



# **DuPage Water Commission**

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

**NOTICE IS HEREBY GIVEN THAT A SPECIAL COMMITTEE OF THE WHOLE MEETING OF THE DUPAGE WATER COMMISSION WILL BE HELD AT 5:30 P.M. ON THURSDAY, FEBRUARY 10, 2005, AT ITS OFFICES LISTED BELOW. THE AGENDA FOR THE SPECIAL COMMITTEE OF THE WHOLE MEETING IS AS FOLLOWS:**

## **AGENDA**

**DUPAGE WATER COMMISSION  
COMMITTEE OF THE WHOLE  
THURSDAY, FEBRUARY 10, 2005  
5:30 P.M.**

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

- I. Roll Call
- II. Approval of Minutes
  - Committee of the Whole January 13, 2005
- III. Discussion with Representatives from Commonwealth Edison
- IV. Fiscal Year 2005-2006 Capital Improvement Plan
- V. Other
- VI. Adjournment

Board/Agenda/Commission/COW0502doc

All visitors must present a valid drivers license or other government-issued photo identification, sign in at the reception area and wear a visitor badge while at the DuPage Pumping Station.



# DuPage Water Commission

## MEMORANDUM

TO: Chairman Vondra and Commissioners

FROM: Robert L. Martin, P.E.  
General Manager

A handwritten signature in black ink, appearing to read 'RLM', is placed over the printed name and title of the General Manager.

DATE: February 4, 2005

SUBJECT: Capital Improvement Plan  
Backup Generation Issue

Attached are some media articles related to the backup generation issue:

- a. Daily Herald, Wednesday, February 2, 2005 – Naperville alone in fight against water station plan.
- b. Naperville Sun, Thursday, February 3, 2005 – Naperville opposes Water Commission's power plans.
- c. Chicago Tribune, Friday, February 04, 2005 – Backup-generator considered

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# Daily Herald



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## Naperville alone in fight against water station plan

By Jake Griffin Daily Herald Staff Writer

Posted Wednesday, February 02, 2005

Chicago has watered down Naperville's objections to the DuPage Water Commission's capital improvement budget.

Chicago has agreed to pay for a \$14 million emergency generator at its station that feeds Lake Michigan water into the commission's system. That takes care of half the cost of a project that Naperville's city council roundly opposed at Tuesday's meeting.

It also likely killed any chance that other towns would join Naperville's fight, officials said.

"We are better served by a decentralized approach," said Allan Poole, the city's utilities director. "From our viewpoint the bottom line is we'd have more control and you wouldn't be getting your water from one point."

The commission is touting the emergency generator project as a way to ensure fresh water remains flowing in case of a natural or manmade disaster. Another \$14 million emergency generator would be installed at the commission's Elmhurst facility.

Poole contends the better way is to spend only \$12.5 million on similar generators at all the municipalities' reserve wells, which would do the same job for less than half the cost and provide what he says is a safer solution.

Poole is Naperville's representative on the commission.

Since Chicago showed its willingness to pay for half of the emergency back-up project, Poole is convinced the city's concerns will fall on deaf ears with the other municipal representatives of the commission.

"A lot of them feel comfortable with the commission doing it all in one place and want to go forward with it," Poole said.

The commission is expected to vote Feb. 10 on the capital improvement projects.

At the heart of all of this debate is a large surplus in the commission's reserves. Naperville officials, including Poole, want the money rebated to the municipalities. Poole is asking for a 10-cent rate reduction, which towns can then pass on to customers. The reserve is around \$75 million, and the city wants it towered and kept at \$25 million.

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"I would rather see the communities and residents get it than have another midnight raiding party come in again," said Councilman James Boyajian, referring to a controversial cash grab by DuPage County nearly two years ago.

The council passed a resolution urging the commission to rethink the capital program and spend the money on less costly projects so the rate reduction can go forward.

As part of the resolution, the city is asking the commission to forgo a \$12.5 million loan program. Municipalities would get low-interest, 20-year loans to extend the water distribution system through unincorporated areas, but not be able to force annexation of that land for at least a decade.

Poole said that doesn't benefit the people who are already paying into the system.

Water: Officials want surplus to be returned to customers

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# The Naperville Sun

## Naperville opposes Water Commission's power plans

By Katie Foutz and Colt Foutz  
staff writers

Naperville City Council members opposed the DuPage Water Commission's five-year spending plan Tuesday, even as they learned the price tag would drop.

As part of a five-year project plan that would cost more than \$41 million, the DuPage Water Commission has considered building backup generators at its two pumping stations in case a power failure stops the water supply. The commission will discuss the plan and its 2005 budget at its meeting Feb. 10.

The city of Chicago has offered to pay for one \$14 million set of generators at the Lexington pumping station within its city limits, DuPage Water Commission General Manager Robert Martin told commissioners this week.

Water Commissioner Allan Poole, Naperville's public utilities director, said municipalities already hold enough backup. Naperville's wells hold two days of water supplies, and 35 percent of the emergency wells countywide are already equipped with generators, he said.

He said centralizing the generators at the Lexington and Elmhurst pumping stations could be a security risk.

It's also more expensive. The two generators at the pumping stations are priced at \$28 million. But Poole said if the commission were to instead equip every municipal well, that would cost only \$10 million total.

The City Council agreed with Poole, voting 8-0 on Tuesday night to urge the commission not to spend money on needless capital improvement projects and to consider giving cash rebates to member municipalities and reducing water billing rates. Councilman Sam Macrane was absent.

Councilman Richard Furstenau was leaning toward a cash rebate — municipalities can bank that.

Councilman Jim Boyajian said a rate reduction might be in order, and it could keep the county and other groups from vying to carve up the pie. He said the municipalities were probably "all a little asleep at the switch to let the reserve get to where it was."

The commission's current reserves are at \$118 million. The City Council favored capping the reserves at \$25 million.

"I would rather see the residents get it and the neighborhood get it than have a midnight raiding party going in," Boyajian said.

Through a controversial 2003 agreement, the Water Commission pays DuPage County \$15 million per year for five years out of its cash reserves. DuPage County Board Chairman Robert Schillerstrom, R-Naperville, said last week he is not looking for any more money from the commission.

Naperville officials aren't the only ones concerned. Water Commissioner William Mueller, Lombard village president, recently told the DuPage Mayors and Managers Conference why he distrusts some parts of the capital improvement plan.

"(County officials) think we're working for a rate reduction, which is probably true," he said. "We're thinking the county is trying to build up more funds so they can steal more from us."

Schillerstrom praised commissioners for already dropping a \$22 million pipeline extension from their capital projects list but said the rest of the reserves shouldn't sit in the bank.

"They scrapped projects they didn't need, which shows good leadership," he said. "But if you have too much money, give it back to the taxpayers. ... The fairest way is to quit collecting the sales tax."

Poole said the Water Commission needs to keep collecting its quarter-cent sales tax — which raises about \$33 million each year — to pay for new projects and pay off \$235 million in debt.

02/03/05

**Chicago Tribune**  
— ONLINE EDITION —

<http://www.chicagotribune.com/news/local/west/chi-0502040334feb04,1,2698323.story?coll=chi-newslocalwest-hed>

## Backup-generator plan considered

Lyn Niemann

February 4, 2005

**DOWNERS GROVE --** Downers Grove Village Manager Riccardo Ginex doesn't want to dismiss a proposed \$28 million backup generator project just yet.

Downers Grove officials at their Tuesday board meeting talked about the project, which would provide clean drinking water during a catastrophic power outage.

The proposal was discussed during a discussion among area village managers this week.

Naperville nixed the plan, saying that an event of that magnitude was virtually impossible, but Ginex pointed to 2003 outages in Cleveland that affected the water supply.

Downers Grove Mayor Brian Krajewski asked Ginex to talk to other municipalities to gauge their opinion.

Also Tuesday, Ginex thanked both the Police Department and Lombard's Police Chief Ray Byrne for opening a cold-case file that brought Billy Lee Warren, 53, to justice for the 1978 murders of Glenn and Betty Schulz.

Trustees also declined to commit \$10,000 to the Prairie State Games, Illinois' largest amateur sports festival, which is expected to take place in the area June 23-26.

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**DUPAGE WATER COMMISSION  
TENTATIVE DRAFT MANAGEMENT BUDGET &  
FIVE YEAR CAPITAL IMPROVEMENT PLAN  
MAY 1, 2005 TO APRIL 30, 2006**

**Du Page Water Commission  
Tentative Draft Management Budget  
May 1, 2005 to April 30, 2006  
Executive Summary**

- Total budgeted revenues increased \$2.17 million versus the fiscal year 2004-05 budget. Operation and maintenance revenues are based on 94.0% of the IDNR allocation for the fiscal year. The total Charter Customer average water rate will remain \$1.65 per thousand gallons, with operations and maintenance and fixed cost rates being \$1.43 and \$0.22, respectively, per thousand gallons. With the expectation that the economy will continue to rebound, sales tax proceeds are budgeted to increase 2%, or \$1.7 million. Sales tax proceeds will be used to pay 50% of the annual fixed cost requirement. Investment income is budgeted to rise \$0.6 million because of an increase in expected yields and higher cash balances.
- Total operating expenses increased \$0.6 million versus the fiscal year 2004-05 budget. Direct water distribution costs rose by \$4.6 million over last year's budget because of an increase in the Chicago water rate and the \$3.0 million blow-off-valve repair project. The Chicago water rate increased 3.0% on January 1, 2005 and is anticipated to grow by another 3.0% next January. Personnel costs decreased \$2.2 million because of the one-time, \$2.6 million payment to Illinois Municipal Retirement Fund for the Commission's unfunded pension liability in December 2004. Budgeted insurance costs declined by \$1.1 million because of lower insurance premiums. Also, the Commission is no longer budgeting for the entire deductible amount on its property insurance policies and this contributed to the \$1.1 million reduction in insurance costs.
- In January, 2005 the Commission presented its five-year capital improvement program. All new construction will be supported with sales tax revenues. Major repairs to existing facilities are funded by water rates.
- The Commission holds liquid assets, for the purpose of making emergency system repairs, in an amount equal to 2% of the original construction costs escalated by annual increases in the Engineering News Record (ENR) Construction Index. This reserve is expected to increase from \$12.0 million to \$12.4 million during fiscal year 2005-06. Sales tax funds not needed for this contingency will be reserved for new construction. Funds generated by usage charges not required for the contingency balance will be reserved for water rate stabilization.



# **DuPage Water Commission**

## **MEMORANDUM**

**TO:** Robert L. Martin

**FROM:** Cheryl Pattelli

**DATE:** February 2, 2005

**SUBJECT:** Tentative Draft Management Budget vs. Summary of Revenues, Expenditures and Fund Balances

When comparing the figures between the Tentative Draft Management Budget and the Five Year Capital Improvement Plan's Summary of Revenues, Expenditures and Fund Balances, please be aware that there will be slight differences in some of the figures. The Summary of Revenues, Expenditures and Fund Balances was prepared on a cash basis, rather than a budgetary basis, and was prepared prior to the Tentative Draft Management Budget. The Tentative Draft Management Budget has more up-to-date FY04-05 projections, as well as actual FY05-06 budget requests.

I feel the most appropriate time to change the Summary of Revenues, Expenditures and Fund Balances would be after the FY 04-05 actuals are known and after the FY05-06 budget is approved.

Thank you. Please let me know if you have any questions or concerns.

**TOTAL REVENUES AND OPERATING EXPENSES.** The total average Charter Customer water rate will remain \$1.65/1,000 gallons. The operation and maintenance and fixed cost components of the water rate will remain at \$1.43/1,000 gallons and \$0.22/1,000 gallons, respectively. Fiscal year 2004-05 revenues are budgeted to be 6.4% more than the forecasted total revenues of fiscal year 2004-05. The increase can mainly be attributed to a rise in expected water sales. Water sales have been below average the last few years because of cool, wet weather in the Spring and Summer and the 2005-06 budget reflects average sales. The Commission will use sales tax funds to reduce customer fixed cost obligations to 50% of the annual revenue bond debt service requirement.

Operating expenditures in the 2005-06 budget have increased by 8.7% over fiscal year 2004-05 forecasted expenditures. The increase can be attributed to substantially higher water costs resulting from both a rise in expected water sales and a 3% increase in water rates charged by the City of Chicago.

**CONSTRUCTION EXPENDITURES.** Funding for construction expenditures (\$19.9 million) will come first from the remainder of the \$14.4 million freed up by substituting a debt surety bond for the water revenue bond cash debt service reserve account. Since these funds were part of the original revenue bond issue in 1987, they must be applied toward construction. The remaining construction costs will be paid from sales tax proceeds.

Construction projects for fiscal year 2005-06 are outlined in the January 2005 draft five-year planning document. Construction will be completed on a transmission main interconnection contract, TIB-1, between the Northwest and Southwest Transmission Mains along Illinois Route 83 corridor. This will increase the Commission's ability to handle emergencies such as a break in a major transmission main. Construction of the pipe storage facility at tank site #4 is proposed.

The capital improvements at the DuPage Pump Station that are proposed to be started in fiscal year 2005-06 include construction of a material and equipment storage facility, construction of a garage and office building, and realignment of Cadwell Avenue. Construction of a generation facility at the DuPage Pumping Station is budgeted to begin in fiscal year 2005-06 and, if started, could be completed the following fiscal year.

DUPAGE WATER COMMISSION  
TENTATIVE DRAFT MANAGEMENT BUDGET  
MAY 1, 2005 TO APRIL 30, 2006

## EXHIBIT 1

ACCT #	ACCOUNT TITLE	TOTAL FROM	WATER FUND FY 04-05 FORECASTED	WATER FUND FY 04-05 BUDGET	WATER FUND FY 05-06 BUDGET
5000	REVENUES				
5110	O & M PAYMENTS	PAGE 3	43,729,824	47,065,418	47,496,623
5120	FIXED COST PAYMENTS	PAGE 3	7,143,969	7,143,969	7,144,469
5130	SUBSEQUENT CUSTOMER DIFFERENTIAL	PAGE 3	768,857	710,540	710,586
5140	EMERGENCY WATER SERVICE	PAGE 3	59,072	35,016	32,035
5300	SALES TAXES	PAGE 3	32,549,918	32,113,126	33,834,395
5810	INTEREST INCOME	PAGE 3	3,012,992	3,600,000	3,625,000
5900	OTHER INCOME	PAGE 3	5,149	6,300	300
	TOTAL REVENUE		87,269,781	90,674,369	92,843,408
6000	OPERATING EXPENDITURES				
6100	PERSONAL SERVICES	PAGE 5	5,375,342	5,604,604	3,384,809
6200	PROFESSIONAL SERVICES	PAGE 7	196,412	500,950	314,925
6300	PURCHASED SERVICES	PAGE 8	694,116	883,885	600,212
6400	INSURANCE	PAGE 9	953,061	2,095,778	971,497
6500	ADMINISTRATIVE COSTS	PAGE 10	158,048	172,491	211,888
6600	DIRECT WATER DISTRIBUTION COSTS	PAGE 11	46,227,506	49,479,642	54,099,115
6700	BOND INTEREST COSTS	PAGE 12	9,262,718	9,262,719	8,760,389
6800	LAND AND RIGHT-OF-WAY	PAGE 12	0	4,995	9,995
6900	CAPITAL EQUIPMENT/DEPRECIATION	PAGE 13	6,659,570	6,969,232	7,235,230
	TOTAL OPERATING EXPENDITURES		69,526,773	74,974,296	75,588,060
7000	CONSTRUCTION EXPENDITURES	PAGE 14	0	0	0
8000	GRANT TO DU PAGE COUNTY	PAGE 15	0	0	0
	TOTAL EXPENDITURES		69,526,773	74,974,296	75,588,060
	NET OPERATING ACCOUNTING TRANSACTIONS		17,743,008	15,700,073	17,255,348

**FUND BALANCES.** The Commission reports its net assets in accordance with Generally Accepted Accounting Principles (GAAP). For internal management purposes the Unrestricted Net Assets category is divided into three sub-categories:

- 4210 - Unrestricted Net Assets
  - 4211 - Held for emergency repairs;
  - 4212 - Reserved for wholesale water rate stabilization;
  - 4213 - Reserved for the acquisition of capital assets;
  - 4214 - Reserved for water quality loans;
  - 4215 - Reserved for prior service pension costs;
- 4220 - Net Assets Restricted by Ordinance/Resolution;
- 4230 - Net Assets Invested in Property, Plant and Equipment.

The amounts reported in accounts 4211, 4212 and 4213 constitute the Commission's day-to-day operating balance. While the amounts in accounts 4214 and 4215 are not restricted, Account 4220 shows assets held for bond payments and required bond reserves. Account 4230 represents the Commission's infrastructure investment net of unpaid long-term debt used for its construction.

**FUND BALANCE RECOMMENDATION.** At the end of fiscal year 1991-92, the Commission determined that a liquid balance available for emergency repairs equal to 5% of the original construction cost (\$413,500,000) was appropriate. As of July 31, 2003, this policy was changed to 2% of the original construction cost. This balance is adjusted annually by the Engineering News Record (ENR) construction index. This index is estimated to increase by 2.97% between April 30, 2005 and April 30, 2006. Based on these criteria, targeted emergency repairs appropriations are as follows:

<u>Fiscal Year Ended</u>	<u>ENR Index</u>	<u>Target Balance (Budgeted)</u>
April 30, 1992	4946	\$20,700,000
April 30, 2003	6726 (Used)	\$28,100,000
July 31, 2003	6726 (Used)	\$11,200,000
April 30, 2004	7017 (Used)	\$11,700,000
April 30, 2005	7225 (Est)	\$12,000,000
April 30, 2006	7440 (Est)	\$12,400,000

Net cash balances not needed for this contingency will be reserved for the acquisition of capital assets (from sales taxes) and for wholesale water rate stabilization (from water sales revenues). The Commission must carry an additional \$16.5 million of restricted funds to meet water revenue bond ordinance requirements which can be used to pay for major repairs (the depreciation account, \$5.0 million) or to support operations during an emergency (the operations and maintenance reserve account, \$11.5 million). Those amounts must begin to be replenished the month following their use.

DuPAGE WATER COMMISSION  
TENTATIVE DRAFT MANAGEMENT BUDGET  
MAY 1, 2005 TO APRIL 30, 2006

## EXHIBIT 1

ACCT #	ACCOUNT TITLE	TOTAL FROM	WATER FUND FY 04-05 FORECASTED	WATER FUND FY 04-05 BUDGET	WATER FUND FY 05-06 BUDGET
NET ASSETS BALANCE					
	NET CURRENT YEAR TRANSACTIONS	PAGE 1	17,743,008	15,700,073	17,255,348
	FIXED ASSET EQUITY TRANSFERS		0	0	0
	BEGINNING NET ASSET BALANCE		305,852,209	305,132,744	323,595,217
	ENDING NET ASSET BALANCE		323,595,217	320,832,817	340,850,565
NET ASSETS BALANCE ANALYSIS					
4211	HELD FOR EMERGENCY REPAIRS		12,000,000	12,000,000	12,400,000
4212	RESERVED FOR WHOLESALE WATER RATE STABILIZATION		36,345,151	41,841,894	30,061,732
4213	RESERVED FOR THE ACQUISITION OF CAPITAL ASSETS		21,574,483	11,216,854	21,233,588
	NET UNRESTRICTED OPERATING ASSETS		69,919,634	65,058,748	63,695,320
4214	WATER QUALITY LOANS RESERVE		10,000,000	10,000,000	10,000,000
4215	IMRF PRIOR SERVICE PENSION COST RESERVE		0	0	0
4210	TOTAL UNRESTRICTED NET ASSETS		79,919,634	75,058,748	73,695,320
4220	RESTRICTED BY ORDINANCE/RESOLUTION		31,531,849	31,941,573	31,824,363
4230	INVESTED IN PROPERTY PLANT AND EQUIPMENT		212,143,734	213,832,496	235,330,882
	NET ASSETS BALANCE		323,595,217	320,832,817	340,850,565
USE OF OPERATING INCOME					
	NET OPERATING ACCOUNTING TRANSACTIONS		17,743,008	15,700,073	17,255,348
	ITEMS NOT IN ACCOUNTING BUDGET				
	USED FOR G. O. BOND PRINCIPAL		(8,810,000)	(7,945,000)	(9,260,000)
	USED FOR REVENUE BOND PRINCIPAL		(10,355,000)	(9,150,000)	(7,880,000)
	CONSTRUCTION OUTLAYS		(12,511,368)	(19,355,000)	(19,873,000)
	NON-CASH ACCOUNTING EXPENSES				
	DEPRECIATION		6,659,570	6,969,232	7,235,230
	BALANCED BUDGET CALCULATION		(7,273,790)	(13,780,695)	(12,522,423)

**WATER REVENUES.** The average combined Charter Customer operation and maintenance (O&M) and fixed cost rate will remain \$1.65 per 1,000 gallons. Under Illinois PA93-0226, enacted July 22, 2003, the combined rate cannot exceed this level for a period of five years. O&M revenues for fiscal year 2005-06 are based on selling 35.334 billion gallons at a rate of \$1.43 per thousand gallons. Commission customers are expected to use 94.0% of their revised Illinois Department of Natural Resources (IDNR) allocations.

In fiscal year 2005-06, no fixed costs are being assessed under provisions of the Water Purchase and Sale Contract for any of the reserves required under the Revenue Bond Ordinance. All such reserves are fully funded. Fixed cost payments fund only the annual revenue bond principal and interest payments. By using sales taxes to fund 50% of this requirement, the average fixed cost rate will be \$0.22 per 1,000 gallons.

The Subsequent Customer Differential represents three charges (one suspended) and one credit budgeted for existing subsequent customers. One of the charges is the missed fixed cost recapture from January 1, 1989 to the date of first service to the subsequent customer. Billing of the 15% capital risk charge was suspended in January, 2004 in an interim response to PA93-0226. The cost of existing subsequent customer facilities is also recaptured in this line item net of a credit for revenue bond funds used to construct Charter Customer feeder mains and meter stations. No revenues from new subsequent customers have been budgeted for fiscal 2005-06.

**SALES TAXES.** This revenue source had been declining for a few years prior to fiscal year 2004-05. However, retail sales have been rebounding and fiscal year 2004-05 sales tax revenues are forecasted to increase more than 3% over fiscal year 2003-04 actuals. With the expectation that sales tax revenues will continue to rebound, a 2% increase has been budgeted in fiscal year 2005-06 over the current year's forecasted actuals.

**INTEREST INCOME.** The average rate of return has been estimated to be 2.25%. The average invested is estimated to be \$162 million.

**OTHER INCOME.** With no new customer connections constructed by the Commission being imminent, there are no reimbursements of estimated construction costs budgeted. In addition, because the Commission will be transferring title for the Lexington Pump Station and the interconnection tunnel to the City of Chicago, the income collected from an easement lease for right-of-way above the tunnel (\$6,000) will no longer be collected.

DUPAGE WATER COMMISSION  
TENTATIVE DRAFT MANAGEMENT BUDGET  
MAY 1, 2005 TO APRIL 30, 2006

## EXHIBIT 1

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5300	SALES TAXES		32,549,918	32,113,126	33,834,395
5800	INVESTMENT EARNINGS				
5810	INTEREST INCOME		3,012,992	3,600,000	3,625,000
5900	OTHER INCOME		5,149	6,300	300
	TOTAL REVENUE		87,269,781	90,674,369	92,843,408

**FIXED COST PAYMENT SCHEDULE.** As required in the Charter Customer water purchase contract, the schedule of fixed cost payments for the presently served Commission Customers is shown below. The costs are allocated based on historic water use for calendar years 2003 and 2004. However, the average fixed cost rate of \$0.22 per 1,000 gallons is based on the total fixed cost requirement net of sales tax funding (\$7,144,469) divided by the budgeted fiscal year 2005-06 water sales of 35.335 billion gallons.

The fixed cost payment schedule does not include any new customers added during the fiscal year.

DUPAGE WATER COMMISSION  
ESTIMATED CUSTOMER  
FIXED COST PAYMENT SCHEDULE (WF-5120)  
MAY 1, 2005 TO APRIL 30, 2006

## EXHIBIT 1

CUSTOMER	2003 & 2004 CALENDAR YEARS USE (1000 GAL)	2003 & 2004 CALENDAR YEARS % USAGE	REQUIRED FIXED COST PAYMENT \$14,288,938 50% SALES TAX FUNDED (\$7,144,469) AMOUNT TO BE RATE FUNDED \$7,144,469	FOR:	FOR:	FOR:	FOR:	FOR:	FOR:	FOR:	FOR:	FOR:	FOR:	FOR:	FOR:
				05/31/05 DUE:	06/30/05 DUE:	07/31/05 DUE:	08/31/05 DUE:	09/30/05 DUE:	10/31/05 DUE:	11/30/05 DUE:	12/31/05 DUE:	01/31/06 DUE:	02/28/06 DUE:	03/31/06 DUE:	04/30/06 DUE:
ADDISON	2,681,653	4.3590%	\$311,424	\$25,952	\$25,952	\$25,952	\$25,952	\$25,952	\$25,952	\$25,952	\$25,952	\$25,952	\$25,952	\$25,952	\$25,952
BENSENVILLE	1,751,417	2.8469%	203,400	16,950	16,950	16,950	16,950	16,950	16,950	16,950	16,950	16,950	16,950	16,950	16,950
BLOOMINGDALE	1,825,071	2.9666%	211,944	17,662	17,662	17,662	17,662	17,662	17,662	17,662	17,662	17,662	17,662	17,662	17,662
CAROL STREAM	2,826,475	4.5944%	328,248	27,354	27,354	27,354	27,354	27,354	27,354	27,354	27,354	27,354	27,354	27,354	27,354
CLARENDON HILLS	567,064	0.9217%	65,856	5,488	5,488	5,488	5,488	5,488	5,488	5,488	5,488	5,488	5,488	5,488	5,488
DARIEN	1,505,036	2.4464%	174,780	14,565	14,565	14,565	14,565	14,565	14,565	14,565	14,565	14,565	14,565	14,565	14,565
DOWNERS GROVE	4,441,419	7.2194%	515,784	42,982	42,982	42,982	42,982	42,982	42,982	42,982	42,982	42,982	42,982	42,982	42,982
ELMHURST	3,210,909	5.2193%	372,888	31,074	31,074	31,074	31,074	31,074	31,074	31,074	31,074	31,074	31,074	31,074	31,074
GLEN ELLYN	2,061,013	3.3501%	239,352	19,946	19,946	19,946	19,946	19,946	19,946	19,946	19,946	19,946	19,946	19,946	19,946
GLENDALE HTS	1,898,709	3.0863%	220,500	18,375	18,375	18,375	18,375	18,375	18,375	18,375	18,375	18,375	18,375	18,375	18,375
HINSDALE	1,902,147	3.0919%	220,896	18,408	18,408	18,408	18,408	18,408	18,408	18,408	18,408	18,408	18,408	18,408	18,408
ITASCA	1,090,282	1.7722%	126,612	10,551	10,551	10,551	10,551	10,551	10,551	10,551	10,551	10,551	10,551	10,551	10,551
LISLE	1,994,324	3.2417%	231,600	19,300	19,300	19,300	19,300	19,300	19,300	19,300	19,300	19,300	19,300	19,300	19,300
LOMBARD	3,082,164	5.0100%	357,936	29,828	29,828	29,828	29,828	29,828	29,828	29,828	29,828	29,828	29,828	29,828	29,828
NAPERVILLE	12,271,048	19.9463%	1,425,060	118,755	118,755	118,755	118,755	118,755	118,755	118,755	118,755	118,755	118,755	118,755	118,755
OAK BROOK	2,905,112	4.7222%	337,380	28,115	28,115	28,115	28,115	28,115	28,115	28,115	28,115	28,115	28,115	28,115	28,115
ROSELLE	1,645,081	2.6740%	191,052	15,921	15,921	15,921	15,921	15,921	15,921	15,921	15,921	15,921	15,921	15,921	15,921
VILLA PARK	1,423,631	2.3141%	165,324	13,777	13,777	13,777	13,777	13,777	13,777	13,777	13,777	13,777	13,777	13,777	13,777
WESTMONT	1,960,486	3.1867%	227,676	18,973	18,973	18,973	18,973	18,973	18,973	18,973	18,973	18,973	18,973	18,973	18,973
WHEATON	3,875,954	6.3003%	450,120	37,510	37,510	37,510	37,510	37,510	37,510	37,510	37,510	37,510	37,510	37,510	37,510
WILLOWBROOK	815,004	1.3248%	94,644	7,887	7,887	7,887	7,887	7,887	7,887	7,887	7,887	7,887	7,887	7,887	7,887
WOOD DALE	1,062,645	1.7273%	123,408	10,284	10,284	10,284	10,284	10,284	10,284	10,284	10,284	10,284	10,284	10,284	10,284
WOODRIDGE	2,305,774	3.7480%	267,768	22,314	22,314	22,314	22,314	22,314	22,314	22,314	22,314	22,314	22,314	22,314	22,314
WINFIELD	649,770	1.0562%	75,456	6,288	6,288	6,288	6,288	6,288	6,288	6,288	6,288	6,288	6,288	6,288	6,288
OAK BROOK TERRACE	99,300	0.1614%	11,532	961	961	961	961	961	961	961	961	961	961	961	961
IAWC-ARROWHEAD	123,812	0.2013%	14,376	1,198	1,198	1,198	1,198	1,198	1,198	1,198	1,198	1,198	1,198	1,198	1,198
IAWC-VALLEY VIEW	469,783	0.7636%	54,552	4,546	4,546	4,546	4,546	4,546	4,546	4,546	4,546	4,546	4,546	4,546	4,546
IAWC-COUNTRY CLUB	73,495	0.1195%	8,532	711	711	711	711	711	711	711	711	711	711	711	711
IAWC-LMBRD HGHTS	45,995	0.0748%	5,340	445	445	445	445	445	445	445	445	445	445	445	445
IAWC-DP/LISLE	359,961	0.5851%	41,808	3,484	3,484	3,484	3,484	3,484	3,484	3,484	3,484	3,484	3,484	3,484	3,484
ARGONNE NATIONAL LAB	360,144	0.5854%	41,820	3,485	3,485	3,485	3,485	3,485	3,485	3,485	3,485	3,485	3,485	3,485	3,485
IAWC-LIBERTY RIDGE WEST	212,132	0.3448%	24,636	2,053	2,053	2,053	2,053	2,053	2,053	2,053	2,053	2,053	2,053	2,053	2,053
IAWC-LIBERTY RIDGE EAST	23,582	0.0383%	2,736	228	228	228	228	228	228	228	228	228	228	228	228
ROUNDING	0	0.0000%	29	3	3	3	3	3	3	2	2	2	2	2	2
ALL CUSTOMERS TOTAL (1)	61,520,391	100.0000%	\$7,144,469	\$595,373	\$595,373	\$595,373	\$595,373	\$595,373	\$595,372	\$595,372	\$595,372	\$595,372	\$595,372	\$595,372	\$595,372

(1) - CUSTOMER LESS THAN TWO FULL CALENDAR YEARS - USE ALLOCATION

ESTIMATED O & M RATE  
ESTIMATED FIXED COST CHARGE PER 1000 GALLONS  
  
ESTIMATED TOTAL RATE

FY 2005-06	FY 2004-05
\$1.43	\$1.43
0.22	0.22
<u>\$1.65</u>	<u>\$1.65</u>

**SALARIES AND WAGES.** Commission employee wages are established and evaluated according to competitive rates paid by the Commission's customers and general labor market considerations. Increases are awarded to employees on the basis of merit. Normal plant operation staff scheduling accounts for most of the overtime costs. Five new positions were added in fiscal year 2004-05 including one administrative and four operational positions. No new positions have been budgeted for fiscal year 2005-06. In addition, the Manager of Water Operations position has been reevaluated and excluded from the fiscal year 2005-06 budget. Total budgeted positions are 34.

**FRINGE BENEFITS.** The Commission participates in the Illinois Municipal Retirement Fund and its contribution rate for 2005 is 16.21%. The Commission paid its unfunded pension liability of \$2.6 million in December 2004 and contribution rates should be reduced to approximately 9% starting in 2006. The Commission is subject to the 1.45% Medicare tax and the 6.2% Social Security tax.

Group health and life insurance benefits are provided for all full time employees. The Commission received a minor increase in group insurance benefits for calendar year 2005 but the total budget will substantially increase because of the five new positions added in fiscal year 2004-05. The budget is based on actual rates for January 1, 2005, with a 15% increase for the last four months of the budget year.

**PROFESSIONAL DEVELOPMENT.** Travel, training and development are budgeted for courses and seminars related to the Commission's computer system, as well as the overall operations of the Commission's facilities. Tuition reimbursement for employees is also budgeted in this line item.

**OTHER PERSONNEL COSTS.** These expenses are for employee recruitment and annual physical examinations required for normal operating procedures and confined space entry. Due to retirements last year, these costs are lower in fiscal year 2005-06.

DUPAGE WATER COMMISSION  
TENTATIVE DRAFT MANAGEMENT BUDGET  
MAY 1, 2005 TO APRIL 30, 2006

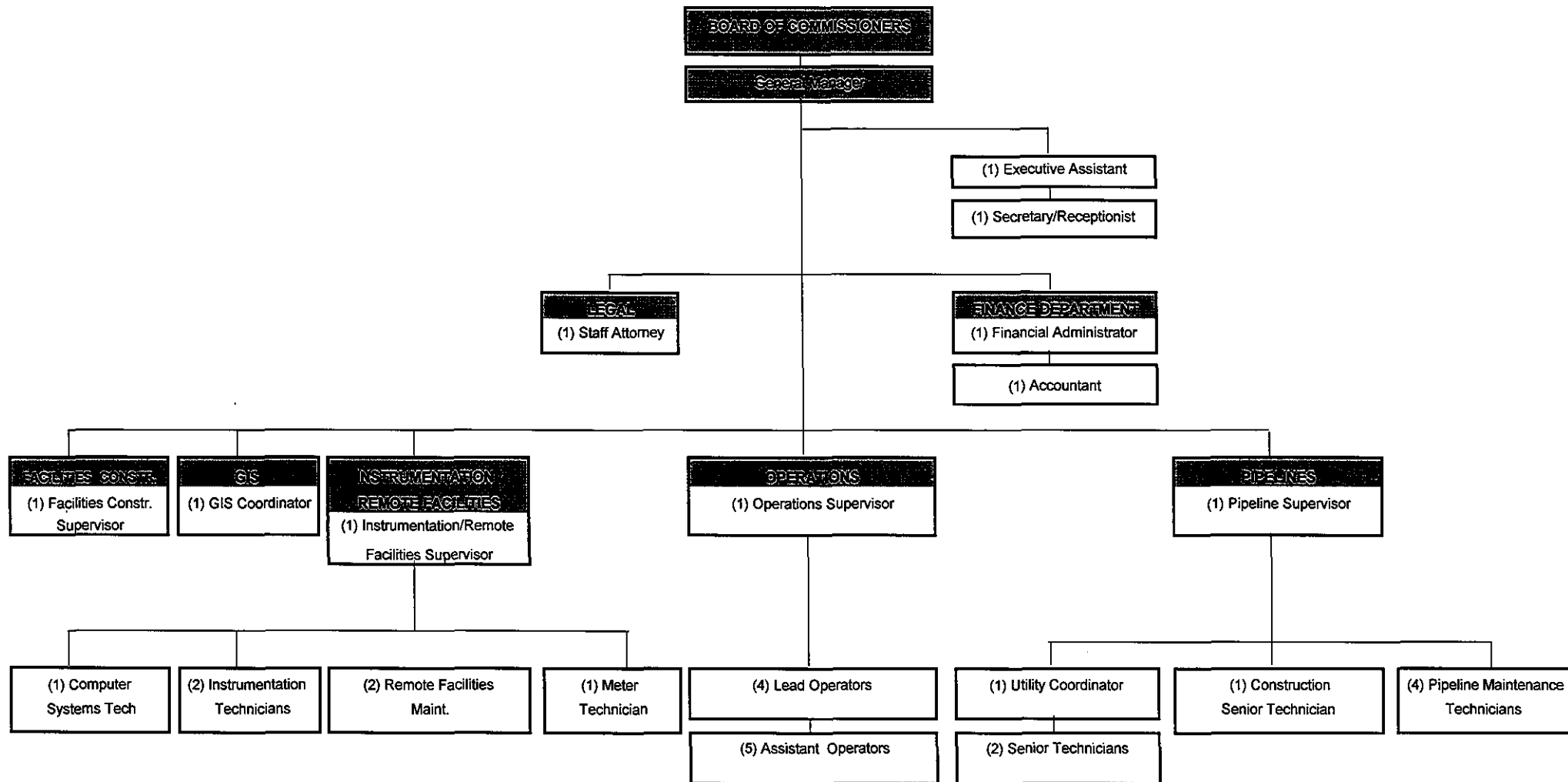
## EXHIBIT 1

ACCT #	ACCOUNT TITLE	TOTAL FROM	WATER FUND FY 04-05 FORECASTED	WATER FUND FY 04-05 BUDGET	WATER FUND FY 05-06 BUDGET
6000	OPERATING EXPENSES				
6100	PERSONAL SERVICES				
6110	SALARIES & WAGES				
6111	ADMINISTRATIVE-REGULAR		775,172	701,468	710,039
6112	OPERATIONS-REGULAR		1,065,605	1,226,961	1,418,273
6116	ADMINISTRATIVE - OVERTIME		1,492	7,015	7,100
6117	OPERATIONS - OVERTIME		134,693	159,505	184,375
6120	FRINGE BENEFITS				
6121	PENSION		2,813,122	2,864,134	318,664
6122	MEDICAL/LIFE BENEFITS		369,549	387,840	431,235
6123	FEDERAL PAYROLL TAXES		143,245	160,264	177,464
6128	STATE UNEMPLOYMENT TAXES		4,727	2,822	4,284
6130	PROFESSIONAL DEVELOPMENT				
6131	TRAVEL		8,314	24,750	17,225
6132	TRAINING		14,280	27,950	29,900
6133	PROFESSIONAL DEVELOPMENT		3,574	17,295	56,650
6190	OTHER PERSONNEL COSTS				
6191	PERSONNEL RECRUITMENT		41,569	24,600	29,600
	TOTAL PERSONAL SERVICES		5,375,342	5,604,604	3,384,809

**PERSONNEL TABLE.** The personal service budget is based on the personnel structure in the table below. The total requested personnel under this budget are 34.

**DUPAGE WATER COMMISSION  
ORGANIZATIONAL CHART  
FISCAL YEAR 2005-2006**

PAGE 6



**FINANCIAL SERVICES.** Follow-up relating to the PA93-0226 pricing study is budgeted for \$50,000 financial consulting and \$10,000 legal consulting. Additional consulting services budgeted for this project total \$20,000. Trust services and bank charges are for revenue and general obligation bonds, as well as investment safekeeping services. The amount budgeted for other financial services includes the revenue bond arbitrage rebate annual calculation and local investment program bank review.

**LEGAL SERVICES.** The budget for general counsel provides for the legal services of a corporate counsel. This budget item has been reduced due to legal work now performed by the in-house staff attorney. Bond counsel will be utilized for tax abatement, arbitrage and miscellaneous bond issues. Special counsel will provide legal services for non-routine matters such as the utility relocation (\$40,000). The other legal service line item provides for defense cost should the Commission become involved in unanticipated litigation.

DuPAGE WATER COMMISSION  
 TENTATIVE DRAFT MANAGEMENT BUDGET  
 MAY 1, 2005 TO APRIL 30, 2006

## EXHIBIT 1

ACCT #	ACCOUNT TITLE	TOTAL FROM	WATER FUND FY 04-05 FORECASTED	WATER FUND FY 04-05 BUDGET	WATER FUND FY 05-06 BUDGET
6200	PROFESSIONAL SERVICES				
6230	FINANCIAL SERVICES				
6231	BOND ADVISORY SERVICES		0	2,000	0
6232	GENERAL FINANCIAL CONSULTING		87,093	235,900	86,050
6233	TRUST SERVICES/BANK CHARGES		27,526	36,300	37,125
6239	OTHER FINANCIAL SERVICES		1,285	1,750	1,750
6250	LEGAL SERVICES				
6251	GENERAL COUNSEL		68,091	60,000	80,000
6252	BOND COUNSEL		0	2,000	2,000
6253	SPECIAL COUNSEL		9,500	135,000	80,000
6258	LEGAL NOTICES		2,892	3,000	3,000
6259	OTHER LEGAL SERVICES		25	25,000	25,000
	TOTAL PROFESSIONAL SERVICES		196,412	500,950	314,925

**AUDIT SERVICES.** The audit service budget is for the annual audit for fiscal year ending April 30, 2005. A 10% increase was budgeted because the Illinois Auditor General will be going out to bid for the audit. The budget is less than fiscal year 2004-05 forecasted actual because tri-annual cash and investment reviews ceased after the August 2004 review, as the Board was advised in November, 2004.

**INSURANCE SERVICES.** The work to be performed has been consolidated with the financial advisor budget on page 7.

**CONSULTING SERVICES.** Major consulting costs in fiscal year 2005-06 include CP-3 and TS-3 corrosion survey completions (\$204,000), 90" Transmission Main corrosion improvement services (\$55,000), Geographical Information System (G.I.S.) conversion and application services (\$85,000), and drafting services (\$25,000). Other minor consulting costs budgeted include blow-off rehabilitation and document management services and other miscellaneous items.

**CONTRACTUAL SERVICES.** Contractual services are for material testing for the blow-off valve repair project, scanning Commission documents to reduce storage space, network support, temporary help and printing of the Commission's annual report.

DUPAGE WATER COMMISSION  
TENTATIVE DRAFT MANAGEMENT BUDGET  
MAY 1, 2005 TO APRIL 30, 2006

## EXHIBIT 1

ACCT #	ACCOUNT TITLE	TOTAL FROM	WATER FUND FY 04-05 FORECASTED	WATER FUND FY 04-05 BUDGET	WATER FUND FY 05-06 BUDGET
6300	PURCHASED SERVICES				
6310	AUDIT SERVICES		54,620	51,175	54,362
6350	INSURANCE SERVICES		0	0	0
6380	CONSULTING SERVICES				
6381	C.A.D.D. MAPPING		0	0	0
6389	OTHER CONSULTING SERVICES		567,742	704,960	416,000
6390	CONTRACTUAL SERVICES				
6391	MATERIAL TESTING		65,000	50,000	50,000
6394	PUBLIC INFORMATION		0	7,000	5,000
6395	CONTRACT LABOR		5,890	5,000	5,000
6399	OTHER CONTRACTUAL SERVICES		864	65,750	69,850
	TOTAL PURCHASED SERVICES		694,116	883,885	600,212

**CASUALTY INSURANCE.** This covers the Commission against operating liabilities. The budget is based on known costs of current policies for the first six months of the fiscal year. The budget for the second half of the fiscal year allows for a 15% adjustment based on general market conditions.

**PROPERTY INSURANCE.** This covers the Commission against damage to its physical plant. The budget is based on known costs of current policies for the first six months of the fiscal year. The budget for the second half of the fiscal year allows for a 15% adjustment based on general market conditions. Reduced availability of this type of insurance has caused the Commission to significantly self-insure its underground facilities.

**OTHER COVERAGES.** The Commission carries deductibles on its property insurance policies. The deductible per above ground incident is \$25,000. Below ground facilities carry a \$1 million deductible per occurrence. Because it is impossible to know if an incident will occur and no known claims are currently outstanding, \$25,000 was budgeted for each type of incident.

DUPAGE WATER COMMISSION  
TENTATIVE DRAFT MANAGEMENT BUDGET  
MAY 1, 2005 TO APRIL 30, 2006

## EXHIBIT 1

ACCT #	ACCOUNT TITLE	TOTAL FROM	WATER FUND FY 04-05 FORECASTED	WATER FUND FY 04-05 BUDGET	WATER FUND FY 05-06 BUDGET
6400	INSURANCE				
6410	CASUALTY INSURANCE				
6411	GENERAL LIABILITY		160,707	178,984	167,849
6412	PUBLIC OFFICIAL'S LIABILITY		79,833	80,000	84,000
6413	TEMPORARY BONDS		364	688	723
6415	WORKER'S COMPENSATION		86,792	71,665	84,044
6416	UMBRELLA COVERAGE		105,846	111,615	114,209
6420	PROPERTY INSURANCE				
6421	TANGIBLE PROPERTY		519,519	627,826	470,672
6422	AUTOMOBILE		0	0	0
6490	OTHER COVERAGE				
6491	SELF INSURED CLAIMS		0	1,025,000	50,000
	TOTAL INSURANCE		953,061	2,095,778	971,497

**OCCUPANCY COSTS.** Amounts have been budgeted for heating the DuPage Pumping Station, as well as for telephone services for that station, mobile telephone communications and the Supervisory Control and Data Acquisition (SCADA) system.

**SUPPLIES AND REFERENCES.** General supplies include office and computer supplies. Books and publications include the purchase of standard construction books used in determining rates for labor and equipment in conjunction with the Commission's quick response repair contracts. There is also an allowance for the purchase of training and reference manuals for the Commission's safety programs.

**PRINTING AND POSTAGE.** Printing costs are for blue-line drawings used in construction in and around the Commission's pipeline. This item also includes the printing of letterhead and other business forms. Postage and delivery is for regular Commission mailings and delivery to various consultants working with the Commission. Postage has risen substantially because of the anticipated rate hike in standard mail and the increased use of next-day service for Commissioner's board packages.

**DUES AND SUBSCRIPTIONS.** The most significant outlays for this line item are memberships in the Association of Metro Water Agencies (\$6,883), Water ISAC (\$4,000) and American Water Works Association and Research fund (\$3,250). The Commission's DSL Internet access subscription (\$2,500) allows for electronic communication between the Commission and its customers and other interested parties.

**OFFICE EQUIPMENT REPAIRS.** This item is for maintaining the Commission's telephone system, copy and facsimile machines, the educational model and other office machines including the administrative and financial computer system.

**OTHER ADMINISTRATIVE EXPENSES.** This item includes funds for various meetings and ceremonial expenses related to Commission business. Recently costs have increased due to criminal background checks performed on contractors working on Commission premises and the addition of employee recognition lunches.

DuPAGE WATER COMMISSION  
TENTATIVE DRAFT MANAGEMENT BUDGET  
MAY 1, 2005 TO APRIL 30, 2006

## EXHIBIT 1

ACCT #	ACCOUNT TITLE	TOTAL FROM	WATER FUND FY 04-05 FORECASTED	WATER FUND FY 04-05 BUDGET	WATER FUND FY 05-06 BUDGET
6500	ADMINISTRATIVE COSTS				
6510	OCCUPANCY COSTS				
6513	BUILDING HEATING		27,799	32,500	35,750
6514	TELEPHONE		28,667	37,000	37,000
6520	SUPPLIES & REFERENCES				
6521	GENERAL SUPPLIES		29,422	20,750	33,600
6522	BOOKS & PUBLICATIONS		3,729	9,290	11,320
6530	PRINTING & PUBLICATIONS				
6531	PRINTING EXPENSE		5,261	5,625	7,400
6532	POSTAGE & DELIVERY		18,922	19,200	29,400
6540	DUES, SUBSCRIPTIONS		20,893	19,658	20,378
6550	OFFICE EQUIPMENT REPAIRS		18,216	25,338	29,540
6590	OTHER ADMINISTRATIVE EXPENSE		5,139	3,130	7,500
	TOTAL ADMINISTRATIVE & MAINTENANCE COSTS		158,048	172,491	211,888

**WATER SUPPLY.** The fiscal year 2005-06 budget assumes a 0.1% increase in demand as projected in the IDNR allocations. Water costs from the City of Chicago are budgeted on the assumption that the Commission's customers will use 94.0% of the 35.334 billion gallons allocated for the fiscal year (33.214 billion gallons). At 97.1% accountability, this means the Commission will purchase 34.206 billion gallons of water at an average rate of \$1.310 per 1,000 gallons. The City of Chicago raised water rates by 3% on January 1, 2005. An additional 3% increase is expected for January 1, 2006. In addition, 80% of the electrical costs and 50% of the labor and repair costs for the Lexington Pump Station are included in the water purchases line item. The budget for this item includes the electrical costs of operating the DuPage Pump Station, the elevated tanks and the metering stations as well as water quality chemicals and testing.

**PUMP STATION OPERATIONS.** This item includes the maintenance and repair of water pumps, reservoirs and the pump station building and purchase of spare parts. Costs of meter testing and instrumentation maintenance are included here. Major cost elements for fiscal year 2005-06 are replacement of seals and bearings on pumps (\$50,000), modification of the UPS system (\$50,000), routine maintenance of the DuPage Pumping Station building and grounds (\$460,487) and upgrade and maintenance of the Supervisory Control and Data Acquisition (SCADA) system (\$146,800).

**PIPELINE MAINTENANCE.** Repairs to the Commission's pipeline include both the Quick Response contract and work done by the Commission staff. Major expenses in this category include the blow-off valve rehabilitation project BOV-2 (\$3 million) and the 90" Transmission Main corrosion improvement project (\$100,000). Maintenance of remote Commission facilities (standpipes, meter stations and remotely operated valves) is budgeted in this category (\$540,200). Pipeline equipment rental, uniforms and supplies are also budgeted here (\$160,850).

**VEHICLES AND EQUIPMENT.** Equipment repairs and maintenance includes the cost of gasoline, oil and repairs to the Commission's vehicles.

DuPAGE WATER COMMISSION  
TENTATIVE DRAFT MANAGEMENT BUDGET  
MAY 1, 2005 TO APRIL 30, 2006

## EXHIBIT 1

ACCT #	ACCOUNT TITLE	TOTAL FROM	WATER FUND FY 04-05 FORECASTED	WATER FUND FY 04-05 BUDGET	WATER FUND FY 05-06 BUDGET
6600	DIRECT WATER DISTRIBUTION COSTS				
6610	WATER SUPPLY				
6611	WATER PURCHASES - CHICAGO CONTRACT		41,362,646	44,633,642	46,355,897
6612	ELECTRICITY		1,993,008	2,096,700	2,353,000
6613	WATER CHEMICALS		31,959	58,000	48,000
6614	WATER TESTING		7,214	8,000	8,000
6620	PUMP STATION OPERATIONS				
6621	PUMPING OPERATIONS		262,933	355,462	254,362
6622	BUILDING MAINTENANCE & REPAIR		273,069	505,083	460,487
6623	METER TESTING & REPAIR		88,870	65,000	23,000
6624	SCADA/INSTRUMENTATION		263,562	336,300	146,800
6625	EQUIPMENT RENTAL		1,845	5,000	7,000
6626	UNIFORMS		3,334	8,000	10,000
6630	PIPE LINE MAINTENANCE				
6631	PIPELINE REPAIRS		1,580,821	1,000,000	3,500,000
6632	PIPELINE CORROSION TESTING		64,971	35,000	10,000
6633	METER STATIONS, ROV, STANDPIPES		144,799	96,850	540,200
6634	PLAN REVIEW - PIPELINE CONFLICTS		76,462	117,400	115,700
6635	EQUIPMENT RENTAL		0	25,000	25,000
6636	UNIFORMS		921	4,500	6,000
6637	PIPELINE SUPPLIES		22,439	38,850	129,850
6640	VEHICLES & EQUIPMENT				
6641	REPAIRS		16,933	54,000	51,750
6642	GASOLINE		30,241	36,000	53,000
6643	LICENSES		1,479	855	1,069
	TOTAL DIRECT WATER DISTRIBUTION COSTS		46,227,506	49,479,642	54,099,115

**BOND INTEREST COSTS.** With the consolidation of the General Obligation Bond Debt Service Fund into the Water Fund, principal payments on these bonds are no longer a budgeted expense. Water revenue bond principal has never been a GAAP budgeted expense. Interest costs are the only budgeted expenses for both the Water Revenue Bonds and General Obligation Bonds. The budget for this line item has been reduced by \$0.5 million. Reductions in principal outstanding over the past fiscal year by regular maturities account for this decrease. Final maturity on the General Obligation Bonds is March 1, 2011. Final maturity on the Water Revenue Bonds was extended by two years in the refunding to May 1, 2016.

**LEASES.** The amount budgeted for leases include Cook County and Illinois State Toll Highway Authority leases for pipeline crossings and the use of the Illinois Toll Highway Authority's antenna system for the Commission's SCADA radio system.

DUPAGE WATER COMMISSION  
TENTATIVE DRAFT MANAGEMENT BUDGET  
MAY 1, 2005 TO APRIL 30, 2006

## EXHIBIT 1

ACCT #	ACCOUNT TITLE	TOTAL FROM	WATER FUND FY 04-05 FORECASTED	WATER FUND FY 04-05 BUDGET	WATER FUND FY 05-06 BUDGET
6700	BOND INTEREST COSTS				
6720	BOND INTEREST				
6721	GENERAL OBLIGATION BONDS		3,294,219	3,294,220	2,944,092
6722	REVENUE BONDS		5,968,499	5,968,499	5,816,297
	TOTAL PRINCIPAL AND INTEREST EXPENSES		9,262,718	9,262,719	8,760,389
6800	LAND AND RIGHT-OF-WAY				
6810	LEASES		0	1,000	1,000
6820	PERMITS & FEES		0	1,000	1,000
6830	EASEMENTS		0	2,995	2,995
6890	RELATED SERVICES		0	0	5,000
	TOTAL LAND AND RIGHT-OF-WAY		0	4,995	9,995

**WATER MAIN, BUILDING AND PUMPING EQUIPMENT DEPRECIATION.** The Commission recognizes depreciation on its water mains, buildings and pumping equipment. Buildings are being depreciated over a 40-year period. Pipelines are estimated to last 80 years. Pumping equipment has a 30-year life.

**EQUIPMENT PURCHASES & DEPRECIATION.** The Commission budgets for the purchase and depreciation of these items in one section. The purpose of budgeting in this manner is to allow control over the purchase of equipment, as well as to plan for depreciation to conform to accounting principles in the annual audit report. The major outlays for fiscal year 2005-06 include replacing the Commission's radio system (\$78,000), acquiring GIS hardware, software and training (\$31,700), purchasing a large format plotter and scanner (\$39,900) and upgrading LAN software and hardware (\$30,000). The estimated remainder of the financial system software and training is budgeted at \$36,000 and an upgrade to the Commission's web site is budgeted at \$15,000. The capitalized equipment budget item is for year-end audit compliance.

**VEHICLE PURCHASES & DEPRECIATION.** The Commission budgets for the purchase and depreciation of these items in one section. The purchase of one new maintenance utility truck, replacement of the Commission's Mack dump truck for a smaller truck, and replacement of a car used by Pipeline personnel are budgeted for in fiscal year 2005-06. The capitalized equipment budget item is for year-end audit compliance.

DUPAGE WATER COMMISSION  
TENTATIVE DRAFT MANAGEMENT BUDGET  
MAY 1, 2005 TO APRIL 30, 2006

## EXHIBIT 1

ACCT #	ACCOUNT TITLE	TOTAL FROM	WATER FUND FY 04-05 FORECASTED	WATER FUND FY 04-05 BUDGET	WATER FUND FY 05-06 BUDGET
6900	CAPITAL EQUIPMENT/DEPRECIATION				
6920	WATER MAINS		4,300,901	4,298,338	4,511,334
6930	BUILDINGS		2,041,745	2,041,528	2,336,745
6940	PUMPING EQUIPMENT		177,871	462,571	177,871
6950	EQUIPMENT PURCHASES & DEPRECIATION				
6951	DATA PROCESSING PURCHASES		9,625	122,700	251,800
6952	OTHER EQUIPMENT PURCHASES		22,392	151,500	81,000
6958	CAPITALIZED EQUIPMENT PURCHASES		(32,017)	(274,200)	(332,800)
6959	EQUIPMENT DEPRECIATION		79,998	106,850	123,904
6960	VEHICLE PURCHASES & DEPRECIATION				
6961	MOTOR VEHICLES PURCHASES		43,891	50,000	127,000
6968	CAPITALIZED VEHICLES PURCHASES		(43,891)	(50,000)	(127,000)
6969	VEHICLE DEPRECIATION		59,055	59,945	85,376
	TOTAL CAPITAL EQUIPMENT/DEPRECIATION		6,659,570	6,969,232	7,235,230
	TOTAL OPERATING EXPENSES		69,526,773	74,974,296	75,588,060

**METERING STATIONS.** All metering station projects are complete. No new customer connections are expected for fiscal year 2005-06.

**DUPAGE PUMPING STATION.** The capital improvements at the DuPage Pump Station that are expected to be completed in fiscal year 2005-06 include construction of a material and equipment storage facility (\$640,000), construction of a garage and office building (\$1.55 million), and realignment of Cadwell Avenue (\$110,000). Construction of a generation facility at the DuPage Pumping Station is expected to begin in fiscal year 2005-06 and could be completed the following fiscal year. Total construction costs for the generation facility are estimated at \$8 million in fiscal year 2005-06 and \$4.5 million in fiscal year 2006-07.

**SYSTEM STORAGE.** Construction of a pipe storage facility at tank site #4 is proposed for fiscal year 2005-06 (\$1.5 million).

**TRANSMISSION MAINS.** The budget (\$6 million) is for completion of Contract TIB-1, which will increase flow in the system in the event of a break on the Northwest or Southwest Transmission Mains. These mains are the primary conduits for water leaving the DuPage Pumping Station. TIB-1 will become the eastern connection between the Southwest and Northwest Transmission Mains along Illinois Route 83.

**FEEDER MAINS.** No new feeder mains are planned for fiscal year 2005-06.

**ENGINEERING, LEGAL, LAND, CONTINGENCY.** The expenditures for engineering, legal, material testing, land and right-of-way and miscellaneous items are all to support the construction of projects listed above. The capitalized fixed asset budget item is for year-end audit compliance.

DUPAGE WATER COMMISSION  
TENTATIVE DRAFT MANAGEMENT BUDGET  
MAY 1, 2005 TO APRIL 30, 2006

## EXHIBIT 1

ACCT #	ACCOUNT TITLE	TOTAL FROM	WATER FUND FY 04-05 FORECASTED	WATER FUND FY 04-05 BUDGET	WATER FUND FY 05-06 BUDGET
7000	CONSTRUCTION EXPENDITURES				
7100	METERING STATIONS		0	0	0
7300	DU PAGE PUMPING STATION		0	5,694,000	10,300,000
7400	SYSTEM STORAGE		38,000	0	1,500,000
7500	TRANSMISSION MAINS		9,809,564	10,095,000	6,000,000
7600	FEEDER MAINS		0	0	0
7910	CONSTRUCTION ENGINEERING				
7912	FACILITIES IMPROVEMENTS		1,329,165	1,360,000	808,500
7913	PIPELINE IMPROVEMENTS		1,269,943	1,375,000	900,000
7914	CUSTOMER ADDITIONS		(2,000)	0	15,000
7915	EMERGENCY CONNECTIONS		0	0	0
7950	LEGAL				
7951	GENERAL COUNSEL		5,365	5,000	10,000
7958	LEGAL NOTICES		2,400	4,000	4,000
7960	PURCHASED SERVICES				
7961	APPRAISAL SERVICES		0	500	500
7962	MATERIAL TESTING SERVICES		53,481	650,000	160,000
7963	VIDEO TAPING		0	6,000	2,500
7970	LAND AND RIGHT-OF-WAY				
7972	PERMITS & FEES		5,450	20,000	22,000
7973	EASEMENTS		0	25,000	30,000
7974	REAL PROPERTY		0	0	0
7979	RELATED SERVICES		0	500	500
7980	CAPITALIZED FIXED ASSETS		(12,511,368)	(19,355,000)	(19,873,000)
7990	MISCELLANEOUS CONSTRUCTION		0	120,000	120,000
	TOTAL CONSTRUCTION EXPENDITURES		0	0	0

**GRANTS.** Public Act 93-0226 of the Illinois State Legislature required a \$75 million grant to DuPage County. The full amount was recognized as a liability on July 22, 2003.

DuPAGE WATER COMMISSION  
TENTATIVE DRAFT MANAGEMENT BUDGET  
MAY 1, 2005 TO APRIL 30, 2006

## EXHIBIT 1

ACCT #	ACCOUNT TITLE	TOTAL FROM	WATER FUND FY 04-05 FORECASTED	WATER FUND FY 04-05 BUDGET	WATER FUND FY 05-06 BUDGET
8001	GRANT TO DU PAGE COUNTY		0	0	0

**DUPAGE WATER COMMISSION  
2005 - 2006  
FIVE YEAR CAPITAL IMPROVEMENT  
PLAN**

**JANUARY 7, 2005**



# **DuPage Water Commission**

## **MEMORANDUM**

**TO:** Chairman Vondra and Commissioners

**FROM:** Robert L. Martin, P.E.  
General Manager

**DATE:** January 7, 2005

**SUBJECT:** Capital Improvement Plan

In accordance with Commission policy, the Capital Improvement Plan is reviewed and evaluated by staff in connection with each new budget cycle. A draft of the updated plan is then submitted to the Commission for its consideration. This annual document is based on the Commission's anticipated needs for normal operations, emergency operations and improvements to the system. Included in the plan is a 15 year projection of revenues, expenditures and fund balances. The proposed capital plan is included in the projection summary.

The plan is divided into several sections – Distribution System Improvements, DuPage Pump Station Improvements, Lexington Pump Station Improvements, and Standpipe Improvements. A summary shows the capital outlay (funded by sales tax revenues) and major non-recurring maintenance (funded by water rates) on a fiscal year basis. Each fiscal year's programmed expenditures are included in the financial projection of Commission revenues and expenditures through fiscal year 2019-20.

The status of the Capital Improvement Plan projects is as follows:

Contract TIB-1: under construction approximately 43% complete

30 Million Gallon Reservoir: design 90% complete

DuPage Electrical Generation Facility: design 30% complete and on hold

Pipe Storage Facility: design complete

The draft fiscal 2005-06 planning document represents the tenth consecutive year in which the Commission has evaluated a Capital Improvement Plan. Utilizing this process over the years has allowed the Commission to have a much

better understanding of its long-term capital and operating needs and the level of funding required from various sources.

Current Commission policy reflected in this plan uses sales tax to pay 50% of the Water Revenue Bonds. Public Act 93-0226, which was enacted on July 22, 2003, requires the Commission to maintain a customer rate of \$1.65 per 1,000 gallons for a period of five years. To accomplish this, and to maintain the rate thereafter, it is necessary to use sales tax beginning in fiscal year 2008-09 to supplement operation and maintenance costs.

Planned improvements accepted by the Board will be included in the 2005-06 budget document. The budget will be sent to the Board for its review in February and released, in tentative draft form, to the Charter Customers prior to March 1, 2005.

**DUPAGE WATER COMMISSION  
2005 – 2006  
FIVE YEAR CAPITAL IMPROVEMENT PLAN**

<b>SUMMARY.....</b>	<b>1</b>
Five Year Projection Assumptions.....	2
Summary of Revenues, Expenditures and Fund Balances.....	3
Summary of Estimated Costs.....	6
<b>DISTRIBUTION SYSTEM IMPROVEMENTS.....</b>	<b>8</b>
Distribution System Introduction.....	9
Proposed Improvements. ....	10
Contract TIB-1; Route 83.....	11
Contract BOV-2.....	13
<b>DUPAGE PUMP STATION IMPROVEMENTS.....</b>	<b>14</b>
8 MW Electrical Generation Facility.....	15
Garage and Office Building.....	17
Material and Equipment Storage Facilities.....	19
Cadwell Avenue Realignment.....	21
Pump #10.....	23
<b>LEXINGTON PUMP STATION IMPROVEMENTS.....</b>	<b>25</b>
Electrical Generator Facility.....	26
<b>STANDPIPE IMPROVEMENTS.....</b>	<b>28</b>
Pipe Storage Facility.....	29
Standpipe Riser Modifications.....	31

**DUPAGE WATER COMMISSION  
2005 – 2006  
FIVE YEAR CAPITAL IMPROVEMENT PLAN**

**SUMMARY**

**DUPAGE WATER COMMISSION  
2005 – 2006  
FIVE YEAR CAPITAL IMPROVEMENT PLAN**

- Operation and maintenance revenues are based on 94.0% of the IDNR allocation for each fiscal year.
- Fixed cost revenue requirements are 50% of the yearly debt service scheduled for the Commission's outstanding revenue bonds. Sales taxes are used to pay the remaining 50%.
- The total charter customer average water rate remains \$1.65 per thousand gallons.
- Sales tax receipts will be used beginning May 1, 2008 to hold the water rate at \$1.65 per thousand gallons.
- Sales tax receipts pay for general obligation bond debt service requirements allowing the abatement of \$13.1 million of property tax annually.
- The 15% subsequent customer capital risk factor has been suspended effective January 1, 2004.
- Sales tax increases 2% annually.
- Interest income is based on prior year's earnings versus prior year's net revenues excluding interest earned applied to the same figure for each projected fiscal year.
- Water purchase expense is based on the Commission billing 97.1% of all water purchased from Chicago and 3% annual increases in the Chicago water rate.
- The 20% water purchase credit is based on annual anticipated purchases. This credit ended during fiscal year 2004-05.
- All other operating expenses not specifically mentioned above are anticipated to rise 5% per year.
- Principal and interest costs are the scheduled debt service payments for the Commission's 2003 revenue bonds and general obligation bonds of 2001.
- Construction and major capital repair costs are inflated 2% per year.
- The target fund balance available for emergency repairs will increase by 3% per year. However, once this amount reaches a targeted maximum of \$20 million, the balance will hold at that level. (Presently the Commission indexes its targeted emergency repair balance to be 2% of the original construction costs escalated by the annual increases in the Engineering News Record Construction Index.)
- Sales tax proceeds not needed for immediate appropriation are reserved for construction. Water sales receipts not needed for immediate appropriation are reserved for rate stabilization.

**DUPAGE WATER COMMISSION - 5 YEAR PROJECTION**  
**SUMMARY OF REVENUES, EXPENDITURES AND FUND BALANCES**  
**MAY 1, 2005 TO APRIL 30, 2010**

ACCOUNT TITLE	ALL FUNDS FY 03-04 ACTUAL	ALL FUNDS FY 04-05 ADJ. BUDGET	ASSUMPTION OR % CHGE FY 06-10 ONLY	ALL FUNDS FY 05-06 PROJECTION	ALL FUNDS FY 06-07 FORECAST	ALL FUNDS FY 07-08 FORECAST	ALL FUNDS FY 08-09 FORECAST	ALL FUNDS FY 09-10 FORECAST
<b>REVENUES</b>								
O & M PAYMENTS	42,485,698	44,853,380	CALCULATED	47,496,509	48,231,400	48,632,815	49,030,289	49,422,953
SALES TAX USED FOR O & M COSTS	0	0	CALCULATED	0	0	0	7,605,961	16,254,414
FIXED COST PAYMENTS (% PAID BY SALES TAX)	8,916,329	7,143,969	50.0%	7,143,969	7,144,469	7,145,094	7,145,344	7,144,719
SUBSEQUENT CUSTOMER DIFFERENTIAL/EMERGENCY SUPPLY	783,326	791,159	1.0%	799,071	807,062	815,133	823,284	831,517
SALES TAX USED FOR CONSTRUCTION AND BOND PAYMENTS	31,620,982	32,632,624	2.0%	33,285,174	33,950,877	34,629,895	27,716,532	19,774,529
INTEREST INCOME	2,321,233	1,753,263	EXTRAPOLATED	1,639,801	1,341,830	1,160,857	1,013,669	976,596
OTHER INCOME	102,058	0	0.0%	0	0	0	0	0
<b>TOTAL REVENUE</b>	<b>86,229,626</b>	<b>87,174,295</b>		<b>90,364,524</b>	<b>91,475,638</b>	<b>92,383,794</b>	<b>93,835,079</b>	<b>94,404,728</b>
<b>OPERATING EXPENDITURES</b>								
WATER PURCHASES (3% ANNUAL RATE INCREASES)	39,013,675	41,615,189	CALCULATED	45,399,451	47,161,752	48,980,542	50,853,868	52,816,847
20% CREDIT THRU OCTOBER 2004	(7,802,735)	(4,611,512)	CALCULATED	0	0	0	0	0
5 YEAR CAPITAL PLAN MAJOR REPAIRS	4,810,523	2,572,000	CALCULATED	3,000,000	1,020,000	0	0	0
OTHER OPERATING EXPENSES (EXCL BOND INTEREST/DEPRC)	10,036,387	10,738,677	5.0%	11,476,082	12,049,886	12,652,380	13,284,999	13,949,249
REVENUE BOND PRINCIPAL AND INTEREST COSTS	20,727,699	14,287,938	CALCULATED	14,287,938	14,288,937	14,290,188	14,290,687	14,289,438
G.O. BOND PRINCIPAL AND INTEREST COSTS	13,112,650	13,122,150	CALCULATED	13,122,150	13,124,150	13,117,900	13,117,650	13,116,900
CAPITAL EQUIPMENT	84,608	88,888	5.0%	93,280	97,944	102,841	107,983	113,382
<b>TOTAL OPERATING EXPENDITURES AND COMMITMENTS</b>	<b>79,982,807</b>	<b>77,813,280</b>		<b>87,378,901</b>	<b>87,742,669</b>	<b>89,143,851</b>	<b>91,655,187</b>	<b>94,285,616</b>
5 YEAR CAPITAL PLAN NEW CONSTRUCTION	3,432,005	10,505,000	CALCULATED	19,589,000	9,935,000	5,171,000	4,691,000	476,000
5 YEAR CONSTRUCTION PLAN RSRVR (DELAY)-CATCH-UP	0	0	CALCULATED	0	0	0	0	0
OTHER MINOR RELATED OUTLAYS	0	250,000	4.0%	250,000	260,000	270,400	281,216	292,465
DUPAGE COUNTY SALES TAX GRANT	15,000,000	15,000,000	PA93-0226	15,000,000	15,000,000	15,000,000	0	0
WATER QUALITY LOANS	4,034,000	1,250,000	BOARD POLICY	4,716,000	0	0	0	0
REVOLVING LOANS	0	0	BOARD POLICY	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000
<b>TOTAL CASH OUTLAYS AND COMMITMENTS</b>	<b>102,448,812</b>	<b>104,818,280</b>		<b>129,433,901</b>	<b>115,437,669</b>	<b>112,085,251</b>	<b>99,127,403</b>	<b>97,554,081</b>
<b>NET TRANSACTIONS</b>								
BEGINNING FIVE YEAR PLAN CASH AND EQUIVALENTS	(16,219,186)	(17,643,985)	CALCULATED	(39,069,377)	(23,962,031)	(19,701,457)	(5,792,324)	(3,149,353)
RELEASE OF REV BOND DSR (SURETY BOND)	136,423,000	136,171,835		118,527,850	79,458,473	55,496,442	35,794,985	30,002,661
CONVERTED (TO) - FROM RESTRICTED OR CAPITAL NET ASSETS	17,837,213	0		0	0	0	0	0
	(1,869,192)	0		0	0	0	0	0
<b>ENDING FIVE YEAR PLAN CASH AND EQUIVALENTS</b>	<b>136,171,835</b>	<b>118,527,850</b>		<b>79,458,473</b>	<b>55,496,442</b>	<b>35,794,985</b>	<b>30,002,661</b>	<b>26,853,308</b>
<b>HELD FOR EMERGENCY REPAIRS-TARGET (1)</b>	<b>11,700,000</b>	<b>12,000,000</b>	<b>3.0%</b>	<b>12,300,000</b>	<b>12,700,000</b>	<b>13,100,000</b>	<b>13,500,000</b>	<b>13,900,000</b>
O&M RATE STABILIZATION RESERVE	44,223,355	40,248,184		29,300,078	18,445,984	6,478,592	0	0
CONSTRUCTION RESERVE	14,282,480	16,563,666		7,858,395	9,350,458	16,216,393	16,502,661	12,953,308
PA93-0226 UNDISTRIBUTED	60,000,000	45,000,000		30,000,000	15,000,000	0	0	0
UNDISTRIBUTED WATER QUALITY LOANS	5,966,000	4,716,000		0	0	0	0	0
<b>ENDING FIVE YEAR PLAN CASH AND EQUIVALENTS BY CATEGORY</b>	<b>136,171,835</b>	<b>118,527,850</b>		<b>79,458,473</b>	<b>55,496,442</b>	<b>35,794,985</b>	<b>30,002,661</b>	<b>26,853,308</b>
<b>O &amp; M RATE</b>	<b>1.38</b>	<b>1.43</b>		<b>1.43</b>	<b>1.44</b>	<b>1.44</b>	<b>1.44</b>	<b>1.44</b>
<b>FIXED COST RATE</b>	<b>0.29</b>	<b>0.23</b>		<b>0.22</b>	<b>0.21</b>	<b>0.21</b>	<b>0.21</b>	<b>0.21</b>
<b>TOTAL RATE</b>	<b>1.67</b>	<b>1.66</b>		<b>1.65</b>	<b>1.65</b>	<b>1.65</b>	<b>1.65</b>	<b>1.65</b>

NOTE (1) - TO MAX OF 20,000,000

REVISED: JANUARY 5, 2005

**DUPAGE WATER COMMISSION - 5 YEAR PROJECTION**  
**SUMMARY OF REVENUES, EXPENDITURES AND FUND BALANCES**  
**MAY 1, 2005 TO APRIL 30, 2010**

ACCOUNT TITLE	ALL FUNDS FY 10-11 FORECAST	ALL FUNDS FY 11-12 FORECAST	ALL FUNDS FY 12-13 FORECAST	ALL FUNDS FY 13-14 FORECAST	ALL FUNDS FY 14-15 FORECAST	ALL FUNDS FY 15-16 FORECAST	ALL FUNDS FY 16-17 FORECAST	ALL FUNDS FY 17-18 FORECAST
<b>REVENUES</b>								
O & M PAYMENTS	49,807,248	50,185,781	50,915,294	51,296,456	51,677,456	52,066,420	52,461,721	60,145,907
SALES TAX USED FOR O & M COSTS	19,384,255	21,826,877	24,058,899	26,762,075	29,474,686	32,347,025	14,883,734	31,326,183
FIXED COST PAYMENTS (% PAID BY SALES TAX)	7,145,219	7,146,219	7,144,594	7,144,844	7,144,163	7,144,969	7,143,844	0
SUBSEQUENT CUSTOMER DIFFERENTIAL/EMERGENCY SUPPLY	839,832	848,230	856,712	865,279	873,932	882,671	891,498	900,413
SALES TAX USED FOR CONSTRUCTION AND BOND PAYMENTS	17,365,267	15,657,635	14,175,303	12,236,811	10,304,178	8,227,416	26,502,196	10,887,466
INTEREST INCOME	960,489	932,480	895,672	949,994	993,742	1,023,343	962,844	1,031,840
OTHER INCOME	0	0	0	0	0	0	0	0
<b>TOTAL REVENUE</b>	<b>95,502,310</b>	<b>96,597,222</b>	<b>98,046,474</b>	<b>99,255,459</b>	<b>100,468,157</b>	<b>101,691,844</b>	<b>102,845,837</b>	<b>104,291,809</b>
<b>OPERATING EXPENDITURES</b>								
WATER PURCHASES (3% ANNUAL RATE INCREASES)	54,830,562	56,898,588	59,063,675	61,291,377	63,582,125	65,983,993	68,497,397	71,076,622
20% CREDIT THRU OCTOBER 2004	0	0	0	0	0	0	0	0
5 YEAR CAPITAL PLAN MAJOR REPAIRS	820,080	836,482	853,212	870,276	887,682	905,436	923,545	942,016
OTHER OPERATING EXPENSES (EXCL BOND INTEREST/DEPRC)	14,646,711	15,379,047	16,147,999	16,955,399	17,803,169	18,693,327	19,627,993	20,609,393
REVENUE BOND PRINCIPAL AND INTEREST COSTS	14,290,437	14,292,438	14,289,187	14,289,688	14,288,325	14,289,937	14,287,688	0
G.O. BOND PRINCIPAL AND INTEREST COSTS	13,121,275	13,119,413	0	0	0	0	0	0
CAPITAL EQUIPMENT	119,051	125,004	131,254	137,817	144,708	151,943	159,540	167,517
<b>TOTAL OPERATING EXPENDITURES AND COMMITMENTS</b>	<b>97,828,116</b>	<b>100,650,972</b>	<b>90,485,327</b>	<b>93,544,557</b>	<b>96,706,009</b>	<b>100,024,636</b>	<b>103,496,163</b>	<b>92,795,546</b>
5 YEAR CAPITAL PLAN NEW CONSTRUCTION	2,032,962	2,073,821	2,115,093	2,157,395	2,200,543	2,244,554	2,289,445	2,335,234
5 YEAR CONSTRUCTION PLAN RSRVR (DELAY)-CATCH-UP	0	0	0	0	0	9,447,000	18,961,000	9,829,000
OTHER MINOR RELATED OUTLAYS	304,164	316,331	328,984	342,143	355,829	370,062	384,864	400,259
DUPAGE COUNTY SALES TAX GRANT	0	0	0	0	0	0	0	0
WATER QUALITY LOANS	0	(305,462)	(401,615)	(764,385)	(764,385)	(764,385)	(764,385)	(764,385)
REVOLVING LOANS	0	0	(192,308)	(384,615)	(576,923)	(769,231)	(961,538)	(961,538)
<b>TOTAL CASH OUTLAYS AND COMMITMENTS</b>	<b>100,165,242</b>	<b>102,735,462</b>	<b>92,335,481</b>	<b>94,895,095</b>	<b>97,921,073</b>	<b>110,552,636</b>	<b>123,405,549</b>	<b>103,634,118</b>
<b>NET TRANSACTIONS</b>	<b>(4,662,932)</b>	<b>(6,138,240)</b>	<b>5,710,993</b>	<b>4,360,364</b>	<b>2,547,084</b>	<b>(8,860,792)</b>	<b>(20,559,712)</b>	<b>657,691</b>
BEGINNING FIVE YEAR PLAN CASH AND EQUIVALENTS	26,853,308	22,190,376	16,052,136	21,763,129	26,123,493	28,670,577	19,809,785	27,153,054
RELEASE OF REV BOND DSR (SURETY BOND)	0	0	0	0	0	0	0	0
CONVERTED (TO) - FROM RESTRICTED OR CAPITAL NET ASSETS	0	0	0	0	0	0	27,902,981	0
<b>ENDING FIVE YEAR PLAN CASH AND EQUIVALENTS</b>	<b>22,190,376</b>	<b>16,052,136</b>	<b>21,763,129</b>	<b>26,123,493</b>	<b>28,670,577</b>	<b>19,809,785</b>	<b>27,153,054</b>	<b>27,810,745</b>
<b>HELD FOR EMERGENCY REPAIRS-TARGET (1)</b>	<b>14,300,000</b>	<b>14,700,000</b>	<b>15,100,000</b>	<b>15,600,000</b>	<b>16,100,000</b>	<b>16,600,000</b>	<b>17,100,000</b>	<b>17,600,000</b>
O&M RATE STABILIZATION RESERVE	0	0	0	0	0	0	0	0
CONSTRUCTION RESERVE	7,890,376	1,046,674	5,956,052	9,052,031	10,334,730	209,553	6,288,437	5,681,743
PA93-0226 UNDISTRIBUTED	0	0	0	0	0	0	0	0
UNDISTRIBUTED WATER QUALITY LOANS	0	305,462	707,077	1,471,462	2,235,847	3,000,232	3,764,617	4,529,002
<b>ENDING FIVE YEAR PLAN CASH AND EQUIVALENTS BY CATEGORY</b>	<b>22,190,376</b>	<b>16,052,136</b>	<b>21,763,129</b>	<b>26,123,493</b>	<b>28,670,577</b>	<b>19,809,785</b>	<b>27,153,054</b>	<b>27,810,745</b>
O & M RATE	1.44	1.44	1.45	1.45	1.45	1.45	1.45	1.65
FIXED COST RATE	0.21	0.21	0.20	0.20	0.20	0.20	0.20	0.00
<b>TOTAL RATE</b>	<b>1.65</b>	<b>1.65</b>	<b>1.65</b>	<b>1.65</b>	<b>1.65</b>	<b>1.65</b>	<b>1.65</b>	<b>1.65</b>

NOTE (1) - TO MAX OF 20,000,000

**DUPAGE WATER COMMISSION - 5 YEAR PROJECTION**  
**SUMMARY OF REVENUES, EXPENDITURES AND FUND BALANCES**  
**MAY 1, 2005 TO APRIL 30, 2010**

ACCOUNT TITLE	ALL FUNDS FY 18-19 FORECAST	ALL FUNDS FY 19-20 FORECAST
<b>REVENUES</b>		
O & M PAYMENTS	60,594,546	61,043,949
SALES TAX USED FOR O & M COSTS	34,573,233	37,924,923
FIXED COST PAYMENTS (% PAID BY SALES TAX)	0	0
SUBSEQUENT CUSTOMER DIFFERENTIAL/EMERGENCY SUPPLY	909,417	918,511
SALES TAX USED FOR CONSTRUCTION AND BOND PAYMENTS	8,484,689	5,994,157
INTEREST INCOME	1,047,344	1,121,062
OTHER INCOME	0	0
<b>TOTAL REVENUE</b>	<b>105,609,229</b>	<b>107,002,602</b>
<b>OPERATING EXPENDITURES</b>		
WATER PURCHASES (3% ANNUAL RATE INCREASES)	73,762,941	76,558,363
20% CREDIT THRU OCTOBER 2004	0	0
5 YEAR CAPITAL PLAN MAJOR REPAIRS	960,856	980,073
OTHER OPERATING EXPENSES (EXCL BOND INTEREST/DEPRC)	21,639,863	22,721,856
REVENUE BOND PRINCIPAL AND INTEREST COSTS	0	0
G.O. BOND PRINCIPAL AND INTEREST COSTS	0	0
CAPITAL EQUIPMENT	175,893	184,688
<b>TOTAL OPERATING EXPENDITURES AND COMMITMENTS</b>	<b>96,539,553</b>	<b>100,444,980</b>
5 YEAR CAPITAL PLAN NEW CONSTRUCTION	2,381,939	2,429,578
5 YEAR CONSTRUCTION PLAN RSRVR (DELAY)-CATCH-UP	0	0
OTHER MINOR RELATED OUTLAYS	416,269	432,920
DUPAGE COUNTY SALES TAX GRANT	0	0
WATER QUALITY LOANS	(764,385)	(764,385)
REVOLVING LOANS	(961,538)	(961,538)
<b>TOTAL CASH OUTLAYS AND COMMITMENTS</b>	<b>97,611,838</b>	<b>101,581,555</b>
<b>NET TRANSACTIONS</b>	<b>7,997,391</b>	<b>5,421,047</b>
BEGINNING FIVE YEAR PLAN CASH AND EQUIVALENTS	27,810,745	35,808,136
RELEASE OF REV BOND DSR (SURETY BOND)	0	0
CONVERTED (TO) - FROM RESTRICTED OR CAPITAL NET ASSETS	0	0
<b>ENDING FIVE YEAR PLAN CASH AND EQUIVALENTS</b>	<b>35,808,136</b>	<b>41,229,183</b>
<b>HELD FOR EMERGENCY REPAIRS-TARGET (1)</b>	<b>18,100,000</b>	<b>18,600,000</b>
O&M RATE STABILIZATION RESERVE	0	0
CONSTRUCTION RESERVE	12,414,749	16,571,411
PA93-0226 UNDISTRIBUTED	0	0
UNDISTRIBUTED WATER QUALITY LOANS	5,293,387	6,057,772
<b>ENDING FIVE YEAR PLAN CASH AND EQUIVALENTS BY CATEGORY</b>	<b>35,808,136</b>	<b>41,229,183</b>
<b>O &amp; M RATE</b>	<b>1.65</b>	<b>1.65</b>
<b>FIXED COST RATE</b>	<b>0.00</b>	<b>0.00</b>
<b>TOTAL RATE</b>	<b>1.65</b>	<b>1.65</b>

NOTE (1) - TO MAX OF 20,000,000

# SUMMARY OF ESTIMATED NEW CONSTRUCTION COSTS

DESCRIPTION (BASED ON FY 05-06 COSTS)	FY 05-06	FY 06-07	FY 07-08	FY 08-09	FY 09-10	TOTAL
<b>DISTRIBUTION SYSTEM IMPROVEMENTS</b>						
Contract TIB-1; Route 83 - Engineering	900,000					900,000
Contract TIB-1; Route 83 - Construction (1)	6,000,000					6,000,000
<b>DUPAGE PUMP STATION IMPROVEMENTS</b>						
8 MW Electrical Generator Facility - Engineering	520,500	470,000				990,500
8 MW Electrical Generator Facility - Construction	8,000,000	4,500,000				12,500,000
Garage/Office Building- Engineering	205,500					205,500
Garage/Office Building- Construction	1,550,000					1,550,000
Granular and Equipment Storage Facilities- Engineering	25,500					25,500
Granular and Equipment Storage Facilities- Construction	640,000					640,000
Cadwell Avenue Realignment- Engineering	26,500					26,500
Cadwell Avenue Realignment- Construction	110,000					110,000
Pump #10-Engineering					40,000	40,000
Pump #10-Installation					400,000	400,000
Reservoir Engineering & Construction (2)						
<b>LEXINGTON PUMP STATION IMPROVEMENTS</b>						
Generator Facility - Engineering		770,500	470,000	420,000		1,660,500
Generator Facility - Construction		4,000,000	4,500,000	4,000,000		12,500,000
<b>STANDPIPE IMPROVEMENTS</b>						
Pipe Storage Facility- Engineering	20,500					20,500
Pipe Storage Facility- Construction	1,500,000					1,500,000
Standpipe #4 East Riser Pipe Modifications- Engineering	10,500					10,500
Standpipe #4 East Riser Pipe Modifications- Construction	80,000					80,000
	<u>19,589,000</u>	<u>9,740,500</u>	<u>4,970,000</u>	<u>4,420,000</u>	<u>440,000</u>	<u>39,159,500</u>
<b>INFLATION FACTOR 2% PER YEAR</b>	100.0%	102.0%	104.0%	106.1%	108.2%	101.8%
	<u>19,589,000</u>	<u>9,935,000</u>	<u>5,171,000</u>	<u>4,691,000</u>	<u>476,000</u>	<u>39,862,000</u>

Note (1) - Includes legal, property acquisition (if any) and soil testing services.

Note (2) - Deferred until FY 10-11. Completed FY 12-13. Estimated costs are as follows:

FY 15-16 \$ 7,700,000  
FY 16-17 \$15,250,000  
FY 17-18 \$ 7,750,000

# SUMMARY OF ESTIMATED MAJOR REPAIR COSTS

BASED ON FY 05-06 COSTS		FY 05/06	FY 06/07	FY 07/08	FY 08/09	FY 09/10	Total
DISTRIBUTION SYSTEM IMPROVEMENTS							
Contract BOV-2; Rehab Blowoff Valves 90" TM-Engineering Design							
Contract BOV-2; Rehab Blowoff Valves 90" TM-Engineering Tech Observ.		DWC In House					
Contract BOV-2; Rehab Blowoff Valves 90" TM-Construction		3,000,000	1,000,000				4,000,000
PUMP STATION IMPROVEMENTS							
None							
STANDPIPE IMPROVEMENTS							
None							
		3,000,000	1,000,000	0	0	0	4,000,000
INFLATION FACTOR 2% PER YEAR		100.0%	102.0%	104.0%	106.1%	108.2%	100.5%
		3,000,000	1,020,000	0	0	0	4,020,000

**DUPAGE WATER COMMISSION  
2005 – 2006  
FIVE YEAR CAPITAL IMPROVEMENT PLAN**

**DISTRIBUTION SYSTEM IMPROVEMENTS**

**DUPAGE WATER COMMISSION  
2005 – 2006  
FIVE YEAR CAPITAL IMPROVEMENT PLAN**

**DISTRIBUTION SYSTEM INTRODUCTION**

The Commission operates and maintains 170 miles of pipeline ranging in size from 12" to 90" in diameter. Water supply from Chicago is provided by 90" and 72" Transmission Mains. The 90" Transmission Main, with a C-factor of 120, is sized for the year 2020 maximum day demand for the Commission's service area. The 72" Transmission Main, with a C-factor of 120, is sized to provide year 2020 average day demand. Average day demand is defined as the total amount of water used by a customer within a year divided by 365. The projected average day demand is referred to as the Department of Natural Resources (DNR) allocation. Maximum day demand is defined in the Water Purchase Agreement as 1.7 times average day demand.

The pipeline system within DuPage County is sized in accordance with DNR allocations that were based upon estimates made by Commission customers in the early 1980's. This is also based upon C-factors of 120 for pipelines greater than 20" in diameter and 100 for pipelines 20" or smaller in diameter. The distribution system is looped to minimize disruption in the event of a break in one of the mains.<sup>1,2</sup>

The following are the 2005 IDNR allocations for Commission customer utilities:

	MGD		MGD
Addison	4.561	IAWC-Lombard Heights	0.072
Argonne N L	0.758	IAWC-Valley View	0.700
Bensenville	2.704	Itasca	1.764
Bloomingtondale	2.803	Lisle	3.225
Carol Stream	4.531	Lombard	4.909
Clarendon Hills	0.716	Naperville	20.534
Darien	2.781	Oak Brook	4.133
Downers Grove	6.823	Oakbrook Terrace	0.221
Elmhurst	4.683	Roselle	2.237
Glen Ellyn	2.950	Villa Park	2.115
Glendale Heights	3.049	Westmont	2.884
Hinsdale	2.655	Wheaton	5.873
IAWC-Arrowhead	0.196	Willowbrook	1.342
IAWC-Country Club Est	0.117	Winfield	1.141
IAWC-DuPage/Lisle	0.598	Wood Dale	1.654
IAWC-Liberty Ridge East	0.051	Woodridge	3.208
IAWC-Liberty Ridge West	0.349	Total	96.323

<sup>1</sup> Funds are available in the emergency reserve for C-Factor corrective action.

<sup>2</sup> The hydraulic analysis reflected in this plan was based upon the original design C-Factors and not the present C-Factors.

**DUPAGE WATER COMMISSION  
2005 – 2006  
FIVE YEAR CAPITAL IMPROVEMENT PLAN**

**PROPOSED IMPROVEMENTS**

As approved in previous Capital Improvement Plans, the Commission is constructing the Inner Belt Transmission Main, Contract TIB-1. This transmission main will increase flow in the system in the event of a break on the Northwest or Southwest Transmission Mains. These mains are the primary conduits for water leaving the DuPage Pumping Station. TIB-1 will become the eastern connection between the Southwest and Northwest Transmission Mains along Illinois Route 83.

To eliminate the need to repair or replace leaking corroded blow-off valves throughout the DuPage County, the rehabilitation of 320 blow-off valves on the Commission's transmission and feeder mains, Contract BOV-1, was completed this fiscal year. To provide the same level of protection for the 90" Transmission Main, Contract BOV-2 has been proposed which rehabilitates 29 blow-off valves. The 72" Transmission Main blow-off valves were installed with the non-corroding bolt design.

**DUPAGE WATER COMMISSION  
2005 – 2006  
FIVE YEAR CAPITAL IMPROVEMENT PLAN**

**PROJECT:** Contract TIB-1; Route 83

**LOCATION:** Elmhurst and Oakbrook Terrace

**DESCRIPTION:** Install 11,000 feet of a 72" transmission main and one remotely operated valve. This transmission main will connect the Northwest Transmission Main with Southwest Transmission Main by Route 83.

**PURPOSE:** To increase flow in the event of a break on the Northwest or Southwest Transmission Mains which are the main conduits for water leaving the DuPage Pumping Station.

**BENEFIT:** During a break of the Southwest Transmission or Northwest Transmission Main, service is disrupted. This improvement minimizes the disruption and provides additional flow to satisfy average day demand during emergency conditions.

**ESTIMATED COST (2004 DOLLARS):**

**ENGINEERING:** \$900,000 (Remaining for 2005-06)

**LAND/ROW:** Minimal; pipe installed in public right-of-way

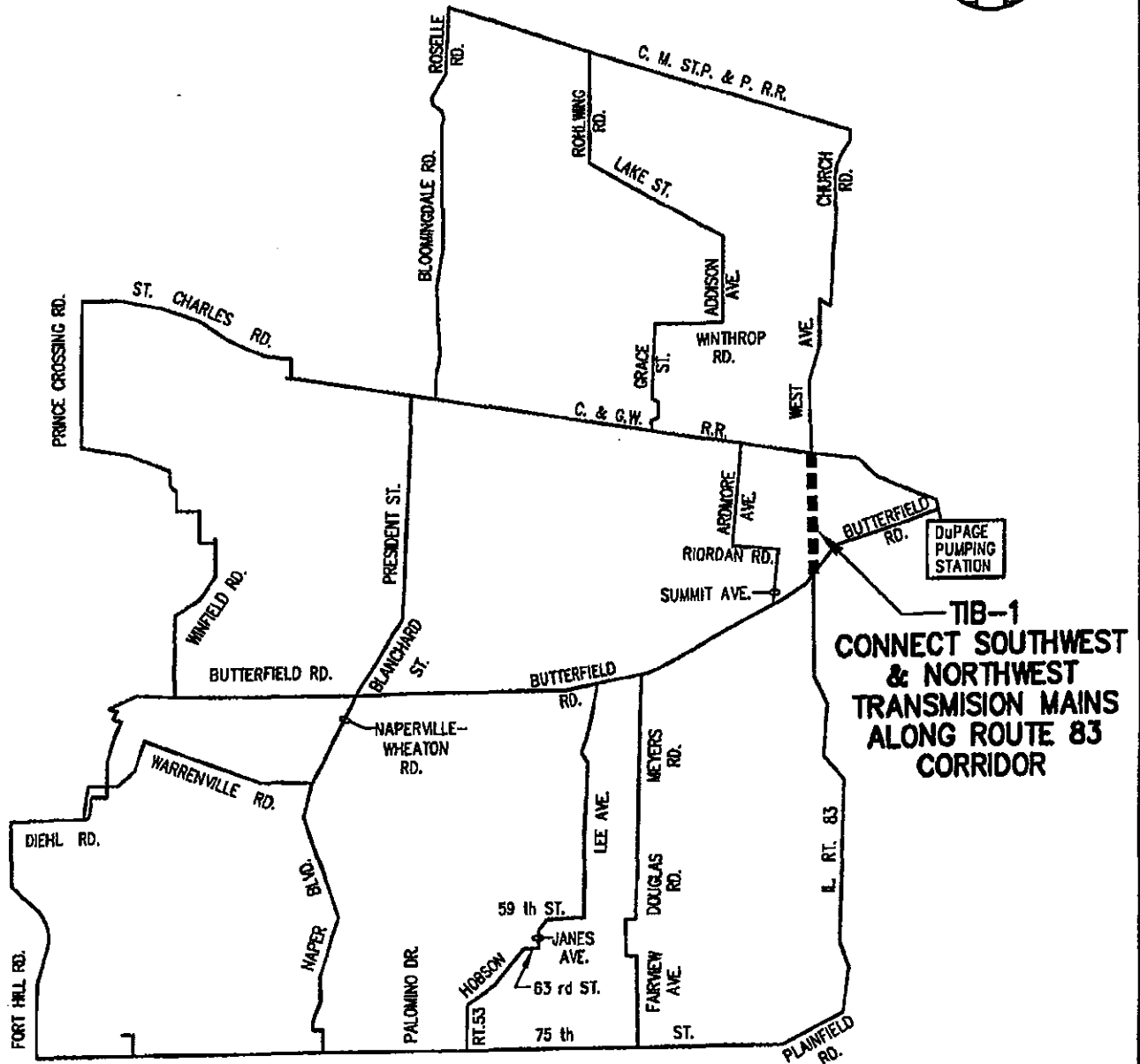
**CONSTRUCTION:** \$6,000,000 (Remaining for 2005-06)

**TIMING:** Fiscal year 2005-2006 – Construction completed

Agreement Date: January 7, 2004  
Completion Date: August 29, 2005  
Amended Contract Cost: \$15,304,233.01

See location map on next page.

# CONTRACT TIB-1 DU PAGE WATER COMMISSION



**DUPAGE WATER COMMISSION  
2005 – 2006  
FIVE YEAR CAPITAL IMPROVEMENT PLAN**

**PROJECT:** Contract BOV-2; Rehab Blow-off Valves 90"

**LOCATION:** Cook County

**DESCRIPTION:** Rehabilitate 29 blow-off valves on the Commission's 90" Transmission Main

**PURPOSE:** To reduce the number of leaking blow-off valves that requires continuous repair and/or replacement by systematically rehabilitating all such valves.

**BENEFIT:** This rehabilitation will eliminate untimely leaks along the 90" Transmission Main.

**ESTIMATED COST (2004 DOLLARS):**

**ENGINEERING:** \$10,000 (Remaining; reviews only, technical observation by DWC personnel)

**LAND/ROW:** None; work performed on Commission owned pipe

**CONSTRUCTION:** \$4,000,000

**TIMING:** Fiscal Year 2004-2005 – Design completed  
Fiscal Year 2006-2007 – Construction completed

**DUPAGE WATER COMMISSION  
2005 – 2006  
FIVE YEAR CAPITAL IMPROVEMENT PLAN**

**DUPAGE PUMP STATION IMPROVEMENTS**

**DUPAGE WATER COMMISSION  
2005 – 2006  
FIVE YEAR CAPITAL IMPROVEMENT PLAN**

**PROJECT:** 8 MW Electrical Generation Facility

**LOCATION:** East side of the DuPage Pumping Station service yard

**DESCRIPTION:** Building and diesel fueled generators.

**PURPOSE:** Backup electrical power to provide average day flow.

**BENEFIT:** To maintain pumping operations during electrical power outages. In addition, installed generation will allow DWC to enter into a "curtailable" electric rate structured contract which will save approximately 10% to 20% in electrical charges.

**ESTIMATED COST (2004 DOLLARS):**

**ENGINEERING:** \$990,500 (Remaining)

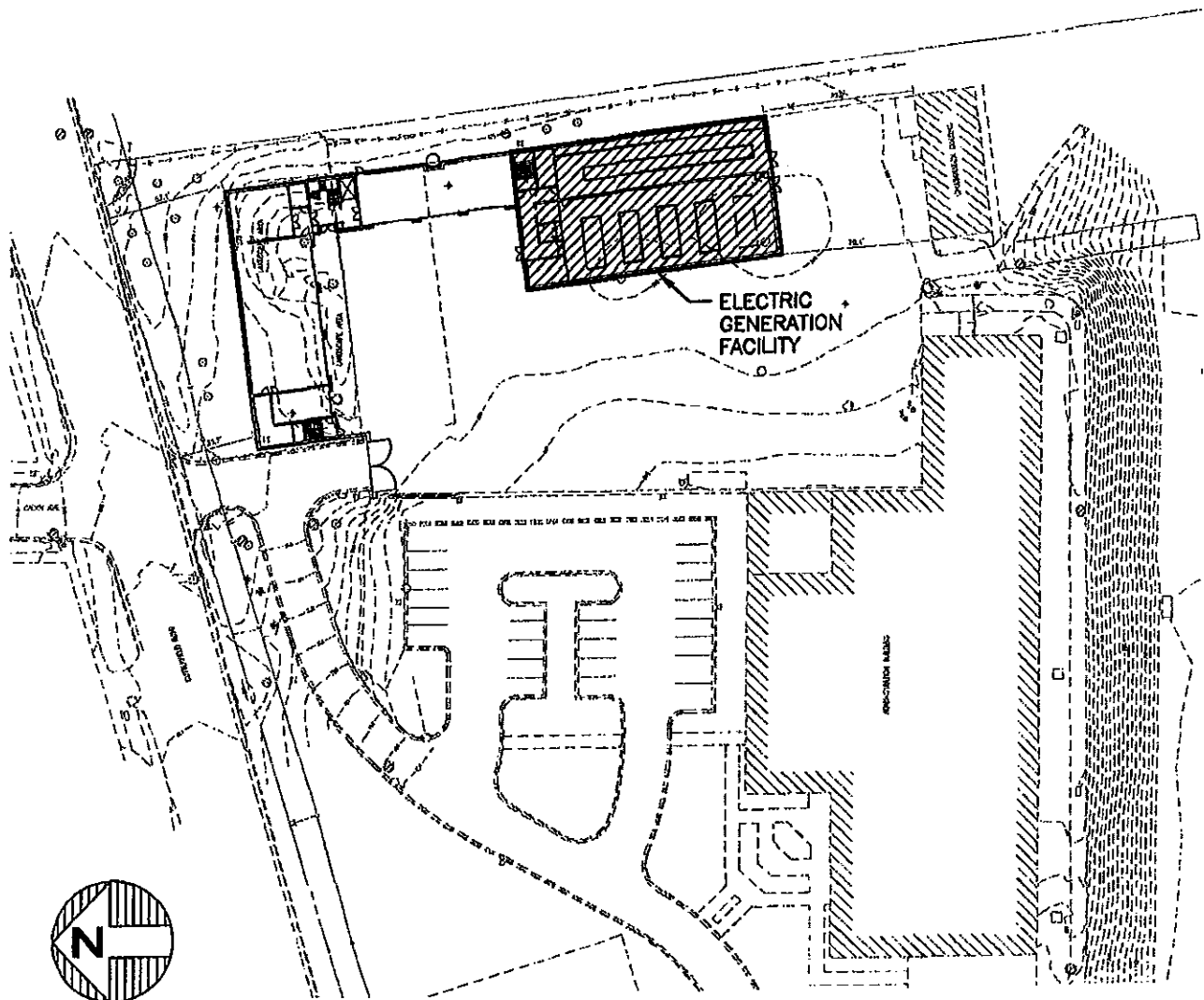
**LAND/ROW:** Constructed on property owned by Commission

**CONSTRUCTION:** \$12,500,000

**TIMING:** Fiscal year 2005-2006 – Complete design, construction begins  
Fiscal year 2007-2008 – Complete construction

See site plan on next page.

# PROPOSED 8 MW ELECTRIC GENERATION FACILITY DU PAGE WATER COMMISSION



**DUPAGE WATER COMMISSION  
2005 – 2006  
FIVE YEAR CAPITAL IMPROVEMENT PLAN**

**PROJECT:** Garage/Office Building

**LOCATION:** East side of the DuPage Pumping Station service yard

**DESCRIPTION:** Small vehicle, parts storage and additional office space for Pipeline, Facilities Construction and GIS Staff.

**PURPOSE:** To provide garage space for vehicles and spare/stock parts. In addition, provide office space and training facilities for staff.

**ESTIMATED COST (2004 DOLLARS):**

**ENGINEERING:** \$205,500

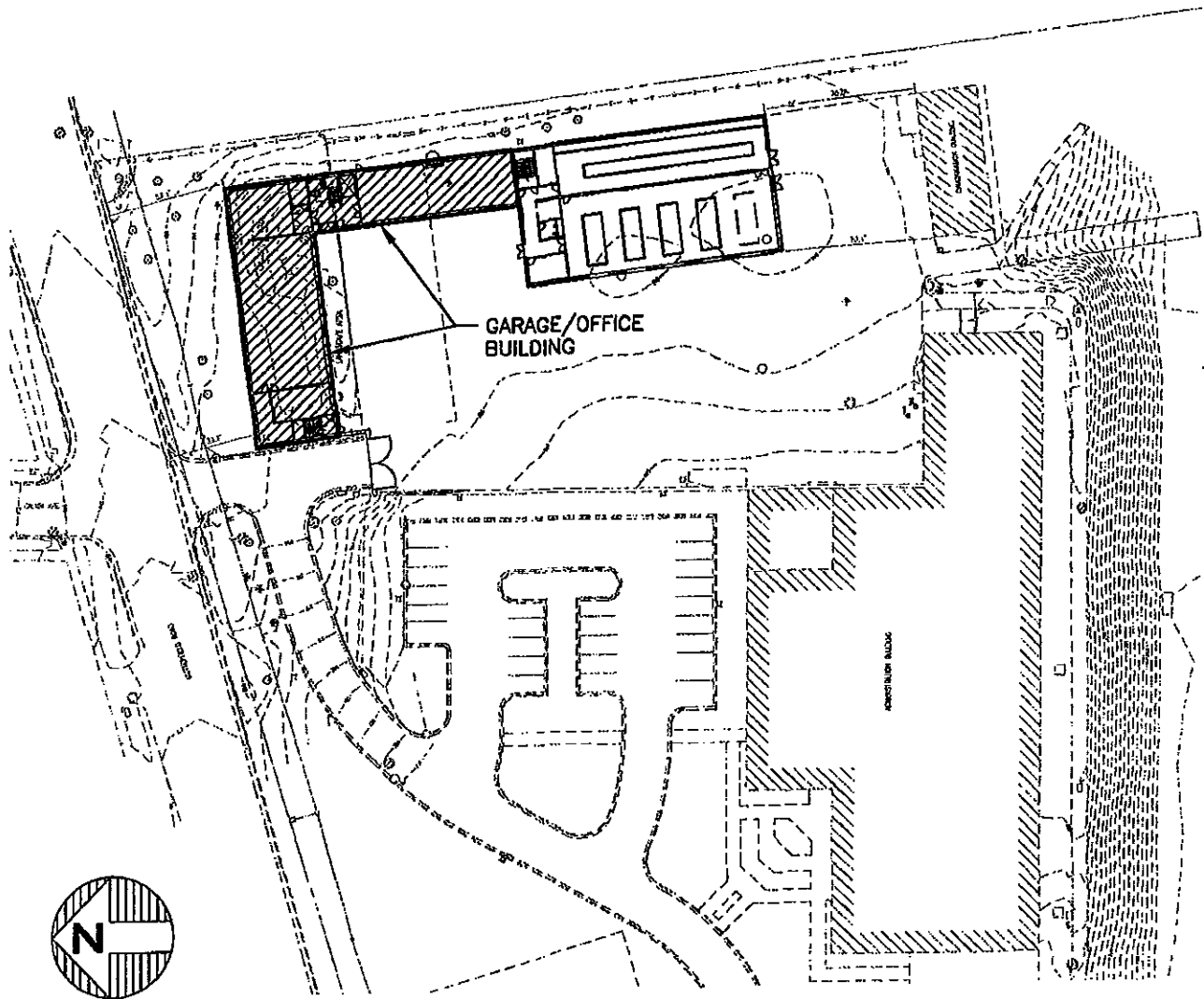
**LAND/ROW:** Constructed on property owned by Commission

**CONSTRUCTION:** \$1,550,000

**TIMING:** Fiscal Year 2005-2006 – Design and Construction

See site plan on next page.

# PROPOSED GARAGE/OFFICE BUILDING DU PAGE WATER COMMISSION



**DUPAGE WATER COMMISSION  
2005 – 2006  
FIVE YEAR CAPITAL IMPROVEMENT PLAN**

**PROJECT:** Material and Equipment Storage Facilities

**LOCATION:** South side of the DuPage Pumping Station existing 30 MG reservoir

**DESCRIPTION:** Three sided material storage and a garage for heavy equipment.

**PURPOSE:** To stockpile granular and landscape materials for facilities maintenance and a garage for heavy vehicles and equipment.

**BENEFIT:** To provide indoor housing for vehicles and equipment and allowing for materials on hand.

**ESTIMATED COST (2004 DOLLARS):**

**ENGINEERING:** \$25,500

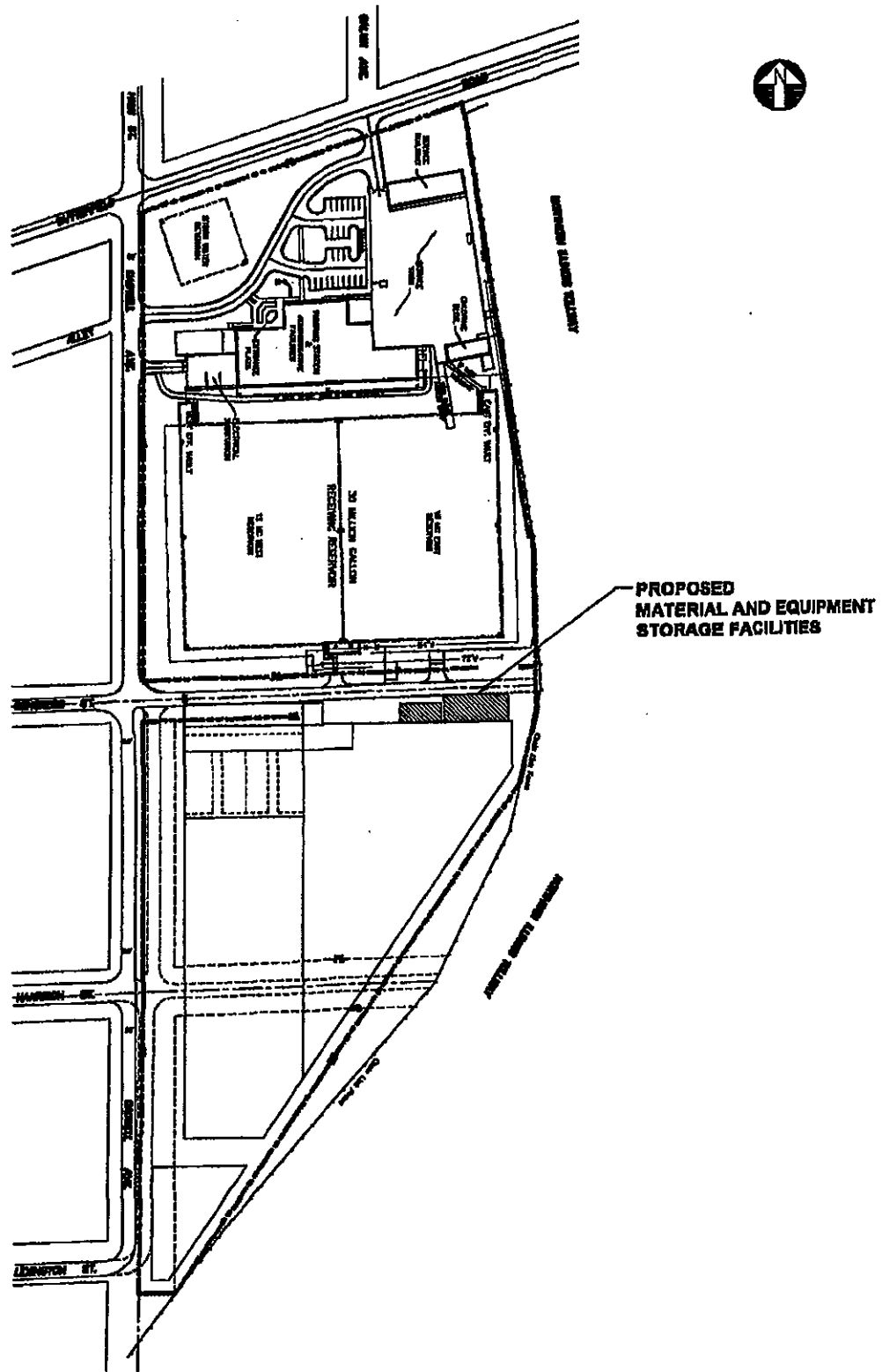
**LAND/ROW:** Constructed on property owned by Commission

**CONSTRUCTION:** \$640,000

**TIMING:** Fiscal Year 2005-2006 – Design and Construction

See site plan on next page.

# PROPOSED MATERIAL AND EQUIPMENT STORAGE FACILITIES DU PAGE WATER COMMISSION



**DUPAGE WATER COMMISSION  
2005 – 2006  
FIVE YEAR CAPITAL IMPROVEMENT PLAN**

**PROJECT:** Cadwell Avenue Realignment

**LOCATION:** On the south and west sides of the DuPage Pumping Station existing 30 MG reservoir

**DESCRIPTION:** Remove existing township road and replace with Elmhurst road aligned with existing improved roadway.

**PURPOSE:** Allows the Commission to formally abandon Congress and Harrison Avenue right of ways as approved in an Intergovernmental Agreement with the City of Elmhurst.

**BENEFIT:** Allows for relocation of utilities and thereby allowing the Commission to provide and install additional perimeter security at the DuPage Pumping Station.

**ESTIMATED COST (2004 DOLLARS):**

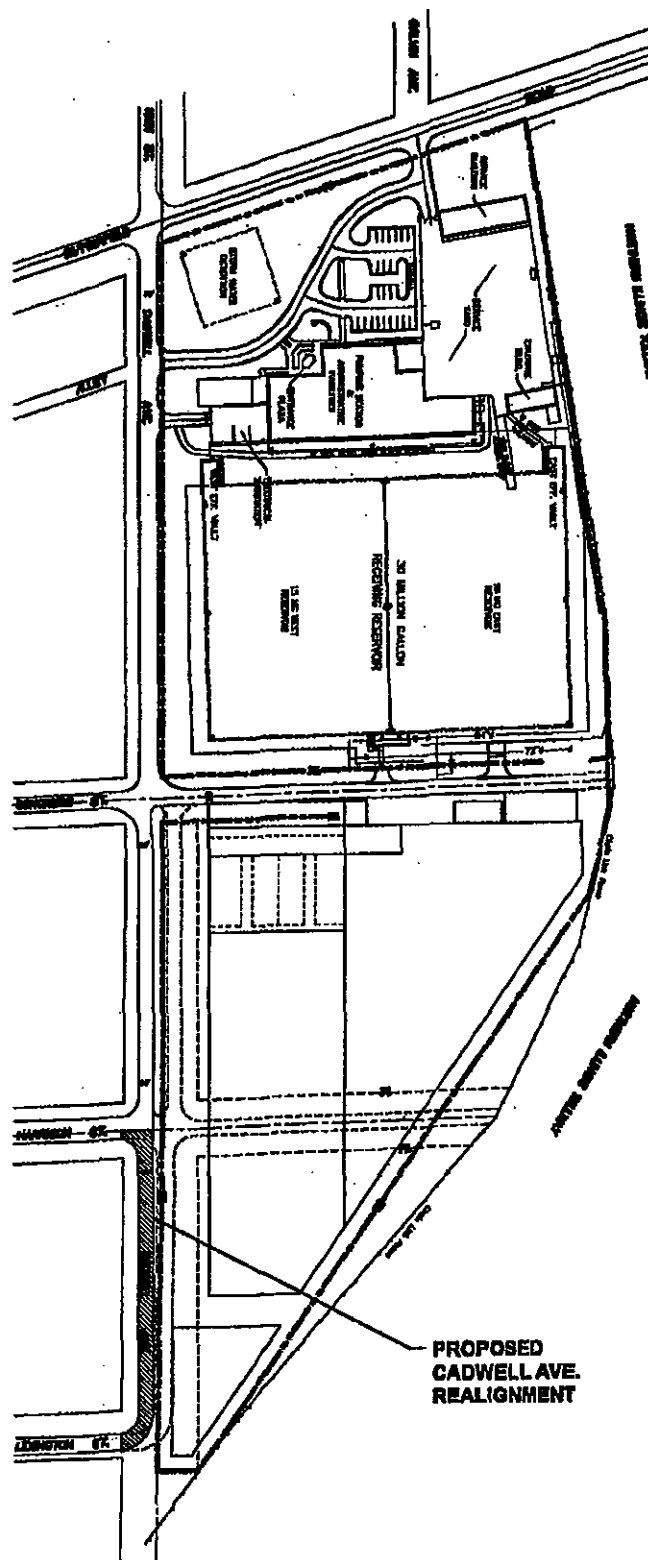
**ENGINEERING:** \$26,500

**LAND/ROW:** None; previously negotiated and approved

**CONSTRUCTION:** \$110,000

**TIMING:** Fiscal Year 2005-2006 – Design and Construction

See site plan on next page.



**DUPAGE WATER COMMISSION  
2005 – 2006  
FIVE YEAR CAPITAL IMPROVEMENT PLAN**

**PROJECT:** Pump #10

**LOCATION:** DuPage Pumping Station

**DESCRIPTION:** Install 30 MGD split case centrifugal pump and associated piping in space reserved for future pump.

**PURPOSE:** To increase firm pumping capacity from 210 MGD to 240 MGD to satisfy future demand requirements.

**BENEFIT:** To keep up with current rising water demands, new customers and maintain current ability to remove pumps from service without reducing pumping capacity.

**ESTIMATED COST (2004 DOLLARS):**

**ENGINEERING:** \$40,000 (10%)

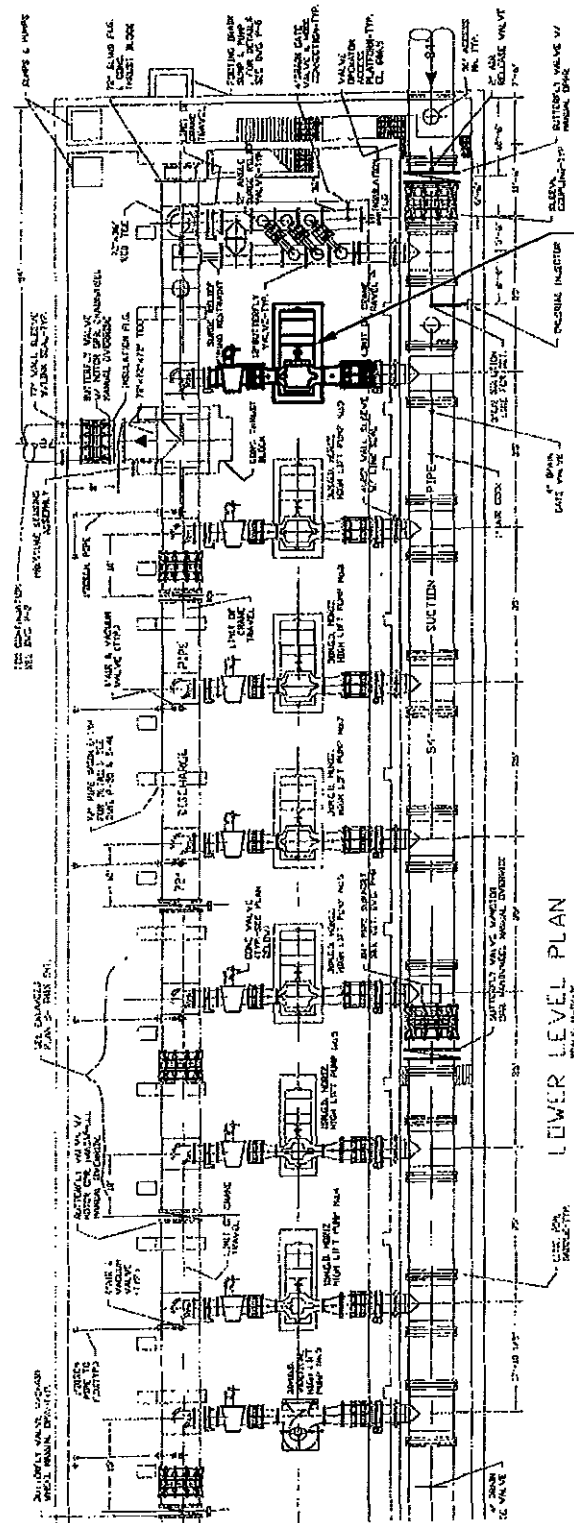
**LAND/ROW:** Improvements to be constructed on property presently owned by the Commission

**CONSTRUCTION:** \$400,000

**TIMING:** Fiscal year 2009-2010 – Engineering  
Fiscal year 2009-2010 – Installation

See drawing on next page.

# PROPOSED PUMP #10 DU PAGE WATER COMMISSION



30M.G.D. HORIZ.  
HIGH LIFT PUMP  
No.10

LOWER LEVEL PLAN

**DUPAGE WATER COMMISSION  
2005 – 2006  
FIVE YEAR CAPITAL IMPROVEMENT PLAN**

**LEXINGTON PUMP STATION IMPROVEMENTS**

**DUPAGE WATER COMMISSION  
2005 – 2006  
FIVE YEAR CAPITAL IMPROVEMENT PLAN**

**PROJECT:** Electrical Generation Facility

**LOCATION:** City of Chicago Lexington Pumping Station

**DESCRIPTION:** Building and stand-by generators

**PURPOSE:** To provide backup electrical power

**BENEFIT:** To provide continuous pumping operations to the DuPage Pumping Station during electrical power outages in the City of Chicago. In addition, installed generation will allow the City to enter into a "curtailable" electric rate structured contract which will save approximately 10% to 20% in electrical charges to the Commission.

**ESTIMATED COST (2004 DOLLARS):**

**ENGINEERING:** \$1,660,500

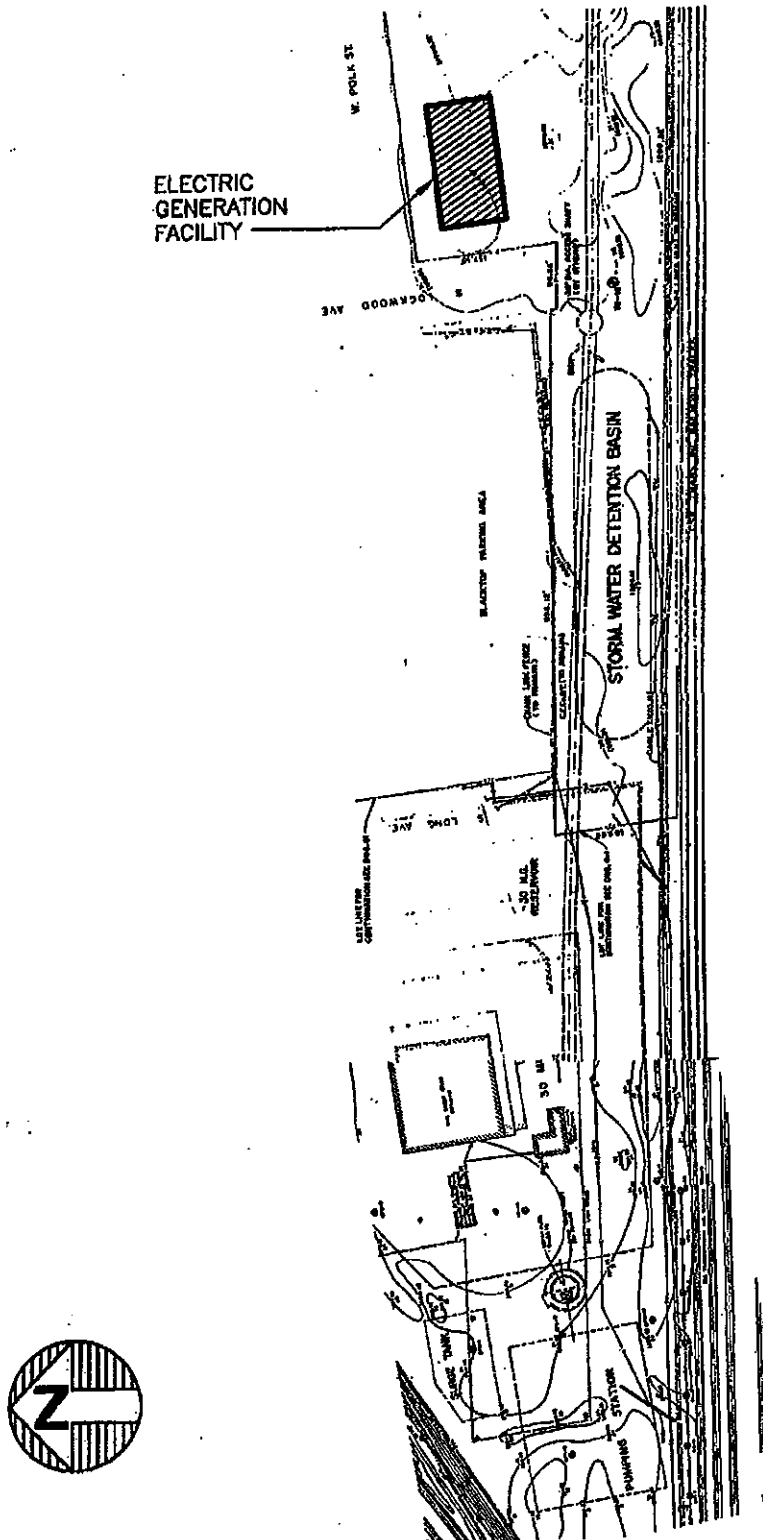
**LAND/ROW:** Minimal

**CONSTRUCTION:** \$12,500,000

**TIMING:** Fiscal year 2005-2006 – Design, construction begins  
Fiscal year 2007-2008 – Construction completed

See site plan on next page.

# ELECTRIC GENERATION FACILITY AT LEXINGTON PUMPING STATION DU PAGE WATER COMMISSION



**DUPAGE WATER COMMISSION  
2005 – 2006  
FIVE YEAR CAPITAL IMPROVEMENT PLAN**

**STANDPIPE IMPROVEMENTS**

**DUPAGE WATER COMMISSION  
2005 – 2006  
FIVE YEAR CAPITAL IMPROVEMENT PLAN**

**PROJECT:** Pipe Storage Facility

**LOCATION:** 75<sup>th</sup> Street – Lisle Township – Tank Site #4

**DESCRIPTION:** Steel storage structure

**PURPOSE:** To provide indoor cold storage of spare water main piping, valves, fittings and other distribution system materials

**BENEFIT:** To provide a protected environment, from ultra-violet and ice damage, to stored materials. Allows for increased materials storage capacity in a more centralized location in the distribution area.

**ESTIMATED COST (2004 DOLLARS):**

**ENGINEERING:** \$20,500 (reviews only, technical observation by DWC personnel)

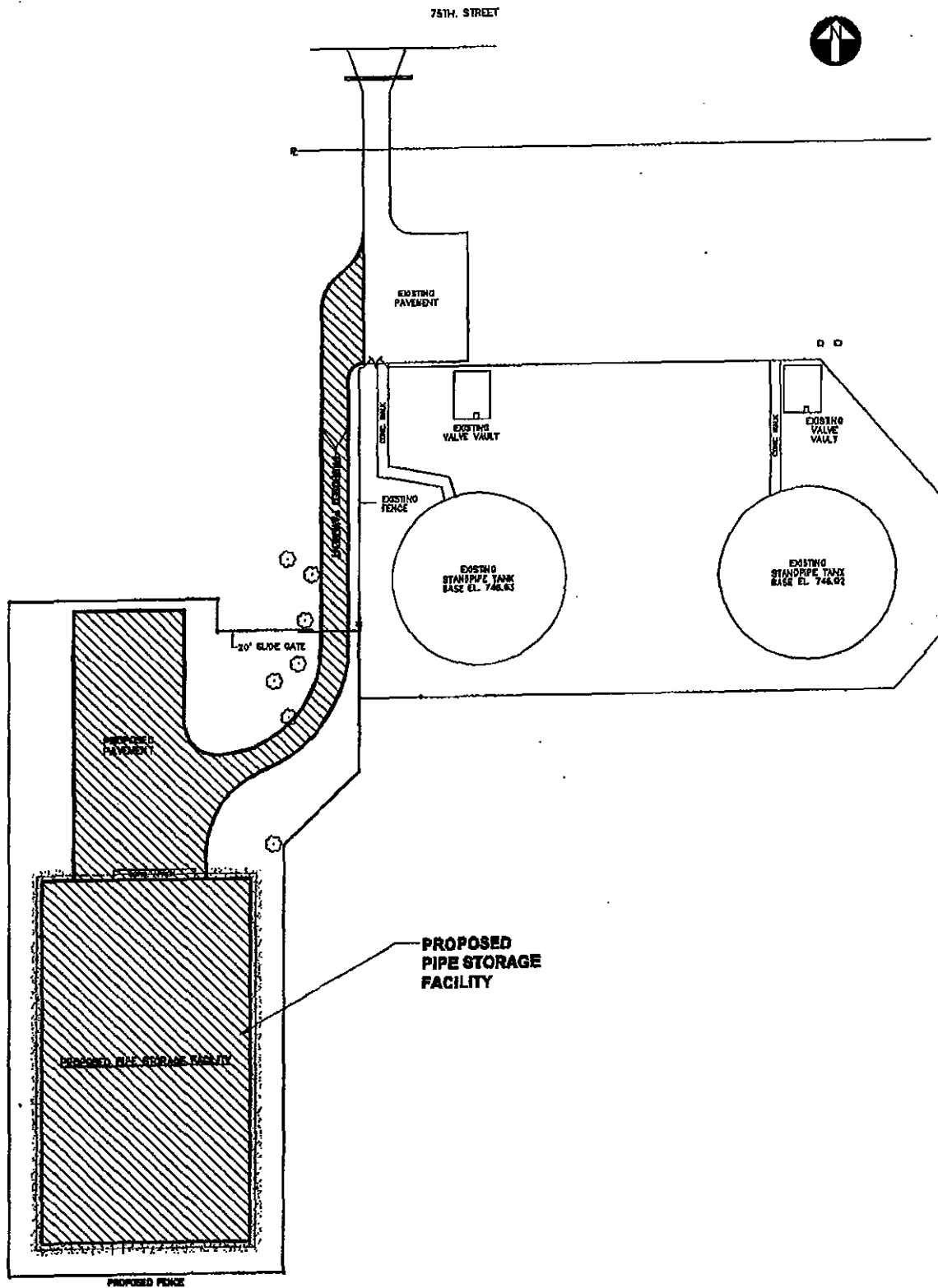
**LAND/ROW:** None; Constructed on Commission owned property

**CONSTRUCTION:** \$1,500,000

**TIMING:** Fiscal year 2005-2006 –Construction

See site plan on next page.

# PROPOSED PIPE STORAGE FACILITY DU PAGE WATER COMMISSION



**DUPAGE WATER COMMISSION  
2005 – 2006  
FIVE YEAR CAPITAL IMPROVEMENT PLAN**

**PROJECT:** Standpipe #4 East Riser Modifications

**LOCATION:** Standpipes #4E & #4W Lisle Township.

**DESCRIPTION:** Install modified inlet riser pipes within standpipes.

**PURPOSE:** To allow for better mixing of water when filling tanks.

**BENEFIT:** By lengthening and providing orifices on the inlet riser pipes, better mixing of water by de-stratification will assist in reducing taste and odor problems that result from stale water.

**ESTIMATED COST (2003 DOLLARS):**

**ENGINEERING:** \$10,500

**LAND/ROW:** Improvements to be constructed on property presently owned by the Commission.

**CONSTRUCTION:** \$80,000

**TIMING:** Fiscal year 2005-2006 – Design  
Fiscal year 2005-2006 – Construction

See drawing on next page.

# PROPOSED TS NO.4 RISER PIPE MODIFICATIONS DU PAGE WATER COMMISSION

