Industrial Property Development	34,770,000	0.12%
Target Corporation	Retail Sales	31,295,000	0.10%
Yorktown Joint Venture	Commercial Property	30,915,000	0.10%
<b>Total</b>		<b>\$ 681,386,000</b>	<b>2.26%</b>

(1) 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

Source: DuPage County Comprehensive Annual Financial Report for the fiscal year ended November 30, 2003.

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

	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994
DuPage County	\$ 0.1999	\$ 0.2154	\$ 0.2353	\$ 0.2536	\$ 0.2682	\$ 0.2831	\$ 0.2970	\$ 0.3183	\$ 0.3798	\$ 0.4144
Cities & Villages	0.5862	0.6046	0.6081	0.6081	0.6152	0.6194	0.6182	0.6318	0.6172	0.5675
High School Districts	1.0086	1.0537	1.0933	1.1137	1.1320	1.1490	1.1443	1.1384	1.1576	1.1704
Unit School Districts	1.6758	1.6688	1.7113	1.6610	1.6070	1.6292	1.6575	1.6526	1.6572	1.6570
Grade School Districts	1.5017	1.4996	1.5212	1.5304	1.5386	1.5481	1.5561	1.5240	1.5057	1.5555
Junior Colleges	0.2154	0.2229	0.1996	0.2028	0.2065	0.2097	0.2112	0.2126	0.2134	0.2126
Townships	0.1068	0.1088	0.1188	0.1224	0.1233	0.1268	0.1311	0.1384	0.1437	0.1485
Sanitary Districts	0.0027	0.0028	0.0029	0.0030	0.0030	0.0030	0.0031	0.0031	0.0031	0.0032
Park Districts	0.3057	0.2962	0.3073	0.3163	0.3154	0.3248	0.3238	0.3219	0.3261	0.3255
Library Districts	0.0583	0.0613	0.0636	0.0640	0.0632	0.0605	0.0613	0.0618	0.0631	0.0644
Forest Preserve District	0.1419	0.1534	0.1654	0.1742	0.1797	0.1849	0.1871	0.1648	0.1692	0.1725
Fire Protection Districts	0.2363	0.2429	0.2416	0.2429	0.2501	0.2510	0.2544	0.2507	0.2551	0.2540
DuPage Water Commission	-	-	-	-	-	-	-	-	-	-
Special Service Areas	0.0150	0.0200	0.0211	0.0236	0.0231	0.0222	0.0220	0.0225	0.0219	0.0222
Other Special Districts	0.0254	0.0267	0.0290	0.0311	0.0326	0.0343	0.0345	0.0361	0.066	0.1204
<b>Total</b>	<b>\$ 6.0797</b>	<b>\$ 6.1771</b>	<b>\$ 6.3185</b>	<b>\$ 6.3471</b>	<b>\$ 6.3579</b>	<b>\$ 6.4460</b>	<b>\$ 6.5016</b>	<b>\$ 6.4770</b>	<b>\$ 6.5791</b>	<b>\$ 6.6881</b>

SOURCE: DuPage County Comprehensive Annual Financial Report for the fiscal year ended November 30, 2003

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

<b>Levy Year</b>	<b>Levies (1)</b>	<b>Collections (2)(4)</b>	<b>Percent</b>
1994	\$72,464,656	\$71,115,578	98.14%
1995	69,853,795	68,835,282	98.54%
1996	61,643,533	60,805,119	98.64%
1997	60,305,028	59,902,751	99.33%
1998	60,201,488	59,816,223	99.36%
1999	60,089,130	59,895,853	99.68%
2000	59,999,404	59,821,035	99.70%
2001	59,904,728	59,768,922	99.77%
2002	59,890,523	59,724,648	99.72%
2003	60,035,691	(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 2003 levy will not be made until 2004.

(4) Tax collections are shown net of Court ordered abatements.

Source: DuPage County Comprehensive Annual Financial Report for the fiscal year ended November 30, 2003.