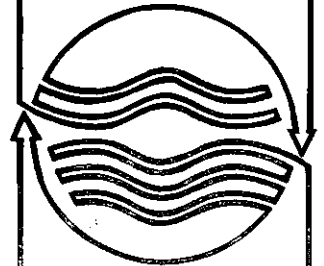


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OFFICIALLY APPROVED

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METROPOLITAN  
WASTE  
CONTROL  
COMMISSION  
Twin Cities Area



350 METRO SQUARE BLDG.  
7TH & ROBERT STREET  
SAINT PAUL MN 55101  
612/222-8423

TD  
525  
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M4ax  
1986

Pursuant to Mn Stat 473.163, sd 2 and  
Mn Stat 473.163, sd 4

REVISED  
12.10.85

METROPOLITAN WASTE CONTROL COMMISSION

1986 PROGRAM BUDGET

OFFICIALLY APPROVED OCTOBER 15, 1985



**METROPOLITAN  
WASTE  
CONTROL  
COMMISSION**  
Twin Cities Area

June 12, 1985

The Honorable Peter E. Meintsma, Chairman  
Members of the Commission  
Metropolitan Waste Control Commission  
350 Metro Square Building  
St. Paul, MN 55101

Dear Chairman Meintsma and Commissioners:

Enclosed for your review and consideration in accordance with Minnesota Statute 473.163, is the Proposed 1986 Program Budget for the Metropolitan Waste Control Commission covering the period January 1 through December 31, 1986.

The procedure followed in the preparation of the Program Budget was initiated by the Program Managers preparing their budget requests based upon their objectives in 1986. These requests were then reviewed, along with their associated costs, with their Department Director. Budgets were reduced by a joint decision of the Department Director and Program Manager, and the total Budget as presented to the Budget Committee totalled approximately a 11.22% increase. The Budget committee, consisting of the Deputy Chief Administrator, Deputy Director of Construction, and the Comptroller, met with each Department Director and Program Manager and further reduced the total budget increase to approximately 5.88%.

Expenditures for the administration, operation and maintenance of the Metropolitan Disposal System during 1986 totals \$95,559,879. This amount represents a \$5,307,373, or a 5.88% increase in proposed expenditures over the current year's budget. Of the 5.88% budget increase, Debt Service accounts for over one-third or 2.06%. The remaining 3.82% is due to increased insurance costs, computerization, ash removal, and inflationary increases on labor and materials. The total proposed expenditures of \$95,559,879 are detailed and described in 52 program budgets as indicated on Schedules 3 through 3-28. Each program budget indicates a description of the program, performance criteria and total resources required. You will find that program budgets and performance measurements, which emphasize results, not dollars spent, will tell you a great deal more about our activities and whether they meet community needs and requirements than the traditional line-item budgeting. In addition, this budgeting concept outlines a considerable amount of information in an understandable manner.

Some of the significant items in the Proposed 1986 Budget are as follows:

Salaries, Wages and Benefits - Proposed costs for salaries, wages and benefits total \$36,393,532, an increase of \$2,010,408 or 5.85%. This increase is attributed to pay increases which have been provided for current employees in accordance with various labor agreements and compensation plans, which increased salaries and wages a total of 4.1%. Benefits increased 14.1% due to increased Social Security, health insurance and trade fringe benefits. Actual costs of benefits exceeded the 1984 Budget by over \$150,000, necessitating the budget increase.

Debt Service and Acquisition Costs - Debt Service and Acquisition costs for 1986 total \$30,830,331; an increase of \$1,860,191 or 6.42%. The increase is due to increased principal payments on existing Debt Service. This is the third year of the Debt Service Balloons which were programmed into the 1971 and 1972 Bond Sales in order to reduce interest costs. Refunding these bonds was considered by the Commission and Council but as the additional cost would be approximately \$11 million, it was decided not to do a refunding but to incorporate the increased principal payments in the budget for 1986, and subsequent years. Of the 5.88% budget increase, Debt Service accounts for over one-third or 2.06%.

Personnel Summary - No new personnel are required for 1986 resulting in the same total complement of 960 employees. The need for twenty-two (22) new positions was met by reducing other programs and transferring those positions.

Sewer Service Charges - Allocation of current use charges to local governments being served by the Metropolitan Disposal System is estimated to cost \$82.35 per 100,000 gallons (per family) based on flow volume of 100,041 million gallons. This is an increase of 2.53% from 1985. Our Metropolitan Area sewer charges continue to be below the median (and also the mean) for the larger Metropolitan Area of the United States.

Sewer Rates for 1986 Compared to 1985 per 100,000 gallons:

<u>Typical Community</u>	<u>Cost Center</u>	<u>1985 Rate</u>	<u>Proposed 1986 Rate</u>	<u>Percent Increase</u>
Hastings	T.W.	\$ 69.35	\$ 71.11	2.55
Minneapolis	S.A. #1	78.60	80.68	2.65
Coon Rapids	S.A. #2	85.83	87.56	2.02
Anoka	S.A. #3	99.99	104.58	4.59
Deephaven	S.A. #4	94.98	97.90	3.07
Bloomington	S.A. #5	81.47	82.45	1.20
Newport	S.A. #6	78.68	78.79	.14

Reserve Capacity Charges (SAC) - The distribution between current use and reserve capacity of the Metropolitan Disposal System is as follows:

<u>Cost Center</u>	<u>Current Use %</u>	<u>Current Use Debt Service</u>	<u>Reserve Capacity %</u>	<u>Reserve Cap. Debt Service</u>
T.W.	.776927	\$15,570,104	.223073	\$4,470,523
S.A. #1	.698636	1,593,743	.301536	687,478
S.A. #2	.362678	545,258	.637322	958,164
S.A. #3	.370177	228,627	.629823	388,989
S.A. #4	.298890	352,311	.701111	826,420
S.A. #5	.265974	140,381	.734026	387,418
S.A. #6	.212423	109,292	.787577	405,212
TOTAL		<u>\$18,539,716</u>		<u>\$8,124,204</u>

The total Reserve Capacity requirement is \$8,124,204. Based on a Metropolitan Council forecast of future building starts, we are proposing that the present SAC charge increase to \$475 except that communities who do not have interceptor service will pay \$245 SAC fee per unit. Any deficit occurring during the year due to reduced construction and housing activities will be made up from the surplus balance in the SAC Fund, which at the end of 1984 was \$19,542,000.

Industrial Strength Charges - This system anticipates revenues from an estimated 150 firms located in 31 units of government with estimated revenues of \$4,440,000.

In summary, the 1986 Proposed Operating Budget of \$95,559,879 is an increase of \$5,307,373 or 5.88% over the 1985 Budget. This proposed increase is attributed to the following:

(A) Increase in insurance costs	.42%
(B) Computerization (Recommended by Touche Ross)	.46%
(C) Additional Debt Service Cost	2.06%
(D) Ash Removal - Metro Plant	.61%
(E) General Increase (Primarily due to inflation)	<u>2.33%</u>
Total Increase	<u>5.88%</u>

The Honorable Peter E. Meintsma, Chairman  
Members of the Commission  
June 12, 1985  
Page Four

Capital Budget

The Capital Improvements Program contains 64 projects for which \$383,906,857 has been appropriated during the past several years.

It is anticipated that five (5) of these will be closed out during the current year and the remaining authorized projects will require total expenditures of \$177,480,950. Of this amount, \$13,732,622 has been encumbered and the balance of \$163,748,328 will be encumbered during the next years. A detailed financial status of these projects is shown on Schedule 12.

Revenues to finance these projects include certified federal grants (net) \$15,687,200; certified state grants \$3,287,319; anticipated grants \$44,041,195; investment earnings \$3,000,000; due from local governments \$78,891; and miscellaneous income of \$50,000, and fund balance as of December 31, 1984 of \$29,395,144, resulting in total revenues of \$95,539,749. Proposed expenditures for previously approved projects total \$177,480,950 which results in a deficit fund balance of \$81,941,201, which will require sales of bonds to completely finance these projects. Over one-half of these expenditures will occur after 1986. To finance the funds required in 1986, bond sales will be required in 1986 of approximately \$28 million (proceeds) in March.

In submitting the 1986 Program Budget to the Commission, I wish to point out that many members of the staff have contributed significantly to the preparation of the budget. Their expertise experience and judgment have been exceedingly valuable. The task, at this point, is for the Commission to review the objectives and programs contained in this Budget and thereafter in subsequent public meetings to hear and consider input from the Council, local government officials and other interested parties. The staff, as usual, will provide you our complete cooperation and assistance in the review process.

Very truly yours,



Louis J. Breimhurst  
Chief Administrator

LJB:RLB:pp

## TABLE OF CONTENTS

### Schedule

Goals and Objectives	1
General Fund - Revenues & Expenditures	2
Programs:	
Administration & Management	3
Commission Administration	3
Affirmative Action	3-1
Public Information	3-2
Safety	3-2
Educational Assistance	3-3
Legal Services	3-3
Engineering Administration	3-3
Community Services	3-4
Engineering Services	3-5
Quality Control Administration	3-6
Industrial Waste	3-6
Research & Development	3-7
Water Quality Monitoring	3-8
Laboratory Services	3-8
Air Quality Monitoring	3-10
Sludge Utilitization on Land	3-11
Construction Administration	3-11
Business Services Administration	3-11
Personnel Services	3-12
Labor Relations & Employee Benefits	3-13
Property, Casualty & Employee Benefits Insurance	3-13
Purchasing	3-14
Comptroller Administration	3-15
Accounting & Collections	3-16
Disbursements	3-17
Payroll	3-17
Debt Service & Acquisition Costs	3-17
Operations Administration	3-18
Process Assurance	3-18
Major Emergency Repairs	3-19
Management Information System	3-19
Regulator System	3-19
Interceptor System Administration	3-20
Interceptor System Maintenance	3-20
Lift Stations	3-21
Metering Stations	3-21
Empire Plant	3-22
Operations, Metro Plant	3-23
Maintenance, Metro Plant	3-23
Seneca Plant	3-23

Schedule

## Programs: (continued)

Blue Lake	3-24
Chaska	3-24
Anoka Plant	3-24
Bayport Plant	3-25
Cottage Grove Plant	3-25
Hastings Plant	3-25
Stillwater Plant	3-25
Maple Plain Plant	3-26
Rosemount Plant	3-27
South St. Paul Plant	3-27
Summary of Debt Service	4
Summary of Acquisition Costs	5
Allocation of Current Use Costs	6
Construction Fund - Revenues & Expenditures	7
Certified Federal Grants	8
Certified State Grants	9
Anticipated Grants	10
Summary of Investment Income	11
Financial Status - Current Projects	12
Projection of Future Rates Based on 1984-1988 Development Program	13
Status of Authorized Personnel	14
Organizational Chart	15



## GOALS AND OBJECTIVES

### GENERAL GOAL

It is the goal of the Metropolitan Waste Control Commission of the Twin Cities Area to continue refinement of the overall management and operation of the Metropolitan Disposal System and accelerate pollution abatement programs; thereby fulfilling all statutory responsibilities in an environmentally sensitive and economically sound manner that will continue to enhance water quality and benefit both area and downstream citizens.

### OBJECTIVES

Administration: To ensure overall administrative management of Commission affairs including legal and legislative matters; all programs related to Federal, State and local agencies; competitive and equal opportunities for employees; a positive affirmative action program; employee career development programs; on-going information and communication programs with all levels of government and citizens; a safety program complying fully with the Occupational Safety and Health Act (OSHA); and special projects.

Engineering: To provide a variety of engineering and technical services for the Commission encompassing facility design, consulting engineer liaison, comprehensive sewer plan review, cost allocation and technical data production, planning coordination and capital project implementation.

Quality Control: To supply a total quality control program for the Commission through sampling and laboratory services, water quality monitoring systems, process evaluation programs, industrial waste surveillance, research and development projects and requested technical services.

Construction: To manage all proposed and authorized capital improvement projects and existing facility inspection programs for the Commission through project review, inspection services, testing, surveys, change orders, cost and payment estimates, and report preparation.

GOALS AND OBJECTIVES - (Continued)

Operations: To maintain the operational efficiency of all Commission water pollution control facilities within the effluent and water quality standards prescribed by the National Pollutant Discharge Elimination System (NPDES) permit program through continued upgrading of wastewater treatment plant processes, improved facility maintenance, inspection of interceptor sewers and instrumentation, and expanded plant services and research and development programs.

Business Services: To supervise for the Commission the necessary services for personnel administration, labor agreement negotiations, labor contract administration, life and medical insurance assistance, property and casualty insurance processing, all purchasing functions and overall office management.

Comptroller: To perform the full range of required financial services for the Commission on a timely basis including collections, disbursements, payroll, investments, budgeting, general accounting, final reporting, cost effectiveness studies and other related financial matters.

# GENERAL FUND - REVENUES & EXPENDITURES

	<u>Proposed 1986</u>	<u>Budget 1985</u>	<u>Actual 1984</u>
<u>ESTIMATED REVENUES:</u>			
Sewer Service Charges-Communities	\$82,385,675	\$77,478,959	\$72,833,384
Industrial Strength	4,440,000	4,066,000	4,461,563
Service Availability Charges	8,124,204	8,197,547	6,438,864
Investment Earnings	525,000	425,000	989,473
Industrial Discharge Permits	10,000	10,000	22,119
Other	<u>75,000</u>	<u>75,000</u>	<u>106,042</u>
TOTAL ESTIMATED REVENUES	<u>\$95,559,879</u>	<u>\$90,252,506</u>	<u>\$84,851,445</u>
<u>ESTIMATED EXPENDITURES:</u>			
Program	\$ 64,729,548	\$ 61,282,366	\$ 53,861,944
Debt Service	26,663,920	24,798,052	21,771,429
Acquisition Costs	<u>4,166,411</u>	<u>4,172,088</u>	<u>4,063,411</u>
TOTAL ESTIMATED EXPENDITURES	<u>\$95,559,879</u>	<u>\$90,252,506</u>	<u>\$79,696,784</u>
Transfer to SAC Reserve			\$ 2,546,366
Due to Local Government			<u>5,154,661</u>
GRAND TOTAL			<u>\$87,397,811</u>

## PROGRAMS

### ADMINISTRATION & MANAGEMENT (001)

Description: To ensure accomplishment of all agency goals and objectives through efficient and effective administrative management of overall Commission affairs.

1. Review financial affairs of the Commission;
2. Provide leadership and direction to Department Directors and Program Managers;
3. Ensure that construction work is on schedule;
4. Review NPDES reports for compliance with effluent limitations;
5. Provide leadership in attaining affirmative action goals;
6. Carry out and administrate Commission policy;
7. Ensure that plans and specifications and the Capital Program are presented on a timely basis.

#### Performance Criteria:

1. To administrate, in cooperation with the Comptroller, the financial affairs of the Commission in a manner that the expenditures do not exceed the income;
2. To administrate, in cooperation with the Comptroller, the Program Budget in such a manner that the manpower, cost estimates and goals set forth in the management are met;
3. To administrate, in cooperation with the Construction Department, so as to maintain change order amounts to less than 3% of the construction value. Maintain the construction work on schedule;
4. To administrate, in cooperation with the Operations Department, a 97% compliance at all plants except Metro (40%);

5. To achieve the affirmative action goals in maintaining a program of recruitment, selection, upward mobility and training that will measure improvement in the overall employment of minorities, females and the handicapped;
6. Maintain Administrative Manual consistent with Commission policy directives;
7. To administrate, in cooperation with the Engineering Department, the completion of plans and specifications and the presentation of the Capital Program on schedule.

Resources Required: \$876,959

Work Hours Required: 8,550

### COMMISSION ADMINISTRATION (002)

Description: To provide Commissioner's with prompt administrative support and efficient implementation of policy directives from official actions of the Commission.

1. Review and/or prepare memorandums, resolutions and other pertinent data for presentation to Committee and/or Commission meetings;
2. Prepare and present various operational reports on all major functions of the Commission;
3. Promptly report and communicate all major items that have or could have any adverse effect on the Commission;
4. Carry out all Commission directives and requests.

COMMISSION ADMINISTRATION (002) (cont.)

Performance Criteria:

1. Preparation of Commission business items and mail prior to Wednesday of the week preceding Commission Committee, regular and/or special meetings;
2. Present monthly operational reports such as financial and other pertinent items;
3. Respond to Commission directives and/or requests within five (5) days.

Resources Required: \$275,475

Work Hours Required: 5,850

AFFIRMATIVE ACTION (003)

Description: Maintain a program of recruitment, selection, upward mobility and training that will measure improvement in the overall employment of minorities, females and the handicapped.

1. Carry out the complete requirements of the Commission's Affirmative Action Program;
2. Comply with all requirements of the State of Minnesota Department of Human Rights, and the Equal Employment Opportunity Commission;
3. Assist and direct the Commission's Affirmative Action Committee to act and perform in an effective and timely manner;
4. Provide Human Relations training;
5. Recruit minorities for professional and managerial job categories;
6. Recruit handicapped and train, if needed.
7. Carry out complete requirements of the Commission's Minority and Women Business Enterprise Programs;

8. Certify Minority and Women Businesses for participation in MBE/WBE Programs.

9. Monitor the progress of MBE/WBE Programs.

10. Monitor contract compliance provisions.

Performance Criteria:

1. Increase the number of minorities and females employed during the budget year by approximately 3%;
2. Comply with all requirements of the State of Minnesota Department of Human Rights and requirements of EEO;
3. Publish quarterly Affirmative Action Report;
4. Continue employee Human Relations Training Programs;
5. Increase minority and female employees in professional and managerial categories;
6. Recruit and employ handicapped, where applicable;
7. Maintain 3.5% - 10% MBE participation on Commission projects;
8. Maintain 2% WBE participation on Commission projects;
9. Certify additional MBE/WBE business for coming year.

Resources Required: \$115,050

Work Hours Required: 4,500

PUBLIC INFORMATION (004)

Description: To conduct a total informational and communication program for all internal and external Commission audiences.

1. Provide information and educational programs regarding pollution control objectives, activities and responsibilities to government organizations, the news media, individual citizens, and educational institutions;
2. Increase the level of government official and citizen awareness in the decision-making process pursuant to Commission objectives;
3. Insure total communications support to all levels and areas of staff and employee activity;
4. Reporter inquiries - respond with timely pertinent information.

Performance Critiera:

1. Produce and distribute 4,000 copies of the 1985 Annual Report;
2. Produce and distribute the OUTFALL Newsletter, Employee Newsletter and Chairman's Newsletter;
3. Produce special reports, brochures, presentations and projects as assigned;
4. Number of responses to reporters within requested time frames/to total;
5. Perform the following aspects of Information Program to fulfill Commission and Section Program Objectives: audio visual programs, speech, statement and report writing and editing; on-going public, news and visitor programs; and all other special projects and programs - all within the deadlines.

	<u>1984</u>	<u>1985</u>	<u>1986</u>
Annual Report	4,000	4,000	4,000
Outfall	6	6	12
Employee News- letter	2	6	6
Chairman's News- letter	N/A	6	6
Responses	N/A	16/24	20/24

Resources Required: 4,500

Work Hours Required: 187,215

SAFETY (005)

Description:

1. Insure the safe and healthy working conditions through site audits of treatment plants, lift stations, meter vaults, and Commission projects for compliance with Safety policies and OSHA regulations;
2. Manage loss control system through trend analysis and reporting of injury reports to reduce frequency and loss time rates;
3. Respond to needs of Program Managers including analysis of air contaminants, noise levels, produce suitability, construction design, work procedures, and policy interpretations;
4. Provide all employees with safety information relative to on-the-job and home safety issues.

Performance Criteria:

1. Accordance with site audit schedule and issuance of notice of non-compliance for violation of MWCC safety policies or OSHA regulations;
2. Monthly reports issued to program managers; bi-annually report to Commission;
3. Number of safety services conducted to number requested; issue reports within ten (10) days of completion of services rendered or study performed;
4. Issue safety bulletins relative to special needs, equipment and work methods as necessary.

	<u>1984</u>	<u>1985</u>	<u>1986</u>
% of schedule	N/A	95	97
% Reports on time	N/A	80	95
% Services completed	N/A	85	95
No. of Bulletins	N/A	4	4

SAFETY (005) (continued)

Resources Required: \$226,098

Work Hours Required: 9,000

EDUCATIONAL ASSISTANCE PROGRAM (006)

Description:

1. Provide employees with education to prepare them for other career opportunities within the Commission;
2. Provide continued management training through a formalized development program.

Performance Criteria:

1. In conjunction with formalized procedure established by the Education Assistance Committee provide funds for fifteen employees to advance in their career ladders or to make an alternative selection with the Commission;
2. Provide management training for twenty managers through use of a specialized consultant.

Resources Required: 31,461

Work Hours Required: -0-

LEGAL SERVICES (007)

Description: This is a new program for the MWCC to:

1. Provide in-house legal services to the MWCC staff and supervise contracted out-legal services.

Performance Criteria:

1. Percentage of MWCC staff satisfied with internal service and percentage satisfied with outside service coordination.

	1984	1985	1986
% Satisfied with inside	N/A	90	95
% Satisfied with outside	N/A	90	95

Resources Required: \$115,226

Work Hours Required: 1,950

ENGINEERING ADMINISTRATION (008)

Description: Provide for the administration of the department's responsibilities in an effective and efficient manner.

1. To prepare and present Commission Business Items;
2. To review and recommend action on interceptor acquisition requests;
3. To make responses to requests and correspondence;
4. To continuously update design standards and criteria;
5. To make annual personnel evaluations;
6. To attend staff meetings to establish Commission policies and objectives;
7. To provide effective planning and design for the implementation of capital improvements project;
8. To prepare the annual department program budget;
9. To effectively provide administration within the available resources.

Performance Criteria:

1. Were Business Items prepared and presented effectively and timely;
2. Was review and recommended action on interceptor acquisition requests effective and timely;
3. Were responses to requests and correspondence made effectively and timely;
4. Were design standards and criteria continuously updated;
5. Were annual personnel evaluations performed in a timely manner;

## ENGINEERING ADMINISTRATION (008) (cont.)

### Performance Criteria: (continued)

6. Were staff meetings attended to establish Commission policies and objectives;
7. Was effective planning and design for the implementation of capital improvement projects provided;
8. Was the annual department program budget prepared in a timely manner;
9. Was Administration effectively provided within the available resources.

<u>Measure</u>	<u>GOAL 1985</u>	<u>GOAL 1986</u>
Percent of Business Items Approved	95	100
No. of Acquisitions	3	1
Percent of Timely Responses	90	90
No. of Revision Updates	3	2
Percent of Appraisals provided prior to due date	90	90
Percent of Staff Meetings attended	95	100
Percent of Step I & II phases approved		
Was Department budget completed by due date		
Was Administration effectively provided		

Resources Required: \$203,974

Work Hours Required: 7,080

## COMMUNITY SERVICES (009)

Description: Provide for the effective administration of the Community Services Program's responsibilities.

1. Review and obtain approval of local community comprehensive sewer plans (CSP's), local sanitary sewer improvement projects and to meet with local government units and the Metropolitan Council to discuss coordination regarding sanitary sewer planning;
2. To review and comment on amendments to the Waste Management Policy Plan, CP/CSP's, EAW, EIS, NPDES Permits, A-95 grant application, watershed plans, as requested;
3. To review and recommend approval of sewer connection permit application, rental agreements and interceptor use policies;
4. Evaluate and assign actual sewage flow for communities based on metered and unmetered flow information and to project estimated community flows, interceptor and treatment capacities for use in the Cost Allocation Program;
5. To study, determine and assign Service Availability Charge (SAC) units for non-industrial users of the Metropolitan Disposal System;
6. Accompany Operations Department in surveys to evaluate the condition of the interceptor system. Prepare reports and request the design and construction of needed facilities.

### Performance criteria:

1. Obtain Commission approval for 75-20 community comprehensive sewer plants (CSP's). Review and comment on about 20 community CSP elements to the community and Metropolitan Council. Provide comments to the community and MPCA on all community sewer improvement projects;
2. Provide comments on all EIS, EAW, NPDES Permits and A-95 reviews requested;
3. Review and obtain approval of all interceptor connection permit applications and sewer rental agreements received;



COMMUNITY SERVICES (009) (Continued)Performance Criteria: (continued)

4. Determine, review and assign the actual flow volumes for all 104 communities. Provide the assigned treatment works and interceptor capacities and the estimated sewage flow volumes for 104 communities in the 1987 Cost Allocation Program. Provide routine sewage flow and special flow analysis data to communities. Prepare, distribute, collect and analyze "Survey of Sewer Use Data Forms" for 104 communities;
5. Determine and assign SAC units in a timely manner and furnish the results to the communities in either oral or written communications. Expand the present chart on SAC unit determinations to include additional commercial, public and institutional uses;
6. Survey and evaluate existing and potential interceptor problem areas and establish a preventative maintenance program.

<u>MEASURE</u>	<u>GOAL 1985</u>	<u>GOAL 1986</u>
% of CSP's approved	95	100
% of CP's & CSP's reviewed	95	100
% of sewer extensions reviewed and approved	100	100
% requests reviewed	100	100
% connection permits approved	100	100
% of communities assigned flow and capacity	100	100
% of SAC units requested assigned	100	100
No. of interceptor surveys	15	20

Resources Required: \$240,158

Work Hours Required: 10,560

ENGINEERING SERVICES (010)

Description: Provide engineering assistance to other departments in an effective and efficient manner.

1. To prepare plans and specifications in-house for system improvements;
2. To provide engineering support to other departments, including start-up assistance, trouble-shooting, investigations and general engineering support;
3. To prepare and recommend approval of special agreements, including the coordination of site investigations and design review;

Performance Criteria:

1. Were all in-house plans and specifications provided timely and the improvement implemented within the estimated costs;
2. Was engineering support effectively provided on all requested in-house designs;
3. Were all special agreements effectively and timely provided and implemented each time;
4. Were program objectives accomplished within the budgeted manhours and costs.

<u>MEASURE</u>	<u>GOAL 1985</u>	<u>GOAL 1986</u>
No. of in-house plans completed	17	20
Percent of budget amendments required	50	75
Percent of requested project designs completed	50	75
Percent of special agreements approved	100	100

Resources Required: \$198,583

Work Hours Required: 7,890

## QUALITY CONTROL ADMINISTRATION (011)

Description: To plan, direct and coordinate the activities of the Quality Control Department.

1. Provide coordination, supervision, and aid to the departmental program managers for accomplishing program and budgetary objectives, through monthly reviews of objectives and budgets, monthly program managers meetings, and general and clerical support;
2. Coordinate departmental activities with other departments, the Chief Administrator and the Commission through appropriate meetings and reports;
3. Participate in public and interagency meetings for the MWCC and respond to external requests for information and data from other governmental agencies and individuals;
4. Prepare program objectives and annual budget by March 15 and prepare a comprehensive annual report of departmental activities before March 15;
5. Review each employee's personnel records annually, recruit staff; plan for optimum personnel utilization and accommodations;
6. Provide statistical and electronic data processing support to the department and other departments as resources permit;
7. Plan and administer the departmental training and educational assistance programs, and encourage involvement in professional organization and the presentation involvement in professional organizations and the presentation of professional papers.

## Performance Criteria:

1. Number of program and budgetary objectives achieved, and the number of program manager's meetings held;
2. Number of meetings with other department directors;
3. Number of external meetings attended and the number of external requests for data fulfilled by the department;
4. Date of completion of budget and annual report;
5. Number of personal reviews and studies made of personnel use and accommodations;
6. No. of projects;
7. Number of employees participating in training and educational programs, and number of papers presented.

Resources Required: \$156,551

Work Hours Required: 4,240

## INDUSTRIAL WASTES (012)

Description: To administer the Commission's industrial waste control program and enforce the Waste Discharge Rules.

1. Plan and coordinate the industrial waste program;
2. Maintain a current inventory of permittees and wastes contributed to the MDS;
3. Process all industrial discharge permit applications received;
4. Process all industrial SAC applications received;
5. Administer the strength charge system;
6. Conduct 150 industry investigations;
7. Conduct 50 treatment plant, sewer system or spill problem investigations;

## INDUSTRIAL WASTES (012) (Continued)

### Description: (continued)

8. Enforce the waste discharge rules for the MDS;
9. Attend conferences on industrial waste technology;
10. Prepare an annual industrial waste report by March 1.

### Performance Criteria:

1. Comparison of objectives met and resources used;
2. Was data base updated each quarter;
3. Number of applications received and number processed;
4. Number of applications processed in 10 days and total number received;
5. Dollar amount of bills prepared;
6. Number of investigations conducted and number projected;
7. Number of investigations conducted and number projected;
8. Number and types of enforcement actions taken;
9. Date of completion.

Resources Required: \$818,777

Work Hours Required: 37,550

## RESEARCH & DEVELOPMENT (013)

Description: To conduct in-house and external research and pilot plant studies.

1. Fund and coordinate external research projects which address MWCC needs in the following areas: ash utilization, sludge bulking control, odor control, and long-term impacts of sludge and compost application on soil and crop characteristics;

2. Continue evaluation of fine bubble aeration system at Metro;
3. Characterize liquid sludges in terms of stabilization potential and dewatering properties;
4. Collect data to characterize variability associated with odor measurement techniques and design monitoring strategy for odor sources;
5. Continue investigation to characterize leachate generated from simulated ash landfill;
6. Evaluate innovative methods for removing H<sub>2</sub>S from air discharges;
7. Continue investigation of alternative disinfection method;
8. Conduct special short-term projects as requested;
9. Review R & D activities of other agencies;
10. Prepare annual report by March 1, 1986.

### Performance Criteria:

1. Status of projects;
2. Status of projects and project reports;
3. Status of projects and project reports;
4. Status of projects and project reports;
5. Status of projects and project reports;
6. Status of projects and project reports;
7. Status of projects and project reports;
8. Status of projects and their respective reports;
9. Number of research reports reviewed;
10. Date report completed.

Resources Required: \$417,640

Work Hours Required: 12,580

## WATER QUALITY MONITORING (014)

Description: To monitor the quality of Metropolitan Area receiving waters, conduct toxicity testing of treatment plant effluents, and provide support for facilities planning and regional-management activities.

1. Plan and coordinate the water quality monitoring program;
2. Conduct the routine river monitoring network:
  - A. Maintain automatic monitors at 9 stations;
  - B. Collect and process 840 conventional grab samples;
  - C. Collect and process 150 water, sediment, and biota samples for analysis of toxics;
  - D. Collect and process 140 samples for analysis of aquatic organisms;
3. Conduct 12 MWWTP screening tests, 5 static and 5 flow-thru toxicity tests of Commission treatment plant effluents;
4. Collect 160 groundwater samples from 30 Commission wells per MPCA requirements;
5. Collect samples from 40 area lakes per cooperative agreement with Metropolitan Council;
6. Conduct special studies and prepare reports as required;
7. Attend conferences on water quality issues;
8. Prepare automatic-monitor reports for submittal to MPCA by the 20th day of each month;
9. Prepare quarterly and annual groundwater monitoring reports for submittal to MPCA by the end of the second month of each quarter;
10. Prepare an annual report of river quality by October 1;
11. Prepare an annual report of effluent toxicities by September 1;

12. To monitor the quality of Metropolitan Area receiving waters, conduct toxicity testing of treatment plant effluents, monitor groundwater in Commission wells, and provide support for facilities planning and regional-management activities.

### Performance Criteria:

1. Comparison of objectives met;
2. A. Number of monitor-units in operation;  
B. Number of samples collected;  
C. Number of samples collected;  
D. Number of samples collected;
3. Number of tests completed;
4. Number of samples collected;
5. Number of contract items completed;
6. Number of studies and reports completed;
7. Written assessment of conferences;
8. Date of completion;
9. Date of completion;
10. Date of completion;
11. Date of completion;
12. Date of completion;

Resources Required: \$541,201

Work Hours Required: 22,390

## LABORATORY SERVICES (015)

Description: To conduct collect of samples from wastewater treatment plants and to provide laboratory services to all Commission programs by conducting and reporting of analyses performed on samples originating from treatment plants, rivers and lakes, industries, special studies, and research and development programs;

LABORATORY SERVICES (015) (Continued)

Description: (continued)

1. Conduct 41,200 successful sampling pick-ups to collect samples from all treatment plants operated by the Commission for operational plant control and as required by regulatory agencies;
2. Conduct 190,166 laboratory analyses and prepare appropriate reports upon completion of analyses as follows:
  - A. 46,000 analyses for NPDES monitoring;
  - B. 22,000 analyses of area rivers;
  - C. 68,000 analyses for treatment plant control;
  - D. 20,000 analyses of support of special studies;
  - E. 10,000 analyses for industrial waste;
  - F. 24,166 analyses for internal laboratory quality assurance.
3. Prepare preliminary monthly NPDES Summary reports by the 7th day of each month;
4. Prepare monthly NPDES Compliance monitoring reports by the 20th day of each month;
5. Prepare an annual report on laboratory activity by March 1;
6. Prepare an annual report on treatment attendance at conferences on analytical chemistry and biological analyses and review of technical publications;
7. Maintain professional stature through attendance at conferences on analytical chemistry and biological analyses and review of technical publications;
8. Visit Blue Lake, Seneca, and Empire Plants once per week and visit nine additional treatment plants twice each month to provide calibration and maintenance of laboratory instrumentation, continuous monitoring instrumentation and sampling equipment;
9. Conduct semi-annual audits of sampling and analytical test procedures used by treatment plant operating personnel in satisfying NPDES permit monitoring requirements;
10. Purchase laboratory equipment and supplies and maintain a computerized purchasing record system whereby future goals are established to achieve maximum discount rates on all items purchased;
11. Conduct monthly safety meetings for all staff; implement and participate on laboratory safety committee;
12. Develop computer program software to provide for complete data handling needs of laboratory by December 31, 1986.

Performance Criteria:

1. Number of unsuccessful pick-ups compared to number scheduled;
2. Compare number of analyses conducted to number planned in program;
3. Number of summary reports completed by the 7th day of the month compared to number scheduled;
4. Number completed by the 20th day of the month compared to number scheduled;
5. Compared time of completion to scheduled date;
6. Compare time of completion to scheduled date;
7. Assess specific value of conferences and publications to program activities;
8. Number of visits made compared to number scheduled;
9. Number of audits made compared to number scheduled;
10. Number of purchase orders successfully processed and successful completion of record system;
11. Number of monthly meetings held compared to number scheduled;

LABORATORY SERVICES (015) (Continued)

12. Compare time of completion to scheduled date.

Resources Required: \$1,434,357

Work Hours Required: 77,700

AIR QUALITY MONITORING (016)

Description: To monitor ambient air quality and gaseous emissions from Commission facilities and assist in evaluation of potential air pollution abatement equipment and activities.

1. Conduct incinerator stack emission tests at the Seneca and Metro Plant for the following and prepare reports;
  - A. Particulate - semi-annually;
  - B. SOx - annually;
  - C. NOx - annually;
  - D. Hydrocarbons - annually;
  - E. Metals - semi-annually.
2. Conduct continuous H<sub>2</sub>S monitoring programs at the Seneca, Metro and Blue Lake Treatment Plants;
3. Conduct monthly odor monitoring by odor panel method at the property lines of the Blue Lake, Seneca, and Metropolitan Plants during high odor seasons (April - September);
4. Conduct weekly visual opacity monitoring on five incinerator stacks at the Metropolitan Plant and one incinerator stack at the Seneca Plant;
5. Conduct odor monitoring tests as requested in support of evaluation of odor abatement equipment and compliance monitoring requirements;
6. Prepare an annual report on air quality by September 1;
7. Prepare an annual report on program activities by March 1;

8. Maintain professional stature through attendance of training courses, conferences, and review of technical publications;
9. Collect daily meteorological data from monitoring stations at the Blue Lake, Seneca, and Metropolitan Plants in support of odor monitoring studies;
10. Perform sampling and analysis as required for special studies requested from other Commission Programs;
11. Calibrate four opacity meters five times each week at the Metro Plant and two opacity meters five times each week at the Seneca Plant.

Performance Criteria:

1. Number of stack emission tests completed as compared to the number scheduled;
2. Number of monitors operating as compared to number scheduled;
3. Number of tests conducted as compared to the number scheduled;
4. Number of tests conducted as compared to the number scheduled;
5. Number of tests conducted as compared to the number required or requested;
6. Compare completion date to scheduled date;
7. Compare completion date to scheduled date;
8. Assess value of conferences, courses, and publications to program activities;
9. Number of data points collected compared to number scheduled;
10. Number of tests completed compared to number requested;
11. Number of calibrations completed as compared to number scheduled;

AIR QUALITY MONITORING (016) (Continued)

Resources Required: \$144,766

Work Hours Required: 6,540

SLUDGE UTILIZATION ON LAND (017)

Description: To provide for the on-land disposal of sludge generated at MWCC facilities.

1. Administer Contract 2053 for disposal of 10,000 wet tons of Metro Plant sludge;
2. Obtain MPCA Letters of Approval for disposal of liquid sludge for up to 600 acres as per request of Operations Department;
3. Maintain data files for sludge characteristics, legal descriptions, loading rates and well water analyses;
4. Prepare quarterly reports summarizing all sludge utilization activities within 45 days of end of quarter;
5. Arrange for lease of MWCC owned farm land;
6. Prepare annual report by March 1, 1986.

Performance Criteria:

1. Disposal of sludge within contract limitations;
2. Number of acres approved as per Operations Department request;
3. Status of files;
4. Dates quarterly reports completed;
5. Fully executed lease agreement;
6. Date report completed.

Resources Required: \$279,057

Work Hours Required: 1,950

CONSTRUCTION ADMINISTRATION (018)

Description:

1. Insure that any 3rd party construction projects that affects MWCC property or operation is performed in a manner that best protects that property and maintains the integrity of the operation of the affected facility;
2. Insure that any connections to MWCC interceptor system are performed in accordance with MWCC requirements.

Performance Criteria:

	<u>1985</u>	<u>1986</u>
1. Were all 3rd party construction projects directly affecting MWCC inspected in a timely manner?	5 ea.	5 ea.
2. Were all connections to MWCC interceptor system inspected per MWCC requirements?	40 ea.	40 ea.
3. Were records of connections made.	40 ea.	40 ea.

Resources Required: \$18,374

Work Hours Required: 900

BUSINESS SERVICES ADMINISTRATION (019)

Description: To manage all Central Office operational functions as well as inter-departmental sections of Personnel, Labor Relations, Purchasing and Employee Benefits, including insurance.

1. Manage Central Office business functions including telephone system, mail distribution, office allocations, and security;

BUSINESS SERVICES ADMINISTRATION (019)

(Continued)

Description: (continued)

2. Provide xerox services for Central Office personnel and coordinate all other xerox equipment placement and needs;
3. Maintain an efficient central file system for communications and paid invoices;
4. Oversee activities of purchasing, benefits and insurance, and personnel and labor related sections;
5. Regularly meet with Program Managers discussing progress or lack thereof toward objectives;
6. Prepare and present or direct the preparation and presentation of business as they relate to labor, personnel, benefits and purchasing matters.

Performance Criteria:

1. Quarterly contact telephone representative and monthly analyze telephone billing account, post all mail in lease expensive class, maintain contacts with lessor relative to Central Office space needs and office security;
2. Assist non-clerical personnel regarding xerox needs, review all Commission xerox agreements, propose cost reductions; ensure 90% of Central Office copy requests filled the same day as requested; where possible, maximize duplexing efforts;
3. Remove all 1984 invoices by the end of February. Update typed retrieval lists of all files on hand;
4. Evaluate change recommendations in procedures from inter-departmental sections;
5. Conduct bi-monthly Program Managers exchanging information and discussing program implementation and application;
6. All business items to be prepared timely.

Resources Required: \$277,770

Work Hours Required: 6,250

PERSONNEL SERVICES (020)

Description:

1. Maintain recruitment and placement procedures in accordance with EEO and Affirmative Action Program. Initiate needed policy or procedure changes;
2. Maintain current personnel files on all employees providing review services. Monitor standard list of contents to be contained in each file and purge files of any extraneous data;
3. Monitor and maintain job evaluation system based on principles of comparable worth to assure equitable wage and salary administration;
4. Review and change hiring procedures when needed. Acknowledge, in writing, applications. Insure proper exposure to Department Directors of applications for all openings;
5. Provide Directors with evaluation and probationary forms assuring that each is filled out with appropriate information for Administration Department review;
6. Continue and expand Employee Assistance Program through timely EAP bulletins. Investigate possibility of additional training/seminar activities for supervisors;
7. Maintain and update all employee lists including address and seniority as well as initiate same for retired employees;
8. Expand and update training modules for basic human resource management components;
9. Represent the MWOC in filed charges relating to our policies or practices; present the MWOC position in unemployment compensation disputes.



PERSONNEL SERVICES (020) (Continued)

Performance Criteria:

1. 75% of employees hired in three weeks or less from closing date indicated on job posting. Chart placements to include time frames and minority hiring;
2. 30 personnel files reviewed monthly; monitor standard list of contents to be contained in each file and purge files of any extraneous data;
3. Review any new job classifications and/or consider reclassifications on an as needed basis;
4. Acknowledge all applications within 3 days. Continue control and routing method for various departmental reviews;
5. Maintain receipt of written probationary and evaluation forms assuring that appropriate, specific and job related information is provided for Administration Department review;
6. Provide 6 EAP bulletins dealing with available services or programs. Provide two in-service seminars for MWOC personnel relating to referral procedures.

Resources Required: \$245,097

Work Hours Required: 6,150

LABOR RELATIONS (021)

Description:

1. Labor agreements with AFSCME, Local 668; IAM, Lodge 77; IBEW, Local 110; UAP, Local 455; Painters, Local 61; and Bricklayers, Local 1, completed within 90 days from beginning of negotiations;
2. Hold supervisory meetings to explain new contract where language changes dictate an explanation;
3. Update written plan that provides for continued operations in the event of any work stoppage;

4. Hold three (3) meetings with union representatives to discuss labor/management problems;

5. Hold at least one (1) meeting with supervisory personnel and outside trainer regarding labor relations.

Performance Criteria:

1. Negotiate to a mutual agreement six (6) labor contracts within 30 days of their expiration;
2. Produce contract documents for supervisory staff;
3. Update and refine the plan that provides for continuous operations in the event of any type of work stoppage through knowledge gained at attending the National and State Public Employers Labor Relations meetings;
4. Hold labor/management meetings with union representatives to resolve any general differences as they relate to the labor contracts;
5. Hold supervisory training sessions on grievance procedures.

Resources Required: \$72,763

Work Hours Required: 1,400

PROPERTY, CASUALTY AND EMPLOYEE BENEFITS INSURANCE (022)

Description:

1. To process all property and casualty damage claims so that the effected party is expeditiously serviced and continually review all outstanding claims to ensure that action is taken and acknowledgement is received;
2. To administer the overall Worker's Compensation program insuring that claims are processed on a timely basis; supervise the activities of return-to-work consultants;

PROPERTY, CASUALTY AND EMPLOYEE BENEFITS  
INSURANCE (022) (Continued)

Description: (continued)

3. To maintain ongoing update to assure that all risks are properly covered and that all premiums reflect the insurance in place;
4. Provide complete explanation of fringe benefit program to new employees and complete necessary forms. At termination, advise employees of their options and conversion provisions available and to counsel retiring employees with regard to benefits, procedures and insurance options;
5. To answer employee inquiries on policy content and assist the employees with processing claims and act as liaison between the insurance carriers and the Commission employees. To maintain all insurance files and records, updating on a timely basis.

Performance Criteria:

1. Number of claims with property damage receiving initial acknowledgement within three (3) days to total number of claims processed;
2. Worker's Compensation claims to be processed in two (2) days. Review monthly reports from consultants. Develop lost time per accident ratio to establish baseline in order to validate effectiveness of the return to work program;
3. All new insurable risks should be reported to the insurance company within two (2) days of receiving proper information;
4. Every employee is signed up for fringe benefits within one (1) day of beginning of employment. Close insurance files on terminating employees who terminate prior to retirement within seven (7) days;
5. Number of medical claim questions answered directly to number of inquiries that must be made to insurance companies or consultant.

Resources Required: \$1,364,317

Work Hours Required: 4,100

PURCHASING (023)

Description:

1. To provide a centralized purchasing system with a proper set of checks and balances on orders;
2. To maintain a bid calendar for all items to be carried through the bidding process and administer bids procedures;
3. To manage a central motor pool so that utilization of all Central Office based vehicles can be coordinated and maximized;
4. Provide semi-annual reports to managers from computer system which was brought on-line April, 1983;
5. Prepare a 1987 budget forecast of materials and supplies for all departments to use in preparing their annual program budget;
6. Coordinate disposal of all surplus or obsolete equipment;
7. Attend a minimum of three (3) production shows covering new items and ideas, electrical computer functions and services, etc.

Performance Criteria:

1. 89% of all purchase orders processed completely within 3 days from date requisition is received;
2. Assist staff with technical specifications and report to the Commission on all contracts, make recommendation in new areas when potential savings could be attained by public competitive bidding, also follow through with contract documents on all Commission approved contracts;

## PURCHASING (023) (Continued)

### Performance Criteria: (continued)

3. Improve on Central Office motor pool use by reviewing all latest information through publication and Private Information Section Groups;
4. Coordinate and communicate with Commission departments and personnel the information gathered from multifunction computer program covering purchasing, warehousing, maintenance management; and provide semi-annual report on request;
5. Have budget forecast available by March. Information accumulated by reading all available publications, discussing with supplier, evaluating short and long supply of materials available, etc., at national and local level;
6. Annually prepare and circulate notice of surplus items available to all Commission departments upon determining unusable items, conduct sale to dispose of said surplus items;
7. Become aware of new production and service through education and participation in hands-on experience and discussions with supply sources.

Resources Required: \$192,095

Work Hours Required: 9,100

## COMPTROLLER ADMINISTRATION (024)

Description: To plan, direct and coordinate the activities of the Comptroller Department.

1. Provide coordination and supervision of department programs to accomplish their objectives through monthly reviews of objectives and budgets;
2. Respond to external request for information and data from other governmental agencies and individuals;

3. To improve present computer systems and applications in order to provide needed management information through visitation at governmental and industrial computer installations and by attendance at the National Governmental Finance Officers Association conference and at appropriate seminars where information and displays of the latest management information systems are available;
4. Prepare cost effectiveness studies within 30 days of receipt;
5. Invest Federal and State grant funds on the same day as received;
6. Prepare a budget calendar and perform all budget related functions within the calendar year;
7. Devote time to creative thinking and the broadening of Commission needs through twelve (12) planning conferences with Comptroller personnel.

### Performance Criteria:

1. How many program budgets were not adhered to;
2. Number or requests/number responded to in seven (7) days;
3. Was a payroll holdback system installed;
4. How many total responded within 30 days;
5. How many Federal and State grant funds not invested the same day;
6. Was the budget prepared in accordance with the budget calendar;
7. How many planned conferences were held with Comptroller personnel;

	<u>1984</u>	<u>1985</u>	<u>1986</u>
Program Budget	2	1	0
Requests	75	70	65
Payroll Holdback	N/A	N/A	4
Cost Effec.			
Studies	0	0	52
Fed & State Grants	0	0	0
Budget in accord.	4	4	4
12 Planned conferences	3	8	12

COMPTROLLER ADMINISTRATION (024) (continued)Resources Required: \$118,168Work Hours Required: 3,790ACCOUNTING & COLLECTIONS (026)Description:

1. Maintain a Commission-wide fixed asset system satisfactory to the State Auditor;
2. Forward data to the computer center in a timely manner so that reports are forwarded to the Department Directors seven (7) days before the Commission meeting;
3. Properly account for all transactions so that the State Auditor's opinion states that the balance sheet and other financial statements present fairly the financial position of the MWCC;
4. Conduct Service Availability Charge (SAC) audits of 40 communities;
5. Collect and record SAC monies for all 101 communities to be received by the end of the month following the month permitted by the community;
6. Bill, collect and record sewer service charge (SSC) monies for 101 communities to be received by the end of the month for the month due;
7. Record and post to a subsidiary ledger all monies received from state and federal grants and reconcile balances with the Grants Administration section by the 5th day after the end of the month;
8. Bill, collect and record Industrial Strength Charge (ISC) monies for industrial firms to be received within 30 days from the date of billing;
9. To respond to 90% of all program managers requests for financial information within one (1) day of the request.

Performance Criteria:

1. Fixed asset system maintained to the satisfaction of the State Auditor;
2. Number of months financial management report not forwarded seven (7) days prior to the Commission meeting;
3. Did State Auditor's office give the opinion that the reports presented fairly the financial position of the MWCC;
4. Number of SAC audits made by the end of 1986;
5. Number of SAC monies received by the end of the month;
6. Number of SSC monies received by the end of the month;
7. Number of months government grants reconciled by the 5th day of the month;
8. Number of ISC monies received within 30 days of billing to total billed;
9. Number replied to within one (1) day divided by the total requests, equal to 90%;

	<u>1984</u>	<u>1985</u>	<u>1986</u>
Fixed asset system	4	4	4
No. of months not forwarded	2	1	0
State Auditor's opinion	4	4	4
No. of SAC audits	39	40	40
SAC monies received	96	98	100
SSC monies received	96	98	100
Gov't grants reconciled	12	12	12
ISC monies	116	120	124
No. of replies	80%	85%	90%

Resources Required: \$182,052Work Hours Required: 6,505

## DISBURSEMENTS (026)

### Description:

1. Remit 95% of vendor's invoices and utility bills within 30 days;
2. Remit 99% of discount invoices within discount period;
3. Verify and prepare all disbursements to be approved by the Commission and forward these items to the Chief Administrator as per schedule established.

### Performance Criteria:

1. Percent of invoices paid within 30 days to total;
2. Percent of discount invoices paid within discount period;
3. Number of times disbursement list for Commission not forwarded to the Chief Administrator.

	<u>1984</u>	<u>1985</u>	<u>1986</u>
Vendors Invoices	N/A	85	95
Disc. Invoices	N/A	85	99
Disbursements not forwarded	N/A	0	0

Resources Required: \$128,587

Work Hours Required: 9,055

## PAYROLL (027)

### Description:

1. Prepare approximately 1,000 payroll checks bi-weekly for timely delivery;
2. Prepare 93% of remittance checks to 30 agencies within 10 days of payroll day;
3. Generate quarterly overtime and leave reports of all employees within 30 days after end of quarter;

4. Bi-weekly labor distribution data computed and forwarded to program directors as per schedule.

### Performance Criteria:

1. Number of times payroll checks not forwarded to plants, etc., on time;
2. Number of remittances for deductions not forwarded within 10 days after payroll;
3. Overtime and leave reports will be forwarded 85% on time;
4. Labor distribution reports will be forwarded 85% on time.

	<u>1984</u>	<u>1985</u>	<u>1986</u>
% timely payroll checks	N/A	100	100
% remittance checks - 10 days	N/A	90	93
% overtime and leave reports	N/A	85	85
% labor distribution reports	N/A	85	85

Resources Required: \$142,646

Work Hours Required: 9,610

## DEBT SERVICE & ACQUISITION COSTS (028)

### Description:

1. Local government debt service;
2. Metropolitan Council Debt Service;
3. Local government equity in treatment works and/or interceptors acquired by the Commission.

### Performance Criteria:

1. Grant all credits for local government debt service assumed by Commission by December 31, 1985;
2. Meet October 1, 1985 Metropolitan Council Debt Service payment required;

DEBT SERVICE & ACQUISITION COSTS (028)  
(Continued)

Performance Criteria: (continued)

3. Grant all credits for acquisition costs assumed by the Commission by December 31, 1985.

Resources Required: \$30,830,331

Work Hours Required: -0-

OPERATIONS ADMINISTRATION (029)

Description: To administer and oversee operation and maintenance of all Commission wastewater treatment plants, conveyance systems, and operational support systems in a timely manner to insure safe, continuous, environmentally sound, and efficient operation in compliance with applicable operating permits and codes, and in conformity with allocated operating funds.

Performance Criteria:

1. Achievement of NPDES permit related compliance, frequency, and severity for the Metro Plant of at least 97%, 93%, and 33%, respectively;
2. Achievement of NPDES permit related compliance, frequency, and severity for the average of other treatment plants of at least 97%, 93%, and 33%, respectively;
3. Achievement of air quality emissions at facilities which are in compliance with applicable permits or standards in at least 90% of the tests conducted and which maintain satisfactory ambient air quality;
4. Achievement of safety conditions at facilities which based on accident rates is equal to or better than average for the industry;
5. Achievement of operating costs for programs in the Operations Department which are in compliance with the Operating Budget.

Resources Required: \$240,112

Work Hours Required: 8,210

PROCESS ASSURANCE (030)

Description:

1. To administer all water, air, sludge, and solid waste operating permits, so as to maximize the Commission's compliance with these permits;
2. To provide process engineering services to the Commission's wastewater treatment plants, so as to assist the plants in meeting their compliance and performance objectives;
3. To provide technical services to the Commission's wastewater treatment plants, so as to insure their practical, cost-effective, and environmentally sound operation;
4. To provide planning, design, and construction coordination of capital improvements projects between the Operations Department and other Commission departments.

Performance Criteria:

1. Average NPDES permit compliance at all plants (97.4%);
2. Average frequency at all plants (93%);
3. Average severity at all plants (33%);
4. Average air operating permit compliance at Metropolitan and Seneca Plants for particulates, opacity and odor emissions (90%);
5. Achieve permit administrative compliance for permit application, routine reports, sampling and analysis requirements, compliance schedules, and special requirements by dates specified in operating permits;

PROCESS ASSURANCE (030) (Continued)

Performance Criteria: (continued)

6. Summarize information for 1985 Treatment Plant report by April 1, 1986;
7. Prepare 1985 Combined Sewer Report by April 30, 1986;
8. Prepare annual sludge and solid waste reports by dates required in permits;
9. Complete or update plant capacity evaluation reports on three plants;
10. Identify implementable operating cost saving measures at five plants.

Resources Required: \$239,339

Work Hours Required: 12,320

MAJOR EMERGENCY OPERATIONS (031)

Description:

1. Respond to and provide major emergency repairs of an unforeseeable nature in excess of \$5,000 for operational facilities and interceptor systems;
2. Manage within the limits of the 1986 Operating Budget.

Performance Criteria:

1. Complete major emergency repairs in an expeditious manner;
2. Quarterly reports of percent compliance within the 1986 Operating Budget.

Resources Required: \$150,000

Work Hours Required: -0-

MANAGEMENT INFORMATION SYSTEMS (032)

Description:

1. Enhance Plant Information system as required;

2. Develop minor programs for various departments;
3. Provide assistance and training to MIS users;
4. Maintain software integrity;
5. Oversee maintenance contracts for all MIS computer equipment and peripherals;
6. Increase computer hardware to meet user needs;
7. Operate within 1986 Budget.

Performance Criteria:

1. Development proceeding per schedule;
2. Programs being developed for simple application;
3. Users being trained on the usage of the system;
4. Various system programs and hardware installed and maintained;
5. Patches applied to the system software to eliminate bugs and adequate backup of data provided;
6. Computer equipment and terminals being serviced properly and the contracts to do so, the best that can be negotiated;
7. Quarterly financial report;

Resources Required: \$843,293

Work Hours Required: 10,100

REGULATOR SYSTEM (033)

Description:

1. To keep in good working order 17 instrumented and 90 non-instrumented combined sewer regulator installations through a complete inspection and preventative maintenance program;

REGULATOR SYSTEM (033) (Continued)

Description:

2. To prepare and submit to Engineering Department and MPCA monthly overflow summaries;
3. Manage within the limits of the 1986 Operating Budget.

Performance Criteria:

1. Perform 100% of N.P.D.E.S. permit required regulator inspections and repairs;
2. Provide 100% of required reports in appropriate time frame;
3. Manage within limits of 1986 Operating Budget, and provide report on same in appropriate time frame.

Resources Required: \$386,443

Work Hours Required: 12,260

INTERCEPTOR SYSTEM ADMINISTRATION (034)

Description:

1. To direct and report in a timely manner the financial status and performance of all 1986 Interceptor System Programs;
2. To develop and review plans for new facilities and programs;
3. To manage within the limits of the 1986 Operating Budget;
4. To coordinate and maintain a comprehensive safety program;

Performance Criteria:

1. Submit program status reports by the 15th day of each month;

2. Review project plans and specifications on schedule;
3. Detect program deficiencies and include in 1987 Budget;
4. Report quarterly on percent compliance with the 1986 Budget;
5. Conduct weekly tailgate and monthly safety meetings; oversee Interceptor Safety Committee activity and progress.

Resources Required: \$337,481

Work Hours Required: 10,307

INTERCEPTOR SYSTEM MAINTENANCE (035)

Description:

1. Administer and monitor the Interceptor Rental Agreements;
2. Administer and monitor performance and costs of Interceptor Maintenance Agreements;
3. Perform scheduled inspection of interceptor gravity sewers;
4. Perform required repair on interceptor pipes and appurtenances;
5. Perform Inflow/Infiltration investigation and rehabilitation;
6. Perform cleaning operations on schedule and on demand basis;
7. Manage within the limits of the 1986 operating budget.

Performance Criteria:

1. Review Rental Agreement costs;
2. Review costs and productivity of maintenance performed under Maintenance Agreements;
3. Complete scheduled inspections;



INTERCEPTOR SYSTEM MAINTENANCE (035)  
(Continued)

4. Complete needed system repairs;
5. Complete I/I investigations and required rehabilitation;
6. Complete required cleaning operations;
7. Maintain quarterly compliance with 1986 Operating Budget.

Resources Required: \$819,582 .

Work Hours Required: 14,161

LIFT STATIONS (036)

Description:

1. Operate and maintain 64 lift stations for the conveyance of intercommunity sewage flow by means of a first and second echelon maintenance program;
2. Maintain continuous alarm system surveillance of 64 lift station for assurance of proper system operation;
3. Provide second echelon maintenance support to 6 treatment plants;
4. Provide second echelon maintenance support to the River Quality Monitoring program;
5. Manage within the 1986 Operating Budget.

Performance Criteria:

1. Maintain continuous operation of 64 lift stations;
2. Maintain continuous operation of the alarm system;
3. Provide second echelon support to 6 treatment plants;
4. Provide second echelon support to RQM program;
5. Quarterly compliance with the 1986 Operating Budget.

Resources Required: \$2,191,219

Work Hours Required: 53,293

METERING STATIONS (037)

Description:

1. Keep 169 flow meters in good working order through preventative maintenance and quarterly calibration schedule;
2. Schedule calibrations as efficiently as possible;
3. Prepare and forward to Engineering Department monthly metered flow reports by the 20th of the following month;
4. Prepare community flows for the communities every half year;
5. Assist Engineering in contracting communities when excess inflow and infiltration take place;
6. Keep in good working order all meter system computer equipment and peripherals by means of a complete maintenance program;
7. Install weirs at locations where data is needed and no meter devices are available;
8. Operate within the limits of the 1986 Budget.

Performance Criteria:

1. Keep maintenance and calibration schedules up-to-date;
2. Update maintenance schedule so that problematic meters receive more attention;
3. Prepare and submit flow reports on time;
4. Send reports to communities asking for flow information on six month basis;
5. Make calls to communities when I/I problems occur;

METERING STATIONS (037) (Continued)

6. Keep computer maintenance schedule up-to-date;
7. Prepare to replace old Honeywell 316 computer.

Resources Required: \$851,837

Work Hours Required: 24,968

EMPIRE PLANT (038)

Description:

1. To administer and oversee Operations and Maintenance at the Empire Plant facilities in a timely manner to insure safe, continuous, environmentally sound, and efficient operation in compliance with applicable operating permits and codes, and in conformance with allocated operating funds;
2. To administer preparation, presentation, and compliance with annual budgets; personnel scheduling and time reports; selection and recommendation of suppliers for purchased goods and services; preparation and review of documents submitted to the Commission and to regulatory agencies; coordination of safety activities; and discussions and negotiations with labor union representatives. To provide technical expertise required for minor plant modifications and development and implementation of plant process control strategies; and for maintenance and improvement to the process computer system;
3. To manage operations personnel; the operation of plant equipment; routine maintenance of plant equipment; control of plant unit processes to maintain compliance with effluent quality limitations and performance procedures; routine and special cleaning in all plant areas; routine and special yard work on the plant grounds. To respond to unusual and/or emergency conditions;

4. To manage maintenance personnel; emergency and preventive maintenance; the resolution of recurring maintenance problems; cost-effective modification or replacement of equipment; and completion of minor plant improvement projects which improve plant efficiency.

Performance Criteria:

1. Manage Program 038 using the funds in the approved 1986 Operating Budget;
2. Achieve a minimum annual average compliance with NPDES permit effluent limitations of 98%;
3. Attain minimum effluent quality performance of 95% frequency and 33% severity;
4. Hold monthly safety meetings, respond to 95% of all safety deficiency reports within 48 hours;
5. Maintain neat, clean and well-kept appearance throughout plant buildings and grounds;
6. Manage plant maintenance activities to perform critical maintenance in an efficient and timely manner;

	<u>ACTUAL</u> <u>1984</u>	<u>GOAL</u> <u>1985</u>	<u>GOAL</u> <u>1986</u>
Budgeted funds expended	110%	<100%	<100%
NPDES permit compliance	99%	> 97%	> 98%
Frequency goal	99%	> 95%	> 95%
Severity goal	20%	< 25%	> 33%
Monthly safety Meetings	83%	> 50%	> 92%
Safety deficiency response	N/A	N/A	> 95%
Monthly plant appearance insp.	N/A	N/A	> 92%
Weekly main. mtgs.	N/A	N/A	> 92%

Resources Required: \$ 1,715,933

Work Hours Required: 44,600

## METRO PLANT OPERATIONS (040)

### Description:

1. Protect and ensure safety and healthful environment for Metro Plant employees and effected public;
2. Meet all applicable NPDES Requirements;
3. Appropriately train and motivate work force to assure operational performance;
4. Manage operation of facility within 1986 Budget constraints.

### Performance Criteria:

1. A) Reduction in "time lost" safety related accidents at Metro;  
B) Response to all safety deficiency forms with action timetable within 14 days;
2. Official Q.C. and PCA records documenting 97% compliance;
3. A) Implement "Operator Certification" Program with IUOE #35;  
B) Impact 50% of work force with formal instruction and/or educational growth;
4. Monthly financial reports generated by Comptroller's Department.

Resources Required: \$27,635,898

Work Hours Required: 708,074

## METRO PLANT MAINTENANCE (040)

### Description:

1. Provide maintenance services to assure that operational units of the plant meet 97% compliance effluent limitations during 1986;
2. Provide maintenance services to assure that opoational units of the plant meet effluent quality performance of 90% frequency and 40% severity;

3. Respond to emergency work orders without delay;
4. Manage maintenance services within the limits of the maintenance 1986 budget;
5. Maintain satisfactory labor relations;
6. Provide 40 hours of safety training for each maintenance staff member.

### Performance Criteria:

1. Hours of equipment downtime directly affecting NPDES Permits or performance goals;
2. Hours of equipment downtime affecting NPDES Permits of performance goals;
3. Number of emergency work orders not completed in a timely manner;
4. Comparison to 1986 operating budget;
5. Number of grievances going to Step III;
6. Hours of training accomplished.

	<u>1984</u>	<u>1985</u>	<u>1986</u>
Downtime hours	0	0	0
Work orders	0	0	0
Budget %	91.6	99	99
Grievances	2	2	2
Training hours	40	40	40

Resources Required: \$11,517,687

Work Hours Required: 338,800

## SENECA PLANT (041)

### Description:

To operate and maintain the Seneca Wastewater Treatment Plant in a manner which will insure a safe, continuous, environmentally sound, and efficient operation which is in compliance with applicable operating permits, codes, and regulations and in conformity with allocated operating funds.

SENECA PLANT (041) (Continued)

Performance Criteria:

1. To attain a minimum annual average compliance with NPDES Permit effluent limitations of 98%;
2. To attain effluent quality performance equal to 93% frequency and 33% severity;
3. Manage operations within the funds in the 1986 Operating Budget;
4. Respond to 95% of all safety deficiency reports within 48 hours and achieve a safety record based on accident rates which is equal to or better than the past year and averages for the industry;
5. Compliance with regulations and codes.

Resources Required: \$3,536,963

Work Hours Required: 86,400

BLUE LAKE PLANT (042)

Description: To operate and maintain the Blue Lake Plant providing safe, continuous environmentally sound, and efficient operations in compliance with applicable operating permits codes and regulations and in conformity with allocated operating funds.

Performance Criteria:

1. To achieve a minimum annual average compliance with NPDES Permit effluent limitations of 98%;
2. To attain effluent quality performance equal to 95% frequency and 33% severity;
3. Manage operations within the funds in the 1986 Operating Budget;
4. Respond to 95% of all safety deficiency reports within 48 hours and achieve a safety record based on accident rates which is equal to or better than the past year and averages for the industry;

5. Compliance with regulations and codes.

Resources Required: \$1,985,768

Work Hours Required: 62,250

CHASKA PLANT (043)

Description: To operate and maintain the Chaska Treatment Plant providing safe, continuous environmentally sound, and efficient operations in compliance with applicable operating permits codes and regulations and in conformity with allocated operating funds.

Performance Criteria:

1. To achieve a minimum annual average compliance with NPDES Permit effluent limitations of 98%;
2. To attain effluent quality performance equal to 93% frequency and 97% severity;
3. Manage operations within the funds in the 1986 Operating Budget;
4. Respond to 95% of all safety deficiency reports within 48 hours and achieve a safety record based on accident rates which is equal to or better than the past year and averages for the industry;
5. Compliance with regulations and codes.

Resources Required: \$246,931

Work Hours Required: 8,670

ANOKA PLANT (044)

Description:

1. To achieve a minimum annual average percentage compliance with NPDES Permit effluent limitations of 98%;
2. To attain effluent quality performance equal to 93% frequency and 33% severity;

ANOKA PLANT (044) (Continued)

Description: (continued)

3. To manage operations within budget limitations.

Performance Criteria:

1. To achieve a minimum annual average percentage compliance with NPDES permit effluent limitations of 97%;
2. To attain effluent quality performance equal to 93% frequency and 33% severity;
3. To manage operations within the limitations of the 1986 Operating Budget.

Resources Required: \$285,315

Work Hours Required: 7,880

BAYPORT PLANT (045)

Description: To operate and maintain the Bayport Treatment Plant to maintain safe, continuous, environmentally sound, and efficient operation in compliance with applicable operating permits, codes, and regulations and in conformity with allocated operating funds.

Performance Criteria:

1. To achieve a minimum annual average percentage compliance with NPDES permit effluent limitations of 98%;
2. To attain effluent quality performance equal to 93% frequency and 33% severity;
3. Manage operations within the funds in the 1986 Operating Budget;
4. Respond to 95% of all safety deficiency reports within 48 hours;
5. Compliance with regulations and codes.

Resources Required: \$244,607

Work Hours Required: 5,085

COTTAGE GROVE PLANT (046)

Description: To operate and maintain the Cottage Grove Plant to maintain safe, continuous, environmentally sound, and efficient operation in compliance with applicable operating permits, codes, and regulations and in conformity with allocated operating funds.

Performance Criteria:

1. To achieve a minimum annual average percentage compliance with NPDES permit effluent limitations of 97%;
2. To attain effluent quality performance equal to 93% frequency and 33% severity;
3. Manage operations within the funds in the 1986 Operating Budget;
4. Respond to 95% of all safety deficiency reports within 48 hours;
5. Compliance with regulations and codes.

Resources Required: \$384,136

Work Hours Required: 9,845

HASTINGS PLANT (047)

Description: To operate and maintain the Hastings Treatment Plant to maintain safe, continuous, environmentally sound, and efficient operation in compliance with applicable operating permits, codes, and regulations and in conformity with allocated operating funds.

Performance Criteria:

1. To achieve a minimum annual average percentage compliance with NPDES permit effluent limitations of 98%;
2. To attain effluent quality performance equal to 93% frequency and 33% severity;

HASTINGS PLANT (047) (Continued)

Performance Criteria: (continued)

3. Manage operations within the funds in the 1986 Operating Budget;
4. Respond to 95% of all safety deficiency reports within 48 hours;
5. Compliance with regulations and codes.

Resources Required: \$396,998

Work Hours Required: 9,845

STILLWATER PLANT (048)

Description: To operate and maintain the Stillwater Plant to maintain safe, continuous, environmentally sound, and efficient operation in compliance with applicable operating permits, codes, and regulations and in conformity with allocated operating funds.

Performance Criteria:

1. To achieve a minimum annual average compliance with NPDES Permit effluent limitations of 98%;
2. To attain effluent quality performance equal to 93% frequency and 33% severity;
3. Manage operations within the funds in the 1986 Operating Budget;
4. Respond to 95% of all safety deficiency reports within 48 hours;
5. Compliance with regulations and codes.

Resources Required: \$465,919

Work Hours Required: 10,965

SAVAGE PLANT (049)

Description: To operate and maintain the Savage Treatment Plant providing safe, continuous environmentally sound, and efficient operations in compliance with applicable operating permits, codes, and regulations and in conformity with allocated operating funds.

Performance Criteria:

1. To achieve a minimum annual average compliance with NPDES Permit effluent limitations of 98%;
2. To attain effluent quality performance equal to 93% frequency and 33% severity;
3. Manage operations within the funds in the 1986 Operating Budget;
4. Respond to 95% of all safety deficiency reports within 48 hours;
5. Compliance with regulations and codes.

Resources Required: \$120,680

Work Hours Required: 3,840

MAPLE PLAIN PLANT (050)

Description:

1. To achieve a minimum average annual compliance with NPDES Permit effluent limitations of 95%;
2. To attain effluent quality performance equal to 90% frequency and 40% severity
3. To manage operations within budget limitations;

Performance Criteria:

1. To achieve a minimum annual average compliance with NPDES Permit effluent limitations of 97%;
2. To attain effluent quality performance equal to 93% frequency and 33% severity;

MAPLE PLAIN PLANT (050) - (Continued)

Performance Criteria: (continued)

3. To manage operations within the limitations of the 1986 operating budget.

Resources Required: \$125,629

Work Hours Required: 3,130

ROSEMOUNT PLANT (051)

Description:

1. To administer and oversee Operations and Maintenance at the Rosemount Plant facilities in a timely manner to ensure safe, continuous, environmentally sound, and efficient operation in compliance with applicable operating permits and codes, and in conformance with allocated operating funds;

tion, and compliance with annual budgets; personnel scheduling and time reports; selection and recommendation of suppliers for purchased goods and services; preparation and review of documents submitted to the Commission and to regulatory agencies; coordination of safety activities, and discussions and negotiations with labor union representatives. To provide technical expertise required for minor plant modifications and development and implementation of plant process control strategies;

3. To manage operations personnel; the operation of plant equipment; routine maintenance of plant equipment; control of plant unit processes to maintain compliance with effluent quality limitations and performance procedures, routine and special cleaning in all plant areas; routine and special yard work on the plant grounds. To respond to unusual and/or emergency conditions;

4. To manage maintenance personnel; emergency and preventative maintenance; the resolution of recurring maintenance problems; cost-effective modifications or replacement of equipment; and completion of minor plant improvement projects which improve plant efficiency.

Performance Criteria:

1. Manage Program 053 using the funds in the approved 1986 Operating Budget;
2. Achieve a minimum annual average compliance with NPDES permit effluent limitations of 98%;
3. Attain minimum effluent quality performance of 93% frequency and 33% severity;
4. Hold monthly safety meetings, respond to 95% of all safety deficiency reports within 48 hours;
5. Maintain neat, clean and well-kept appearance throughout plant buildings and grounds;
6. Manage plan maintenance activities to perform critical maintenance in an efficient and timely manner.

Resources Required: \$682,161

Work Hours Required: 16,600

SOUTH ST PAUL PLANT (052)

Description:

1. To provide continuous conveyance of wastewater to the Metro Plant;
2. To manage operations within the limits of the 1986 budget;
3. To maintain good safety conditions.

SOUTH ST PAUL PLANT (052) (Continued)

Performance Criteria:

1. Avoid emergency discharge;
2. Perform scheduled routine maintenance on equipment to assure reliability;
3. Quarterly compliance with 1986 Budget;
4. Maintain the estimated cost of lost time due to accidents to less than \$0.20 per hour worked.

Resources Required: \$321,200

Work Hours Required: 4,725



# SUMMARY STATEMENT OF PROGRAM EXPENDITURES

		<u>Proposed 1986</u>	<u>Budget 1985</u>	<u>Actual 1984</u>
5010	Salaries & Wages	\$29,830,765	\$28,672,977	\$26,368,521
5020	Employee Benefits	6,562,767	5,730,520	5,696,216
5040	Travel - Out State	15,947	52,325	47,284
5041	Travel - Local	14,763	19,627	16,340
5042	Auto Allowance	10,800	10,800	5,048
5045	Recruitment	3,090	3,000	3,146
5046	Public Hearings	8,787	3,250	2,749
5050	Commission - Per Diem	38,800	27,800	37,500
5051	Commission - Other	2,575	2,500	2,128
5060	Office Rent	271,650	273,000	248,260
5070	Educational Allowance	287,280	25,000	32,362
5080	Safety	32,000	32,000	19,601
5085	Medical Aids	12,523	10,975	11,665
5090	Cont. Serv. - Data Processing	67,636	81,300	53,242
5091	Cont. Serv. - Administration	57,960	82,000	45,758
5092	Cont. Serv. - Auditing	30,242	49,000	28,770
5093	Cont. Serv. - Engineering	220,000	70,000	8,566
5094	Cont. Serv. - Laboratory	69,543	39,270	31,246
5095	Cont. Serv. - Laundry	113,286	131,978	121,089
5096	Cont. Serv. - Legal	59,289	95,000	132,856
5097	Cont. Serv. - Maintenance	1,563,785	1,792,014	1,135,599
5098	Cont. Serv. - Operations	208,458	628,250	115,013
5099	Cont. Serv. - Xeroxing	92,848	87,925	89,854
5100	Cont. Serv. - Sldg. Removal	345,809	363,900	495,660
5101	Cont. Serv. - Janitorial	33,190	35,292	29,911
5102	Cont. Serv. - Other	870,484	779,359	487,715
5200	Materials & Supplies	1,098,750	1,068,985	765,192
5210	Maint. Materials & Suppl.	2,764,549	2,863,486	2,115,354
5300	Office Supplies	95,705	77,470	81,329
5310	Publications	49,430	43,290	44,754
5320	Postage	41,316	35,220	30,772
5330	Office Equipment Repair	8,500	8,560	4,436
5340	Advertising	6,800	5,660	9,884
5350	Dues & Subscriptions	18,381	17,163	21,485
5360	Meal Allowance	-0-	-0-	-0-
5370	Flood Control	10,000	10,500	10
5390	Council Participation	103,000	100,000	77,895
5500	Motor Vehicle Expense	1,212,877	709,676	617,839
5620	Interceptor Rental Contract	128,427	128,427	164,120

		<u>Proposed 1986</u>	<u>Budget 1985</u>	<u>Actual 1984</u>
5630	Interceptor Maintenance Cont.	142,700	\$ 164,900	\$ 108,792
5700	Insurance - Auto	112,812	62,119	47,549
5701	Insurance - Blanket Bond	2,000	2,000	929
5702	Insurance - Bldg. & Property	248,100	139,315	118,141
5703	Insurance - General Liability	45,000	39,174	26,012
5704	Insurance - Wkms. Compensation	784,627	586,666	542,223
5705	Insurance - Excess Liability	57,750	34,560	28,800
5706	Insurance - Other	2,430	2,430	2,775
5800	Utilities - Electrical	9,701,424	8,658,029	8,478,110
5801	Utilities - Fuel	290,863	699,126	1,337
5802	Utilities - Gas	2,298,524	2,619,690	2,144,918
5803	Utilities - Water	122,859	126,289	91,990
5850	Telephone Service	232,127	223,078	221,109
5851	Leased Lines	173,743	208,683	137,881
5900	Chemicals - Ferric Chlorine	68,796	217,300	70,671
5901	Chemicals - Potassium	80,000	-0-	-0-
5902	Chemicals - Lime	126,150	191,436	118,938
5903	Chemicals - Other	781,300	465,521	324,373
5904	Polymers	1,344,407	789,980	924,259
5905	Chemicals - Acid	26,000	32,000	-0-
5940	Chlorine	381,748	486,090	347,883
5999	Miscellaneous	24,152	24,360	19,457
6010	Debt. Serv. - Local Gov't.	1,301,433	1,394,681	1,472,696
6020	Debt. Serv. - Metro Council	25,362,487	23,403,371	20,298,733
6100	Acquistion Costs	4,166,411	4,172,088	4,063,411
6200	Capital Outlay	<u>1,320,024</u>	<u>1,353,494</u>	<u>906,627</u>
	TOTALS	<u>\$95,559,879</u>	<u>\$90,252,506</u>	<u>\$79,696,783</u>

# PROGRAM DETAIL COSTS

## ADMINISTRATION & MANAGEMENT (001)

5010	Salaries & Wages	\$364,061
5020	Employee Benefits	80,093
5040	Travel - Out State	3,210
5042	Auto Allowance	7,200
5046	Public Hearings	3,000
5060	Office Rent	271,650
5070	Educational Allowance	2,721
5091	Cont. Serv. - Admin.	30,900
5200	Materials & Supplies	1,400
5350	Dues & Subscriptions	7,480
5390	Council Participation	103,000
5999	Miscellaneous	472
6200	Capital Outlay	1,772
TOTAL		<u>\$876,959</u>

## COMMISSION ADMINISTRATION (002)

5010	Salaries & Wages	\$ 87,098
5020	Employee Benefits	19,162
5040	Travel - Out State	3,000
5041	Travel - Local	2,500
5042	Auto Allowance	3,600
5046	Public Hearings	5,015
5050	Commission - Per Diem	38,800
5051	Commission - Other	2,575
5070	Educational Allowance	11,150
5102	Cont. Serv. - Other	100,000
5999	Miscellaneous	1,545
6200	Capital Outlay	1,030
TOTAL		<u>\$275,475</u>

## AFFIRMATIVE ACTION (003)

5010	Salaries & Wages	\$ 89,457
5020	Employee Benefits	19,681
5041	Travel - Local	483
5070	Educational Allowance	1,030
5091	Cont. Serv. - Admin.	2,060
5350	Dues & Subscriptions	1,000
5999	Miscellaneous	824
6200	Capital Outlay	515
TOTAL		<u>\$115,050</u>

## PUBLIC INFORMATION (004)

5010	Salaries & Wages	\$ 85,622
5020	Employee Benefits	18,837
5041	Travel - Local	1,030
5046	Public Hearings	772
5070	Educational Allowance	1,030
5102	Contract Serv. - Other	10,040
5200	Materials & Supplies	8,000
5310	Publications	41,058
5320	Postage	12,420
5350	Dues & Subscriptions	1,442
5999	Miscellaneous	3,000
6200	Capital Outlay	3,964
TOTAL		<u>\$187,215</u>

## SAFETY (005)

5010	Salaries & Wages	\$137,159
5020	Employee Benefits	30,174
5070	Educational Allowance	1,030
5085	Medical Aids	9,975
5090	Cont. Serv. - Data Proc.	800
5102	Contract Serv. - Other	13,117
5200	Materials & Supplies	12,028
5350	Dues & Subscriptions	4,716
5500	Motor Vehicle Expense	4,910
6200	Capital Outlay	12,189
TOTAL		<u>\$226,098</u>

## CAREER DEVELOPMENT (006)

5041	Travel - Local	\$ 300
5070	Educational Allowance	20,500
5102	Contract Serv. - Other	10,300
5310	Publications	258
5999	Miscellaneous	103
TOTAL		<u>\$31,461</u>

LEGAL SERVICES (007)

5010	Salaries & Wages	\$ 43,851
5020	Employee Benefits	9,647
5040	Travel - Out State	1,279
5041	Travel - Local	100
5070	Educational Allowance	200
5096	Contract Serv. - Legal	59,289
5200	Materials & Supplies	100
5310	Publications	600
5350	Dues & Subscriptions	160

TOTAL \$115,226

ENGINEERING ADMINISTRATION (008)

5010	Salaries & Wages	\$145,449
5020	Employee Benefits	31,999
5041	Travel - Local	460
5070	Educational Allowance	10,900
5090	Cont. Serv. - Data Proc.	1,300
5200	Materials & Supplies	11,000
5310	Publications	412
5350	Dues & Subscriptions	159
5500	Motor Vehicle Expense	1,545
6200	Capital Outlay	750

TOTAL \$203,974

COMMUNITY SERVICES (009)

5010	Salaries & Wages	\$196,851
5020	Employee Benefits	43,307

TOTAL \$240,158

ENGINEERING SERVICES (010)

5010	Salaries & Wages	\$162,773
5020	Employee Benefits	35,810

TOTAL \$198,583

QUALITY CONTROL ADMINISTRATION (011)

5010	Salaries & Wages	\$102,701
5020	Employee Benefits	22,594
5040	Travel - Out State	900
5070	Educational Allowance	13,576
5097	Contract Serv. - Maint.	2,620
5200	Materials & Supplies	2,600
5310	Publications	2,100

QUALITY CONTROL ADMINISTRATION (011) (Cont)

5350	Dues & Subscriptions	\$ 500
5500	Motor Vehicle Expense	1,430
6200	Capital Outlay	7,530

TOTAL \$156,551

INDUSTRIAL WASTE (012)

5010	Salaries & Wages	\$603,435
5020	Employee Benefits	132,756
5041	Travel - Local	175
5090	Cont. Serv. - Data Proc.	4,120
5097	Cont. Serv. - Maint.	2,266
5200	Materials & Supplies	13,390
5500	Motor Vehicle Expense	4,403
5999	Miscellaneous	412
6200	Capital Outlay	57,820

TOTAL \$818,777

RESEARCH & DEVELOPMENT (013)

5010	Salaries & Wages	\$187,316
5020	Employee Benefits	41,209
5090	Cont. Serv. - Data Proc.	1,300
5094	Cont. Serv. - Lab.	18,100
5097	Cont. Serv. - Maint.	2,400
5102	Cont. Serv. - Other	111,690
5200	Materials & Supplies	21,230
5300	Office Supplies	1,050
5310	Publications	2,800
5500	Motor Vehicle Expense	1,545
6200	Capital Outlay	29,000

TOTAL \$417,640

WATER QUALITY MONITORING (014)

5010	Salaries & Wages	\$332,279
5020	Employee Benefits	73,101
5090	Cont. Serv. - Data Proc.	6,180
5097	Cont. Serv. - Maint.	6,750
5102	Cont. Serv. - Other	77,000
5200	Materials & Supplies	16,068
5210	Maint. Materl. & Suppl.	4,223
5500	Motor Vehicle Expense	5,400
5851	Leased Lines	12,500
6200	Capital Outlay	7,700

TOTAL \$541,201

LABORATORY SERVICES (015)

5010	Salaries & Wages	\$ 972,660
5020	Employee Benefits	213,985
5041	Travel - Local	592
5090	Cont. Serv. - Data Proc.	1,236
5094	Cont. Serv. - Lab.	47,943
5097	Cont. Serv. - Maint.	22,984
5101	Cont. Serv. - Janitorial	3,090
5200	Materials & Supplies	102,880
5300	Office Supplies	5,253
5310	Publications	1,802
5350	Dues & Subscriptions	618
5500	Motor Vehicle Expense	4,340
6200	Capital Outlay	56,974

TOTAL \$1,434,357

AIR QUALITY MONITORING (016)

5010	Salaries & Wages	\$ 94,291
5020	Employee Benefits	20,744
5070	Educational Allowance	165
5097	Cont. Serv. - Maint.	1,133
5102	Cont. Serv. - Other	515
5200	Materials & Supplies	13,838
5500	Motor Vehicle Expense	721
6200	Capital Outlay	13,359

TOTAL \$144,766

SLUDGE UTILIZATION ON LAND (017)

5010	Salaries & Wages	\$ 23,485
5020	Employee Benefits	5,167
5090	Cont. Serv. - Data Proc.	800
5094	Cont. Serv. - Lab.	3,500
5100	Cont. Serv. - Sldg. Rem.	230,000
5102	Cont. Serv. - Other	14,800
5200	Materials & Supplies	250
5300	Office Supplies	425
5500	Motor Vehicle Expense	630

TOTAL \$279,057

CONSTRUCTION ADMINISTRATION (018)

5010	Salaries & Wages	\$15,061
5020	Employee Benefits	3,313

TOTAL \$18,374

BUSINESS SERVICES ADMINISTRATION (019)

5010	Salaries & Wages	\$ 75,150
5020	Employee Benefits	16,533
5070	Educational Allowance	2,832
5099	Contract Serv. - Xerox	54,075
5300	Office Supplies	44,030
5320	Postage	28,500
5330	Office Equipment Repair	5,150
5850	Telephone Service	51,500

TOTAL \$277,770

PERSONNEL SERVICES (020)

5010	Salaries & Wages	\$115,949
5020	Employee Benefits	25,509
5045	Employee Recruitment	3,090
5070	Educational Allowance	2,000
5102	Cont. Serv. - Other	91,725
5340	Advertising	6,000
5999	Miscellaneous	824

TOTAL \$245,097

LABOR RELATIONS & EMPLOYEE RECRUITMENT (021)

5010	Salaries & Wages	\$38,981
5020	Employee Benefits	8,576
5091	Cont. Serv. - Admin.	25,000
5999	Miscellaneous	206

TOTAL \$72,763

PROPERTY, CASUALTY AND EMPLOYEE BENEFITS INSURANCE (022)

5010	Salaries & Wages	\$ 67,375
5020	Employee Benefits	14,823
5700	Insurance - Auto	112,812
5701	Insurance - Blanket Bond	2,000
5702	Insurance - Bldg. & Prop.	248,100
5703	Insurance - Gen. Liab.	45,000
5704	Insurance - Wkms. Comp.	814,027
5705	Insurance - Umbr. Exc. Liab.	57,750
5706	Insurance - Other	2,430

TOTAL \$1,364,317

PURCHASING (023)

5010	Salaries & Wages	\$136,452
5020	Employee Benefits	30,019
5070	Educational Allowance	300
5102	Cont. Serv. - Other	1,460
5200	Materials & Supplies	300
5340	Advertising	800
5350	Dues & Subscriptions	375
5500	Motor Vehicle Expense	6,000
6200	Capital Outlay	16,389
TOTAL		<u>\$192,095</u>

COMPTROLLER ADMINISTRATION (024)

5010	Salaries & Wages	\$ 80,687
5020	Employee Benefits	17,751
5070	Educational Allowance	3,559
5090	Cont. Serv. - Data Proc.	4,120
5350	Dues & Subscriptions	824
5500	Motor Vehicle Expense	1,545
5999	Miscellaneous	412
6200	Capital Outlay	9,270
TOTAL		<u>\$118,168</u>

ACCOUNTING & COLLECTIONS (025)

5010	Salaries & Wages	\$101,452
5020	Employee Benefits	22,319
5041	Travel - Local	332
5090	Cont. Serv. - Data Proc.	26,780
5092	Cont. Serv. - Auditing	30,242
6200	Capital Outlay	927
TOTAL		<u>\$182,052</u>

DISBURSEMENTS (026)

5010	Salaries & Wages	\$105,399
5020	Employee Benefits	23,188
TOTAL		<u>\$128,587</u>

PAYROLL (027)

5010	Salaries & Wages	\$101,662
5020	Employee Benefits	22,366
5090	Cont. Serv. - Data Proc.	18,000
6200	Capital Outlay	618
TOTAL		<u>\$142,646</u>

DEBT SERVICE & ACQUISITION COSTS (028)

6010	Debt Serv - Loc. Gov't.	\$ 1,301,433
6020	Debt. Serv.-Met. Council	25,362,487
6100	Acquisition Costs	4,166,411
TOTAL		<u>\$30,830,331</u>

OPERATIONS ADMINISTRATION (029)

5010	Salaries & Wages	\$171,497
5020	Employee Benefits	37,729
5040	Travel - Out State	900
5041	Travel - Local	230
5070	Educational Allowance	13,725
5102	Cont. Serv. - Other	7,416
5500	Motor Vehicle Expense	3,630
5999	Miscellaneous	515
6200	Capital Outlay	4,470
TOTAL		<u>\$240,112</u>

PROCESS ASSURANCE (030)

5010	Salaries & Wages	\$184,464
5020	Employee Benefits	40,582
5040	Travel - Out State	474
5070	Educational Allowance	8,000
5102	Cont. Serv. - Other	1,545
5200	Materials & Supplies	1,545
5300	Office Supplies	824
5999	Miscellaneous	154
6200	Capital Outlay	1,751
TOTAL		<u>\$239,339</u>

MAJOR EMERGENCY REPAIR (031)

5093	Cont. Serv. - Eng.	\$ 15,000
5097	Cont. Serv. - Maint.	135,000
TOTAL		<u>\$150,000</u>

MANAGEMENT INFORMATION SYSTEMS (032)

5010	Salaries & Wages	\$186,390
5020	Employee Benefits	41,006
5041	Travel - Local	1,955
5070	Educational Allowance	42,207
5093	Cont. Serv. - Engin.	205,000
5097	Cont. Serv. - Maint.	92,785
5102	Cont. Serv. - Other	28,930
5200	Materials & Supplies	18,870
5300	Office Supplies	500
5310	Publications	400
5850	Telephone Service	19,600
5999	Miscellaneous	100
6200	Capital Outlay	<u>205,550</u>

TOTAL		<u>\$843,293</u>
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REGULATOR SYSTEM (033)

5010	Salaries & Wages	\$215,783
5020	Employee Benefits	47,472
5041	Travel - Local	162
5070	Educational Allowance	500
5085	Medical Aids	77
5095	Cont. Serv. - Laundry	2,025
5097	Cont. Serv. - Maint.	13,905
5200	Materials & Supplies	5,000
5210	Maint. Materl. & Suppl.	24,380
5300	Office Supplies	393
5500	Motor Vehicle Expense	24,241
5800	Utilities - Electrical	7,291
5851	Leased Lines	16,153
5999	Miscellaneous	139
6200	Capital Outlay	<u>28,922</u>

TOTAL		<u>\$386,443</u>
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INTERCEPTOR SYSTEM ADMINISTRATION (034)

5010	Salaries & Wages	193,337
5020	Employee Benefits	42,534
5040	Travel - Out State	1,184
5041	Travel - Local	50
5070	Educational Allowance	2,000
5095	Cont. Serv. - Laundry	161
5097	Cont. Serv. - Maint.	7,500
5098	Cont. Serv. - Oper.	7,416
5099	Cont. Serv. - Xerox	644
5102	Cont. Serv. - Other	52,733
5300	Office Supplies	1,000
5310	Publications	600
5330	Office Equipment Repair	1,478
5500	Motor Vehicle Expense	2,700
5802	Utilities - Gas	7,107

INTERCEPTOR SYSTEM ADMINISTRATION (034)  
(Continued)

5850	Telephone Service	\$ 5,652
5851	Leased Lines	2,385
6200	Capital Outlay	<u>9,000</u>
TOTAL		<u>\$337,481</u>

INTERCEPTOR SYSTEM MAINTENANCE (035)

5010	Salaries & Wages	\$266,766
5020	Employee Benefits	58,689
5041	Travel - Local	1,000
5070	Educational Allowance	2,000
5085	Medical Aids	200
5095	Cont. Serv. - Laundry	1,600
5097	Cont. Serv. - Maint.	45,000
5102	Cont. Serv. - Other	6,000
5200	Materials & Supplies	26,000
5210	Maint. Materl. & Suppl.	18,000
5300	Office Supplies	500
5500	Motor Vehicle Expense	20,600
5620	Intcp. Rental Contract	128,427
5630	Intcp. Maint. Contract	142,700
5999	Miscellaneous	100
6200	Capital Outlay	<u>102,000</u>

TOTAL		<u>\$819,582</u>
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LIFT STATIONS (036)

5010	Salaries & Wages	\$ 877,610
5020	Employee Benefits	193,074
5041	Travel - Local	1,000
5070	Educational Allowance	4,000
5085	Medical Aids	750
5095	Cont. Serv. - Laundry	9,360
5097	Cont. Serv. - Maint.	89,800
5102	Cont. Serv. - Other	6,800
5200	Materials & Supplies	83,500
5210	Maint. Materl. & Suppl.	121,850
5300	Office Supplies	4,000
5500	Motor Vehicle Expense	63,100
5800	Utilities - Electrical	559,600
5802	Utilities - Gas	34,100
5803	Utilities - Water	2,800
5850	Telephone Service	12,875
5851	Leased Lines	38,000
5940	Chlorine	2,500
5999	Miscellaneous	3,000
6200	Capital Outlay	<u>83,500</u>

TOTAL		<u>\$2,191,219</u>
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METERING STATIONS (037)

5010	Salaries & Wages	\$405,588
5020	Employee Benefits	89,229
5040	Travel - Out State	5,000
5041	Travel - Local	500
5070	Educational Allowance	1,000
5085	Medical Aids	200
5095	Cont. Serv. - Laundry	2,120
5097	Cont. Serv. - Maint.	49,000
5102	Cont. Serv. - Other	3,000
5200	Materials & Supplies	23,000
5210	Maint. Materl. & Suppl.	51,500
5300	Office Supplies	500
5500	Motor Vehicle Expense	25,000
5800	Utilities - Electrical	34,500
5851	Leased Lines	94,000
5999	Miscellaneous	750
6200	Capital Outlay	<u>66,950</u>
	TOTAL	<u>\$851,837</u>

EMPIRE PLANT (038)

5010	Salaries & Wages	\$ 936,544
5020	Employee Benefits	206,040
5041	Travel - Local	618
5070	Educational Allowance	2,550
5085	Medical Aids	309
5090	Cont. Serv. - Data Proc.	2,000
5095	Cont. Serv. - Laundry	6,200
5097	Cont. Serv. - Maint.	110,791
5098	Cont. Serv. - Oper.	5,356
5099	Cont. Serv. - Xerox	1,648
5100	Cont. Serv. - Sldg. Rem.	4,120
5102	Cont. Serv. - Other	1,648
5200	Materials & Supplies	22,085
5210	Maint. Materl. & Suppl.	57,165
5300	Office Supplies	1,545
5330	Office Equipment Repair	515
5500	Motor Vehicle Expense	17,304
5800	Utilities - Electrical	232,414
5801	Utilities - Fuel	48,410
5802	Utilities - Gas	7,725
5850	Telephone Service	4,700
5903	Chemicals - Other	1,030
5904	Polymers	31,815
5940	Chlorine	6,386
5999	Miscellaneous	515
6200	Capital Outlay	<u>6,500</u>
	TOTAL	<u>\$1,715,933</u>

OPERATIONS, METRO PLANT (039)

5010	Salaires & Wages	\$ 11,085,468
5020	Employee Benefits	2,438,803
5041	Travel - Local	1,000
5070	Educational Allowance	88,565
5080	Safety	32,000
5090	Cont. Serv. - Data Proc.	1,000
5095	Cont. Serv. - Laundry	72,095
5098	Cont. Serv. - Operations	179,450
5099	Cont. Serv. - Xerox	30,000
5101	Cont. Serv. - Janitorial	15,100
5102	Cont. Serv. - Other	277,433
5200	Materials & Supplies	600,000
5300	Office Supplies	23,000
5330	Office Equipment Repair	800
5370	Flood Control	10,000
5500	Motor Vehicle Expense	641,828
5800	Utilities - Electrical	7,827,120
5801	Utilities - Fuel	171,321
5802	Utilities - Gas	1,598,187
5803	Utilities - Water	81,600
5850	Telephone Service	95,000
5900	Chemicals - Ferr. Chlor.	6,696
5902	Chemicals - Lime	17,850
5903	Chemicals - Other	595,532
5904	Chlorine	1,162,592
5905	Chemicals - Acids	26,000
5940	Chlorine	288,634
5999	Miscellaneous	5,000
6200	Capital Outlay	<u>263,824</u>
	TOTAL	<u>\$27,635,898</u>

MAINTENANCE, METRO PLANT (040)

5010	Salaries & Wages	\$ 6,763,825
5020	Employee Benefits	1,488,042
5041	Travel - Local	1,000
5070	Educational Allowance	38,705
5097	Cont. Serv. - Maint.	798,800
5099	Cont. Serv. - Xerox	1,000
5102	Cont. Serv. - Other	2,000
5210	Maint. Materl. & Suppl.	2,174,510
5300	Office Supplies	10,000
5500	Motor Vehicle Expense	40,000
5999	Miscellaneous	1,000
6200	Capital Outlay	<u>198,805</u>
	TOTAL	<u>\$11,517,687</u>



SENECA TREATMENT PLANT (041)

5010	Salaries & Wages	\$1,531,773
5020	Employee Benefits	336,990
5041	Travel - Local	300
5070	Educational Allowance	5,000
5085	Medical Aids	600
5095	Cont. Serv. - Laundry	5,000
5097	Cont. Serv. - Maint.	91,850
5098	Cont. Serv. - Oper.	15,000
5099	Cont. Serv. - Xerox	1,500
5101	Cont. Serv. - Janitorial	15,000
5200	Materials & Supplies	43,000
5210	Maint. Materl. & Suppl.	145,000
5300	Office Supplies	2,000
5330	Office Equipment Repair	300
5350	Dues & Subscriptions	250
5500	Motor Vehicle Expense	6,400
5800	Utilities - Electrical	313,500
5801	Utilities - Fuel	48,000
5802	Utilities - Gas	523,600
5803	Utilities - Water	7,200
5850	Telephone Service	23,800
5851	Leased Lines	900
5900	Chemicals - Ferr. Chlor.	55,000
5901	Chemicals - Potassium	80,000
5902	Chemicals - Lime	80,000
5903	Chemicals - Other	5,000
5904	Polymers	150,000
5940	Chlorine	38,500
5999	Miscellaneous	1,500
6200	Capital Outlay	10,000
TOTAL		<u>\$3,536,963</u>

BLUE LAKE PLANT (042)

5010	Salaries & Wages	\$ 1,091,789
5020	Employee Benefits	240,194
5041	Travel - Local	460
5070	Educational Allowance	1,660
5085	Medical Aids	103
5095	Cont. Serv. - Laundry	4,542
5097	Cont. Serv. - Maint.	8,000
5099	Cont. Serv. - Xerox	2,781
5102	Cont. Serv. - Other	4,400
5200	Materials & Supplies	29,129
5210	Maint. Materl. & Suppl.	41,200
5300	Office Supplies	685
5320	Postage	396
5330	Office Equipment Repair	257
5350	Dues & Subscriptions	257
5500	Motor Vehicle Expense	217,770
5800	Utilities - Electrical	259,000
5801	Utilities - Fuel	300

BLUE LAKE PLANT (042) (Cont.)

5802	Utilities - Gas	\$ 23,740
5803	Utilities - Water	14,000
5850	Telephone Service	7,380
5903	Chemicals - Other	300
5940	Chlorine	17,360
5999	Miscellaneous	300
6200	Capital Outlay	19,765
TOTAL		<u>\$1,985,768</u>

CHASKA PLANT (043)

5010	Salaries & Wages	\$ 95,805
5020	Employee Benefits	21,077
5041	Travel - Local	124
5070	Educational Allowance	90
5095	Cont. Serv. - Laundry	941
5097	Cont. Serv. - Maint.	3,500
5102	Cont. Serv. - Other	1,236
5200	Materials & Supplies	3,090
5210	Maint. Materl. & Suppl.	10,300
5500	Motor Vehicle Expense	18,120
5800	Utilities - Electrical	36,890
5801	Utilities - Fuel	433
5803	Utilities - Water	2,860
5850	Telephone Service	810
5851	Leased Lines	795
5903	Chemicals - Other	49,000
5940	Chlroine	1,560
5999	Miscellaneous	300
TOTAL		<u>\$246,931</u>

ANOKA PLANT (044)

5010	Salaries & Wages	\$140,921
5020	Employee Benefits	31,003
5070	Educational Allowance	300
5095	Cont. Serv. - Laundry	778
5097	Cont. Serv. - Maint.	4,120
5100	Cont. Serv. - Sldg. Rem.	515
5102	Cont. Serv. - Other	618
5200	Materials & Supplies	4,120
5210	Maint. Materl. & Suppl.	10,403
5500	Motor Vehicle Expense	11,907
5800	Utilities - Electricial	61,800
5801	Utilities - Fuel	3,605
5803	Utilities - Water	1,648
5850	Telephone Service	896
5851	Leased Lines	800
5903	Chemicals - Other	515
5940	Chlorine	11,160
5999	Miscellaneous	206
TOTAL		<u>\$285,315</u>

BAYPORT PLANT (045)

5010	Salaries & Wages	\$ 87,542
5020	Employee Benefits	19,259
5070	Educational Allowance	700
5095	Cont. Serv. - Laundry	508
5097	Cont. Serv. - Maint.	4,990
5099	Cont. Serv. - Xerox	300
5100	Cont. Serv. - Sldg. Rem.	2,000
5102	Cont. Serv. - Other	3,043
5200	Materials & Supplies	2,219
5210	Maint. Materl. & Suppl.	11,910
5500	Motor Vehicle Expense	15,790
5800	Utilities - Electrical	38,653
5801	Utilities - Fuel	1,545
5802	Utilities - Gas	7,471
5803	Utilities - Water	5,976
5850	Telephone Service	623
5851	Leased Lines	1,235
5903	Chemicals - Other	21,971
5940	Chlorine	1,240
5999	Miscellaneous	412
6200	Capital Outlay	<u>17,220</u>
TOTAL		<u>\$244,607</u>

COTTAGE GROVE PLANT (046)

5010	Salaries & Wages	\$174,897
5020	Employee Benefits	38,477
5070	Educational Allowance	790
5095	Cont. Serv. - Laundry	820
5097	Cont. Serv. - Maint.	10,881
5099	Cont. Serv. - Xerox	300
5100	Cont. Serv. - Sldg. Rem.	25,750
5102	Cont. Serv. - Other	1,788
5200	Materials & Supplies	3,633
5210	Maint. Materl. & Suppl.	22,426
5500	Motor Vehicle Expense	10,070
5800	Utilities - Electrical	40,148
5801	Utilities - Fuel	2,000
5802	Utilities - Gas	14,738
5850	Telephone Service	904
5851	Leased Lines	556
5903	Chemicals - Other	755
5940	Chlorine	3,968
5999	Miscellaneous	515
6200	Capital Outlay	<u>30,720</u>
TOTAL		<u>\$384,136</u>

HASTINGS PLANT (047)

5010	Salaries & Wages	\$174,820
5020	Employee Benefits	38,460
5070	Educational Allowance	1,830
5095	Cont. Serv. - Laundry	1,232
5097	Cont. Serv. - Maint.	6,834
5099	Cont. Serv. - Xerox	300
5100	Cont. Serv. - Sldg. Rem.	25,750
5102	Cont. Serv. - Other	1,923
5200	Materials & Supplies	3,927
5210	Maint. Materl. & Suppl.	18,800
5500	Motor Vehicle Expense	19,370
5800	Utilities - Electrical	54,727
5801	Utilities - Fuel	2,000
5802	Utilities - Gas	18,058
5803	Utilities - Water	1,106
5850	Telephone Service	1,156
5851	Leased Lines	1,256
5903	Chemicals - Other	4,390
5940	Chlorine	3,324
5999	Miscellaneous	515
6200	Capital Outlay	<u>17,220</u>
TOTAL		<u>\$396,998</u>

STILLWATER PLANT (048)

5010	Salaries & Wages	193,395
5020	Employee Benefits	42,547
5070	Educational Allowance	1,435
5095	Cont. Serv. - Laundry	1,120
5097	Cont. Serv. - Maint.	15,282
5099	Cont. Serv. - Xerox	300
5100	Cont. Serv. - Sldg. Rem.	5,000
5102	Cont. Serv. - Other	3,660
5200	Materials & Supplies	2,858
5210	Maint. Materl. & Suppl.	13,709
5500	Motor Vehicle Expense	31,990
5800	Utilities - Electrical	32,405
5801	Utilities - Fuel	2,000
5802	Utilities - Gas	18,247
5850	Telephone Service	958
5851	Leased Lines	1,128
5903	Chemicals - Other	65,750
5940	Chlorine	2,400
5999	Miscellaneous	515
6200	Capital Outlay	<u>31,220</u>
TOTAL		<u>\$465,919</u>

SAVAGE PLANT (049)

5010	Salaries & Wages	\$ 71,204
5020	Employee Benefits	15,665
5041	Travel - Local	92
5070	Educational Allowance	45
5095	Cont. Serv. - Laundry	526
5097	Cont. Serv. - Maint.	1,500
5102	Cont. Serv. - Other	496
5200	Materials & Supplies	927
5210	Maint. Materl. & Suppl.	1,500
5500	Motor Vehicle Expense	1,253
5800	Utilities - Electrical	14,111
5801	Utilities - Fuel	125
5802	Utilities - Gas	8,162
5803	Utilities - Water	2,116
5850	Telephone Service	803
5851	Leased Lines	663
5903	Chemicals - Other	300
5940	Chlorine	992
5999	Miscellaneous	200

TOTAL		<u>\$120,680</u>
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MAPLE PLAIN PLANT (050)

5010	Salaries & Wages	\$ 75,191
5020	Employee Benefits	16,542
5070	Educational Allowance	150
5095	Cont. Serv. - Laundry	391
5097	Cont. Serv. - Maint.	3,090
5102	Cont. Serv. - Other	412
5200	Materials & Supplies	1,030
5210	Maint. Materl. & Suppl.	7,004
5500	Motor Vehicle Expense	2,780
5800	Utilities - Electrical	9,270
5801	Utilities - Fuel	5,974
5803	Utilities - Water	412
5850	Telephone Service	887
5851	Leased Lines	900
5903	Chemicals - Other	257
5940	Chlorine	824
5999	Miscellaneous	515

TOTAL		<u>\$125,629</u>
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ROSEMOUNT PLANT (051)

5010	Salaries & Wages	\$350,853
5020	Employee Benefits	77,188
5041	Travel - Local	103
5070	Educational Allowance	835
5085	Medical Aids	206
5095	Cont. Serv. - Laundry	2,500
5097	Cont. Serv. - Maint.	12,000
5098	Cont. Serv. - Oper.	1,236
5100	Cont. Serv. - Sldg. Rem.	48,760
5102	Cont. Serv. - Other	721
5200	Materials & Supplies	20,703
5210	Maint. Materl. & Suppl.	18,000
5500	Motor Vehicle Expense	1,750
5800	Utilities - Electric	42,490
5801	Utilities - Fuel	5,150
5802	Utilities - Gas	19,879
5850	Telephone Service	2,884
5900	Chemicals - Ferr. Chlor.	7,100
5902	Chemicals - Lime	28,300
5903	Chemicals - Other	36,500
5940	Chlorine	2,900
5999	Miscellaneous	103
6200	Capital Outlay	2,000

TOTAL		<u>\$682,161</u>
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SOUTH ST PAUL LIFT STATION (052)

5010	Salaries & Wages	\$ 88,647
5020	Employee Benefits	19,502
5041	Travel - Local	197
5070	Educational Allowance	200
5085	Medical Aids	103
5095	Cont. Serv. - Laundry	1,367
5097	Cont. Serv. - Maint.	21,004
5100	Cont. Serv. - Sldg. Rem.	3,914
5102	Cont. Serv. - Other	4,635
5200	Materials & Supplies	1,030
5210	Maint. Materials & Suppl.	12,669
5500	Motor Vehicle Expense	4,805
5800	Utilities - Electric	137,505
5802	Utilities - Gas	17,510
5803	Utilities - Water	3,141
5850	Telephone Service	1,699
5851	Leased Lines	2,472
6200	Capital Outlay	800

TOTAL		<u>\$321,200</u>
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# SUMMARY OF DEBT SERVICE

	<u>Proposed 1986</u>	<u>Budget 1985</u>	<u>Actual 1984</u>
Treatment Works	\$20,040,627	\$18,818,819	\$16,772,996
Interceptor System			
Service Areas:			
1. Minneapolis-St. Paul	2,281,221	1,950,136	1,592,004
2. North Suburban	1,503,422	1,289,108	848,656
3. Anoka	617,616	589,038	450,635
4. Southwest	1,178,731	1,103,883	1,047,729
5. Bloomington-Eagan-Burnsville	527,798	551,406	583,506
6. Southeast	<u>514,505</u>	<u>495,662</u>	<u>475,903</u>
TOTALS	<u>\$26,663,920</u>	<u>\$24,798,052</u>	<u>\$21,771,429</u>

# METROPOLITAN COUNCIL SEWER BOND FUND DEBT SERVICE

Required Fund Balance 10-1-85	\$36,219,800
Less: Debt Service Payments 10/2/85 - 10/1/86	<u>21,191,200</u>
Balance (Debt Service Payments 11/1/86 - 1/1/87)	15,028,600
Required Balance 10/1/86	<u>40,349,900</u>

Balance Due Metropolitan Council by 10/1/86	<u>25,321,300</u>
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Less: Interest to be Earned October 1, 1986 thru September 30, 1987	<u>2,236,300</u>
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Balance Due Metropolitan Council by October 1, 1986	23,085,000
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1985 Payment Due SAC Fund:

Advance #1 to the Metropolitan Council

Principal	\$866,667	
Accrued Interest (11.42%)	<u>296,920</u>	1,163,587

Advance #2 (Refunding of \$68.8 million bonds)

Principal	\$1,000,000	
Accrued Interest (\$2,000,000 X 11.39% X 521 days) =	<u>113,900</u>	<u>1,113,900</u>

Program Budget Requirement:	<u>\$25,362,487</u>
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Apportioned to:

<u>Cost Pool</u>	<u>Capital Improvements</u>	<u>% Of Debt Service</u>	<u>Amount</u>
Treatment Works	\$540,630,000	77.14	\$19,564,622
SA #1	54,605,000	7.79	1,975,738
SA #2	36,742,000	5.24	1,328,994
SA #3	16,969,000	2.42	613,772
SA #4	30,510,000	4.35	1,103,268
SA #5	7,786,000	1.11	281,524
SA #6	<u>13,643,000</u>	<u>1.95</u>	<u>494,569</u>
 TOTALS	 <u>\$700,885,000</u>	 <u>100.00</u>	 <u>\$25,362,487</u>

# Local Government Debt Service 1986

## Service Area 1 - Minneapolis-St. Paul

	<u>Treatment Works</u>	<u>Interceptors</u>	<u>Total</u>
Birchwood	\$	\$ 632.00	\$
Forest Lake Township	2,717.00		
Little Canada		77,357.07	
Mendota Heights		10,000.00	
Oakdale		54,272.00	
Plymouth		10,469.00	
St. Paul		79,264.58	
Shoreview*		39,536.06	
Vadnais Heights		2,431.48	
White Bear Lake		7,451.00	
Woodbury		24,070.00	
	<u>\$2,717.00</u>	<u>\$305,483.19</u>	<u>\$308,200.19</u>

## Service Area 2 - North Suburban

Shoreview*	\$	\$ 23,802.74	\$
Circle Pines		2,585.31	
Coon Rapids		33,131.00	
New Brighton		112,175.00	
Spring Lake Park		2,734.00	
	\$	<u>\$174,428.05</u>	<u>\$174,428.05</u>

## Service Area 3 - Anoka

Anoka	\$47,328.00	\$	\$
Champlin		3,844.50	
	<u>\$47,328.00</u>	<u>\$3,844.50</u>	<u>\$51,172.50</u>

\*Located in 2 Service Areas

Service Area 4 - Southwest

	<u>Treatment Works</u>	<u>Interceptors</u>	<u>Total</u>
Deephaven	\$	\$ 18,474.12	\$
Greenwood		3,317.12	
Long Lake	10,016.00		
Medina	4,305.00		
Minnetrista		29,138.01	
Mound	21,918.98	20,795.26	
Savage	11,216.00		
Tonka Bay	<u>6,645.76</u>	<u>3,738.24</u>	<u>                    </u>
	<u>\$54,101.74</u>	<u>\$75,462.75</u>	<u>\$129,564.49</u>

Service Area 5 - Bloomington-Eagan-Burnsville

Bloomington	\$	\$ 8,427.52	\$
Burnsville	13,805.00	198,056.00	
Eagan	<u>3,983.23</u>	<u>39,791.00</u>	<u>                    </u>
	<u>\$17,788.23</u>	<u>\$246,274.52</u>	<u>\$264,062.75</u>

Service Area 6 - Southeast

Apple Valley	\$ 11,708.28	\$19,935.72	\$
Cottage Grove	35,836.01		
Hastings	45,300.00		
Inver Grove Heights	14,326.00		
Lakeville	9,351.00		
Newport	5,370.00		
Oak Park Heights	14,260.00		
South St. Paul	<u>217,918.50</u>	<u>\$                    </u>	<u>                    </u>
	<u>\$354,069.79</u>	<u>\$19,935.72</u>	<u>\$374,005.51</u>
GRAND TOTAL	<u>\$476,004.76</u>	<u>\$825,428.73</u>	<u>\$1,301,433.49</u>

1986  
SUMMARY OF ACQUISITION COSTS

Treatment Works	\$ 579,985
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Interceptor System

Service Areas:

1. Minneapolis - St. Paul	2,999,106
2. North Suburban	212,070
3. Anoka	489
4. Southwest	74,057
5. Bloomington-Eagan-Burnsville	296,774
6. Southeast	<u>3,930</u>

TOTAL	<u>\$4,166,411</u>
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1986  
LOCAL GOVERNMENT CURRENT VALUE CREDIT

Anoka	\$15,901	Forest Lake Twp.	\$ 53
Apple Valley	6,083	Fridley	26,965
Arden Hills	11,924	Golden Valley	131,187
Bayport	7,673	Greenwood	1,401
Birchwood	257	Hastings	14,284
Blaine	7,352	Hilltop	42
Bloomington	200,659	Hopkins	27,454
Brooklyn Center	14,581	Inver Grove Heights	1,435
Brooklyn Park	60,157	Lakeville	8,255
Burnsville	103,123	Landfall	354
Champlin	1,025	Lauderdale	1,222
Chanhassen	1,858	Lexington	586
Chaska	7,075	Little Canada	2,345
Circle Pines	1,006	Long Lake	1,028
Columbia Heights	22,272	Mahtomedi	2,870
Coon Rapids	25,209	Maple Plain	6,818
Cottage Grove	5,537	Maplewood	23,902
Crystal	42,343	Medicine Lake	1,408
Deephaven	11,620	Medina	38
Eagan	27,418	Mendota Heights	28,926
Eden Prairie	3,494	Minneapolis	1,426,356
Edina	61,020	Minnetonka	16,639
Excelsior	3,521	Minnetrista	543
Falcon Heights	2,204	Mound	10,344
Farmington	10,999	Mounds View	3,561
Forest Lake	8,807		

Local Government Current Value Credit (continued)

New Brighton	\$ 77,192	Tonka Bay	\$ 1,684
New Hope	46,523	Vadnais Heights	195
Newport	595	Victoria	2,535
North St. Paul	30,968	Waconia	15,245
Oakdale	1,150	Wayzata	22,674
Oak Park Heights	39	West St. Paul	7,376
Orono	33,988	White Bear Lake	41,047
Osseo	14,928	White Bear Township	2,173
Plymouth	217	Willernie	1,053
Prior Lake	2,459	Woodbury	<u>2,647</u>
Richfield	133,042		
Robbinsdale	5,150	TOTAL	<u>\$4,166,411</u>
Rosemount	4,372		
Roseville	93,959		
St. Anthony	8,778		
St. Louis Park	78,231		
St. Paul	1,033,404		
St. Paul Park	7,394		
Savage	1,872		
Shakopee	9,064		
Shoreview	23,680		
Shorewood	391		
South St. Paul	44,632		
Spring Lake Park	3,183		
Spring Park	2,926		
Stillwater	10,511		

# ALLOCATION OF CURRENT USE COSTS

<u>Local Government</u>	<u>Est. Flow (MG)</u>	<u>Lake Overflow Adjustments</u>	<u>Treatment Works</u>	<u>Service Area</u>	<u>Total</u>
Anoka	755		\$ 536,916.78	\$ 252,657.24	\$ 789,574.02
Apple Valley	815		579,602.63	64,793.89	644,396.52
Arden Hills	460		327,115.86	44,018.96	371,134.82
Bayport	190		135,100.70	-0-	135,100.70
Birchwood	31		22,054.35	2,966.38	25,020.73
Blaine	970		689,803.25	159,528.02	849,331.27
Bloomington	3,460		2,460,554.38	392,461.04	2,853,015.42
Brooklyn Center	1,195		849,804.02	114,351.28	964,155.30
Brooklyn Park	1,670		1,187,591.35	274,652.76	1,462,244.11
Burnsville	1,695		1,205,377.11	192,260.85	1,397,637.96
Champlin	225		160,000.77	64,233.78	224,234.55
Chanhassen	365		259,601.08	97,766.11	357,367.19
Chaska	405		287,987.17	-0-	287,987.17
Circle Pines	105		74,629.08	17,268.52	91,897.60
Columbia Heights	515		366,244.55	49,282.96	415,527.51
Coon Rapids	1,190		846,246.87	195,709.86	1,041,956.73
Cottage Grove	515		366,244.55	-0-	366,244.55
Crystal	910		647,188.55	87,077.81	734,266.36
Deephaven	140		99,529.16	37,498.50	137,027.66
Eagan	1,430		1,016,919.11	162,201.45	1,179,120.56
Eden Prairie	1,100		782,289.24	294,637.37	1,076,926.61
Edina	2,670		1,898,737.52	255,492.70	2,154,230.22
Lake Elmo	1		711.43	99.32	810.75
Empire Township	20		14,228.62	1,536.31	15,764.93
Excelsior	122		86,723.40	32,677.60	119,401.00
Falcon Heights	390	8	283,076.84	38,083.61	321,160.45
Farmington	390		277,315.71	29,954.45	307,270.16
Forest Lake	330		234,701.00	31,577.38	266,278.38
Forest Lake Twp.	135		95,972.01	12,918.32	108,890.33
Fridley	1,380		981,347.57	185,694.60	1,167,042.17
Gem Lake	11		7,825.74	1,052.80	8,878.54
Golden Valley	1,310		931,618.56	125,356.03	1,056,974.59
Greenwood	23		16,362.90	6,159.93	22,522.83
Andover	110		78,186.24	18,090.28	96,276.52
Hastings	630		448,059.09	-0-	448,059.09
Hilltop	31		22,054.35	2,966.38	25,020.73

<u>Local Government</u>	<u>Est. Flow (MG)</u>	<u>Lake Overflow Adjustments</u>	<u>Treatment Works</u>	<u>Service Area</u>	<u>Total</u>
Hopkins	780		\$ 554,702.55	\$ 76,017.60	\$ 630,720.15
Hugo	49		34,788.97	4,687.94	39,476.91
Inver Grove Hgts.	440		312,887.24	33,794.78	346,682.02
Lakeville	850		604,502.70	65,688.22	670,190.92
Landfall	23		16,362.91	2,204.92	18,567.83
Independence	8		5,691.44	2,142.82	7,834.26
Lauderdale	78		55,491.60	7,462.30	62,953.90
Lexington	47		33,366.10	7,729.94	41,096.04
Laketown Township	21		14,940.05	5,624.68	20,564.73
Lilydale	21		14,940.05	2,012.90	16,952.95
Little Canada	295	112	289,454.15	38,943.64	328,397.79
Long Lake	110		78,257.38	29,464.29	107,721.67
Mahtomedi	145		103,086.32	13,871.80	116,958.12
Maple Grove	855		607,988.71	140,615.98	748,604.69
Maple Plain	130		92,486.00	13,392.19	105,878.19
Maplewood	1,650	415	1,468,481.23	197,606.11	1,666,087.34
Medicine Lake	14		9,960.03	1,337.52	11,297.55
Medina	120		85,371.69	20,195.87	105,567.56
Mendota Heights	520		369,730.56	49,759.70	419,490.26
Minneapolis	23,900		16,996,293.94	2,287,032.39	19,283,326.33
Minnetonka	1,940		1,379,606.50	519,630.20	1,899,236.70
Minnetonka Beach	25		17,714.62	6,697.02	24,411.64
Mound	430		305,844.08	115,175.40	421,019.48
Minnetrista	69		49,017.58	18,481.63	67,499.21
Moundsview	470		334,230.16	77,298.10	411,528.26
New Brighton	900		640,074.24	148,015.67	788,089.91
New Hope	1,040		739,603.41	99,519.39	839,122.80
Newport	115		81,743.39	8,832.87	90,576.26
North Oaks	16		11,382.89	1,529.54	12,912.43
North St. Paul	580	69	461,559.34	62,103.08	523,662.42
Oakdale	675	87	541,869.29	72,916.73	614,786.02
Oak Park Heights	140		99,529.16	10,752.83	110,281.99
Orono	225		160,000.78	60,267.61	220,268.39
Osseo	110		78,257.38	18,091.57	96,348.95
Plymouth	2,170		1,543,164.43	207,653.20	1,750,817.63
Prior Lake	395		280,872.86	105,800.32	386,673.18
Richfield	1,000		711,146.17	95,692.23	806,838.40
Robbinsdale	495		352,015.93	47,369.38	399,385.31
Rosemount	150		106,714.62	11,520.98	118,235.60

<u>Local Government</u>	<u>Est. Flow (MG)</u>	<u>Lake Overflow Adjustments</u>	<u>Treatment Works</u>	<u>Service Area</u>	<u>Total</u>
Roseville	1,880	50	\$ 1,372,477.05	\$ 184,680.84	\$1,557,157.89
St. Anthony	420		298,658.63	40,191.79	338,850.42
St. Louis Park	2,460		1,749,408.20	235,403.42	1,984,811.62
St. Paul	18,900	(895)	12,804,086.77	1,722,928.57	14,527,015.34
St. Paul Park	142		100,952.03	10,906.28	111,858.31
Savage	250		177,786.54	-0-	177,786.54
Shakopee	860		611,617.01	230,352.65	841,969.66
Shoreview	760		540,402.80	84,418.35	624,821.15
Shorewood	255		181,343.69	68,301.83	249,645.52
South St. Paul	2,590		1,841,894.20	198,928.37	2,040,822.57
Spring Park	112		79,609.10	29,999.53	109,608.63
Spring Lake Park	225		160,000.78	37,004.89	197,005.67
St. Bonifacius	32		22,765.78	8,571.30	31,337.08
Stillwater	900		640,074.24	-0-	640,074.24
Stillwater Twp.	1		711.43	-0-	711.43
Tonka Bay	70		49,729.01	18,748.33	68,477.34
Vadnais Heights	260	50	220,458.71	29,660.48	250,119.19
Victoria	63		44,820.14	16,875.88	61,696.02
Wayzata	255		181,343.70	68,301.83	249,645.53
West St. Paul	935		664,903.17	89,474.76	754,377.93
White Bear Lake	815	104	653,564.19	87,938.32	741,502.51
White Bear Twp.	245		174,229.39	23,446.32	197,675.71
Willernie	16		11,382.89	1,529.54	12,912.43
Woodbury	625		444,430.79	59,804.33	504,235.12
Lino Lakes	38		27,034.37	6,248.97	33,283.34
Waconia	170		120,872.08	45,534.54	166,406.62
Centerville	39		27,745.80	6,414.09	34,159.89
Ramsey	6		4,268.58	2,007.98	6,276.56
Mendota	17		12,094.33	1,628.86	13,723.19
Greenfield	5		3,557.15	1,339.04	4,896.19
<b>TOTALS</b>			<u>\$71,143,074.54</u>	<u>\$11,242,600.92</u>	<u>\$82,385,675.46</u>

# Construction Fund - Revenues & Expenditures

		Total Program
FUND BALANCE - December 31, 1984		\$ 29,395,144
REVENUES:		
Certified Federal Grants (Schedule 8)	\$16,437,200	
Less:		
Contingency Reserve for Final Audits	<u>750,000</u>	
Net Certified Federal Grants		\$ 15,687,200
Certified State Grants (Schedule 9)		3,287,319
Anticipated Grants (Schedule 10)		44,041,195
Investment Income (Schedule 11)		3,000,000
Miscellaneous		50,000
Due from Local Governments		<u>78,891</u>
Total Estimated Revenues:		\$ 66,144,605
EXPENDITURES:		
Previously Authorized Projects		
Encumbered Balance (Schedule 12)		\$ 13,732,622
Unencumbered Balance (Schedule 12)		119,315,658
Approp. Adjustments (Schedule 12)		<u>44,432,670</u>
Total Previously Authorized Projects		\$177,480,950
Local Funds Applied (Expenditures-Revenues)		\$111,336,345
ESTIMATED FUND BALANCE		<u>\$(81,941,201)</u>

CERTIFIED FEDERAL GRANTS

<u>Project No.</u>	<u>Grant</u>	<u>Project</u>	<u>Total Grants Receivable</u>	<u>Earned As Of 12/31/84</u>	<u>Balance Due</u>	<u>Estimated Amount 1985</u>	<u>Estimated Amount 1986</u>
74-01 (403)	004-04	MMWTP - Digital Control System	\$ 6,641,439	\$ 6,584,272	\$ 57,167	\$ 30,000	\$ 27,167
74-01(408)	000-06	MMWTP - Sludge Processing	56,653,725	56,652,975	750	750	-0-
201	999-01	Facilities Planning Study	4,427,550	4,226,218	201,332	100,730	100,602
201	999-02	Facilities Planning Study	2,692,725	2,593,765	98,960	98,960	-0-
201	999-03	Facilities Planning Study	388,575	347,586	40,989	40,989	-0-
79-79	999-04	Metro Area I/I Analysis	3,055,479	2,538,559	516,920	516,920	-0-
76-07	100-02	MMWTP Retrofit Process Control Step III	11,250,000	2,979,759	8,270,241	2,100,000	3,317,859
79-06	008-02	Hastings Plant Improvements Step III	6,233,400	4,297,333	1,936,067	1,936,067	-0-
79-80	103-02	MMWTP Add'l. Secondary Treat. Facility - Step III	14,122,146	13,912,146	210,000	210,000	-0-
77-05	134-01	Lower Beltline Intcp.	2,268,977	347,778	1,921,199	1,921,199	-0-
82-58	097-03	MMWTP Secondary Treat. Rehab.	<u>3,465,825</u>	<u>282,250</u>	<u>3,183,575</u>	<u>1,621,192</u>	<u>980,000</u>
		<b>TOTALS</b>	<u>\$111,199,841</u>	<u>\$94,762,641</u>	<u>\$16,437,200</u>	<u>\$ 8,576,807</u>	<u>\$ 4,425,628</u>

CERTIFIED STATE GRANTS

<u>Project No.</u>	<u>Grant</u>	<u>Project</u>	<u>Total Grants Receivable</u>	<u>Earned As Of 12/31/84</u>	<u>Balance Due</u>	<u>Estimated Amount 1985</u>	<u>Estimated Amount 1986</u>
74-01 (403)	000-04	MMWTP - Digital Control System	\$ 1,328,288	\$ 1,316,854	\$ 11,434	\$ 6,000	\$ 5,434
74-01(408)	000-06	MMWTP - Sludge Processing	11,330,745	11,330,595	150	150	-0-
201	999-01	Facilities Planning Study	885,510	845,244	40,266	20,145	20,121
201	999-02	Facilities Planning Study	538,545	518,753	19,792	19,792	-0-
201	999-03	Facilities Planning Study	77,715	69,517	8,198	8,198	-0-
79-79	999-04	Metro Area I/I Analysis	611,096	507,712	103,384	103,384	-0-
76-07	100-02	MMWTP Retrofit Process Control Step III	2,250,000	595,952	1,654,048	420,000	663,572
79-06	008-02	Hastings Plant Improvements Step III	1,246,680	958,467	387,213	378,213	-0-
79-80	103-02	MMWTP Add'l. Secondary Treat. Facility - Step III	2,824,429	2,782,429	42,000	42,000	-0-
77-05	134-01	Lower Beltline Intcp.	453,795	69,556	384,239	384,239	-0-
82-58	097-03	MMWTP Secondary Treat. Rehab.	693,165	56,570	636,595	324,238	196,000
<b>TOTALS</b>			<u>\$22,239,968</u>	<u>\$18,952,649</u>	<u>\$3,287,319</u>	<u>\$1,706,359</u>	<u>\$ 885,127</u>



ANTICIPATED GRANTS  
(Federal & State Combined)

<u>Project</u>	<u>Name</u>	<u>Grant Income</u>
82-55	Minneapolis East Interceptor - Phase I	\$29,811,595
82-56	MMWTP Screen & Grit Bldg. Rehab.	4,375,000
82-57	MMWTP Primary Settling Tank Rehab.	5,915,981
82-59	Blue Lake Sludge Thickening Facility	2,640,000
83-52	Maple Plain Plant Phase-out	<u>1,298,619</u>
	 TOTAL	 <u>\$44,041,195</u>

SUMMARY OF INVESTMENT INCOME

Investment earnings for period January through December, 1985 \$20 million X .09	\$1,800,000
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Investment earnings for period January through December, 1986 based on average investment balance of \$15 million and yield of 8%.	<u>1,200,000</u>
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TOTAL	<u>\$3,000,000</u>
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FINANCIAL STATUS - CURRENT PROJECTS

Program No.	Project	Step Approval	Previously Appropriated	Additional Appropriations	Total Appropriations	Expenditures as of 12/31/84	Encumbered Balance	Unencumbered Balance
72-02	MMWTP - Compressor Bldg.	III	\$ 15,640,000	\$ (50,000)	\$ 15,590,000	\$ 15,568,763	\$ -0-	\$ 21,237
72-07	Maintenance & Dispatch Bldg.	III	3,350,000	-0-	3,350,000	329,399	30,171	2,990,430
74-01	MMWTP - Sludge Disposal	III						
(400)	Sludge Thickening Facilities	III	31,459,196	(50,000)	31,409,196	31,350,194	-0-	59,002
(403)	Digital Acquisition & Control System	III	10,185,664	-0-	10,185,664	10,084,308	20,213	81,143
(406)	Sludge Dewatering Bldg.	III	10,189,333	-0-	10,189,333	9,393,980	-0-	795,353
(407)	Sludge Processing Equip.	III	11,800,066	-0-	11,800,066	11,678,327	-0-	121,739
(408)	Sludge Processing Bldg.	III	103,480,000	(225,000)	103,255,000	100,800,563	65,399	2,389,038
75-01	Residual Solids Management	I	1,774,798	-0-	1,774,798	1,573,773	-0-	201,025
75-10	Engineering Services - NPDES Permits	I	170,000	25,000	195,000	126,568	-0-	68,432
75-50	Metro Planning	I	2,490,000	600,000	3,090,000	1,745,005	-0-	1,344,995
76-07	MMWTP Retrofit Process Control	III	17,750,000	-0-	17,750,000	4,256,799	7,333,697	6,159,504
76-13	Environmental Inventory & Assn.	I	749,202	-0-	749,202	650,503	-0-	98,699
76-55	Combined Sewer Study	I	2,933,600	125,000	3,058,600	2,762,695	9,499	286,406
77-05	Beltline Reg./Intcp. Improv.	III	4,350,000	(200,000)	4,150,000	496,828	3,061,585	591,587
78-01	Future System Configuration	I	524,363	-0-	524,363	502,989	-0-	21,374
79-06	Hastings Plant Improvement	III	10,013,625	(200,000)	9,813,625	6,139,047	2,714,474	960,104
79-50	Stipulation Agreement - Metro	I	405,000	(75,000)	330,000	305,307	-0-	24,693
79-79	I/I Analysis & Rehab. - Community Grants	III	4,113,000	-0-	4,113,000	3,324,090	-0-	788,910
79-80	MMWTP Add'l. Second. Trt. Facil.	III	21,036,775	-0-	21,036,775	20,083,840	497,584	455,351
79-96	Overhead (Not Reimbursable)	I	100,000	50,000	150,000	43,710	-0-	106,290
79-97	Overhead (Other than const.)	I	500,000	(200,000)	300,000	108,202	-0-	191,798
79-98	Overhead (Metro Field Office)	I	600,000	600,000	1,200,000	208,791	-0-	991,209
81-51	Lake Gervais Interceptor	III	8,600,000	-0-	8,600,000	1,751,035	-0-	6,848,965
81-63	Planning Prog. Budg. Systems	I	325,000	75,000	400,000	267,857	-0-	132,143
81-65	Misc. Capital Improvements	III	3,699,047	-0-	3,699,047	3,467,891	-0-	231,156
82-52	CAB Interceptor	III	20,320,000	(3,000,000)	17,320,000	15,135,210	-0-	2,184,790
82-53	Lake Ann Interceptor	I	500,000	-0-	500,000	157,743	-0-	342,257
(300)	Excelsior L.S. Improv.	III	-0-	1,500,000	1,500,000	-0-	-0-	1,500,000
82-54	Interceptor Rehab.	II	100,000	-0-	100,000	4,772	-0-	95,228
82-55	Minneapolis East Interceptor	III	41,182,000	18,687,670	59,869,670	2,246,478	-0-	57,623,192
82-56	MMWTP Screen & Grit Rehab.	III	8,750,000	-0-	8,750,000	645,413	-0-	8,104,587

Program No.	Project	Step Approval	Previously Appropriated	Additional Appropriations	Total Appropriations	Expenditures as of 12/31/84	Encumbered Balance	Unencumbered Balance
82-57	MWWTP Primary Treatment Facil. Rehab.	III	\$ 13,535,000	\$ -0-	\$ 13,535,000	\$ 1,119,953	\$ -0-	\$ 12,415,047
82-58	MWWTP Secondary Trt. Facil. Rehab.	III	5,450,000	-0-	5,450,000	404,072	-0-	5,045,928
82-59	Blue Lake Plant Sludge Thickening Facilities	III	4,500,000	300,000	4,800,000	192,975	-0-	4,607,025
83-51	Chaska Plant Improvements	III	250,000	3,000,000	3,250,000	24,644	-0-	3,225,356
83-52	Maple Plain Interceptor	III	2,625,000	-0-	2,625,000	106,340	-0-	2,518,660
83-53	Minnesota River Study	I	100,000	50,000	150,000	54,148	-0-	95,852
83-54	MWWTP Peak Power Demand Supply	II	135,000	-0-	135,000	34,716	-0-	100,284
83-55	MWWTP Fire Detection & Alarm System Study	I	25,000	-0-	25,000	1,421	-0-	23,579
83-56	Lift Station Electrical System Rehab.	I	25,000	50,000	75,000	966	-0-	74,034
83-57	Metering & Lift Station Alarm System Study	III	250,000	2,000,000	2,250,000	24,594	-0-	2,225,406
83-58	MWWTP Disinfection	III	5,500,000	-0-	5,500,000	682,207	-0-	4,817,793
83-59	Medina Interceptor	III	1,625,000	-0-	1,625,000	1,169,309	-0-	455,691
83-60	Mendota Lift Station Intcp.	III	400,000	-0-	400,000	364,270	-0-	35,730
83-61	Lino Lakes Second Intcp. Conn.	III	290,000	100,000	390,000	6,495	-0-	383,505
83-62	Ramsey Second Intcp. Connection	III	485,000	-0-	485,000	164,999	-0-	320,001
83-65	Misc. Capital Improvements	III	3,050,213	-0-	3,050,213	1,292,004	-0-	1,758,209
84-51	New Brighton Interceptor	III	500,000	250,000	750,000	5,409	-0-	744,591
85-51	Rosemount Plant Replacement	III	300,000	5,000,000	5,300,000	-0-	-0-	5,300,000
85-52	Seneca Sludge Handling Improv.	II	300,000	-0-	300,000	-0-	-0-	300,000
85-53	Metro Plant Water Supply	III	100,000	350,000	450,000	-0-	-0-	450,000
85-54	Blue Lake Plant Study	I	100,000	-0-	100,000	-0-	-0-	100,000
85-55	Empire Plant Study	I	100,000	-0-	100,000	-0-	-0-	100,000
85-56	Metro Plant Study for Plant Performance Evaluation	I	500,000	300,000	800,000	-0-	-0-	800,000
85-57	Seneca Plant Study for Advanced Secondary Trt. & Plant Expan.	I	100,000	-0-	100,000	-0-	-0-	100,000
85-58	Service Area 1 Study for Regulator System Improv.	I	100,000	-0-	100,000	-0-	-0-	100,000
85-59	Metering Station Improvement Study	I	50,000	-0-	50,000	-0-	-0-	50,000
85-60	Savage Interceptor	III	350,000	3,820,000	4,170,000	-0-	-0-	4,170,000
85-61	Metro Laboratory Modifications	I,II,III	721,000	-0-	721,000	-0-	-0-	721,000
85-62	Metro Plant Ash Basin	I,II	500,000	-0-	500,000	-0-	-0-	500,000
85-63	Lakeville Lift Station	I,II,III	400,000	350,000	750,000	-0-	-0-	750,000
85-65	Miscellaneous Capital Improvements	I,II,III	1,000,000	200,000	1,200,000	-0-	-0-	1,200,000
85-66	Middle Beltline Interceptor	III	850,000	11,000,000	11,850,000	-0-	-0-	11,850,000
85-67	Orono Intcp. Repair		1,600,000	-0-	1,600,000	-0-	-0-	1,600,000
85-68	Eagan Interceptor Improvements		1,000,000	-0-	1,000,000	-0-	-0-	1,000,000
	TOTALS		\$383,906,882	\$ 44,432,670	\$428,339,552	\$250,858,602	\$13,732,622	\$163,748,328

Project Number 72-02

Title Metro Plant Compressor Bldg.

History of Authorization: Included in the Waste Management Policy Plan as a previously approved system improvement project.

Project Description: The project consists of an addition to the Compressor Building at the Metropolitan WWTP to provide the space for the two new compressors, as well as room for one additional compressor. The project also includes the necessary intake and discharge silencers for the compressors, flow metering tubes, check valves and butterfly valves; intake and discharge piping, air filtering system, and electrical and control work for the complete installation and operation of the two compressors.

Project Status and Objectives:

1. Current Status (Step III) - The project is essentially complete and is in service.
2. Objectives for 1986 - The project will be completed in 1985.
3. Annual Objectives for future years
  - 1987 - NA
  - 1988 - NA
  - 1989 - NA

Support for Appropriation Amendments

Text for the Rationale

1985 Appropriation	\$ <u>15,640,000</u>
Actual Expenditures	<u>15,569,019</u>
Balance (4-30-85)	<u>70,981</u>
Additional Funding (Step)	<u>(50,000)</u>

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ <u>10,477,650</u>	\$ <u>2,095,530</u>	\$ <u>2,995,583</u>	\$ <u>15,568,763</u>
1985	<u>                    </u>	<u>                    </u>	<u>21,237</u>	<u>21,237</u>
First Quarter 1986	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
Second Quarter 1986	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
Third Quarter 1986	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
Fourth Quarter 1986	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
1987	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
1988	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
1989	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
Total	\$ <u>10,477,650</u>	\$ <u>2,095,530</u>	\$ <u>3,016,820</u>	\$ <u>15,590,000</u>

Project Number 72-07Title Seneca Maintenance & Dispatch Bldg.

History of Authorization: Included in the Waste Management Policy Plan as a previously approved system improvement project.

Project Description: There is a need to have a centralized service center to dispatch the maintenance crews to the smaller plants and other facilities to provide timely and reliable maintenance. Such a facility will have a very possible effect on meeting the plant standards and to convey the sewage in the system. The proposed project will consist of a building near the Seneca Plant to dispatch service vehicles and personnel to properly maintain all outlying facilities. The project also includes local streets, storm sewer assessments, equipment, and furnishings such as shelvings, desks, file cabinets, equipment and phone system.

Project Status and Objectives:

1. Current Status (Step II & III)  
The design/construction will be initiated in mid-1985.
2. Objectives for 1986  
To construct the building by the end of 1986.
3. Annual Objectives for future years
  - 1987 - NA
  - 1988 - NA
  - 1989 - NA

Support for Appropriation Amendments

Text for the Rationale

1985 Appropriation	\$ <u>\$3,350,000</u>
Actual Expenditures	<u>333,174</u>
Balance (4-30-85)	<u>3,016,826</u>
Additional Funding (Step)	<u>NONE</u>

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ _____	\$ _____	\$ 329,399	\$ 329,399
1985	_____	_____	500,000	500,000
First Quarter 1986	_____	_____	350,000	350,000
Second Quarter 1986	_____	_____	350,000	350,000
Third Quarter 1986	_____	_____	350,000	350,000
Fourth Quarter 1986	_____	_____	350,000	350,000
1987	_____	_____	1,120,601	1,120,601
1988	_____	_____	_____	_____
1989	_____	_____	_____	_____
Total	\$ _____	\$ _____	\$ 3,350,000	\$ 3,350,000

Project Number 74-01-400

Title MWWTP Sludge Thickening Facilities

History of Authorization: Included in the Waste Management Policy Plan as a previously approved system improvement project.

Project Description: This project consists of sixteen circular floatation sludge thickening tanks each 55 ft. in diameter; two thickener galleries; one main service area; return liquor treatment facilities; pipe equipment tunnels; inter-connecting piping systems and service for other projects.

Project Status and Objectives:

1. Current Status (Step III) - The project is essentially complete and is in service.
2. Objectives for 1986 - The project will be completed in 1985.
3. Annual Objectives for future years  
1987 - NA  
1988 - NA  
1989 - NA

Support for Appropriation Amendments

Text for the Rationale

1985 Appropriation	\$ <u>31,459,196</u>
Actual Expenditures	<u>31,329,979</u>
Balance (4-30-85)	<u>129,217</u>
Additional Funding	<u>(50,000)</u>

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ <u>23,092,239</u>	\$ <u>4,618,448</u>	\$ <u>3,639,507</u>	\$ <u>31,350,194</u>
1985	<u>                    </u>	<u>                    </u>	<u>59,002</u>	<u>59,002</u>
First Quarter 1986	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
Second Quarter 1986	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
Third Quarter 1986	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
Fourth Quarter 1986	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
1987	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
1988	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
1989	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
Total	\$ <u>23,092,239</u>	\$ <u>4,618,448</u>	\$ <u>3,698,509</u>	\$ <u>31,409,196</u>

Project Number 74-01-403

Title MWWTP Digital Acquisition and  
Control System

History of Authorization: Included in the Waste Management Policy Plan as a previously approved system improvement project.

Project Description: Six process computer subsystems are included in the project along with one central computer.

Project Status and Objectives:

1. Current Status (Step III) - Part of the project has been placed into operation; demonstration of completed project will be made to MPCA in the 4th Quarter of 1986.
2. Objectives for 1986 - Complete demonstration for MPCA.
3. Annual Objectives for future years  
1987 - NA  
1988 - NA  
1989 - NA

Support for Appropriation Amendments

Text for the Rationale

1985 Appropriation	\$ <u>10,185,664</u>
Actual Expenditures	<u>10,084,386</u>
Balance (4-30-85)	<u>101,278</u>
Additional Funding (Step)	<u>NONE</u>

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ <u>6,584,272</u>	\$ <u>1,316,854</u>	\$ <u>2,183,182</u>	\$ <u>10,084,308</u>
1985	<u>30,000</u>	<u>6,000</u>	<u>4,000</u>	<u>40,000</u>
First Quarter 1986	<u>7,500</u>	<u>1,500</u>	<u>1,000</u>	<u>10,000</u>
Second Quarter 1986	<u>7,500</u>	<u>1,500</u>	<u>1,000</u>	<u>10,000</u>
Third Quarter 1986	<u>12,167</u>	<u>2,434</u>	<u>5,399</u>	<u>20,000</u>
Fourth Quarter 1986			<u>21,356</u>	<u>21,356</u>
1987				
1988				
1989				
Total	\$ <u>6,641,439</u>	\$ <u>1,328,288</u>	\$ <u>2,215,937</u>	\$ <u>10,185,664</u>



Project Number 74-01-406

Title WWTP Sludge Dewatering Building

History of Authorization: Included in the Waste Management Policy Plan as a previously approved system improvement project.

Project Description: This project consists of a building to house plate type presses and associated equipment for dewatering sludge such as conveyors, pumps and compressors. The building is designed to become a part of the sludge processing complex.

Project Status and Objectives:

1. Current Status (Step III) - The project has been placed into operation.
2. Objectives for 1986 - The project will be completed in 1985.
3. Annual Objectives for future years  
1987 - NA  
1988 - NA  
1989 - NA

Support for Appropriation Amendments

Text for the Rationale

1985 Appropriation	\$ <u>10,189,333</u>
Actual Expenditures	<u>9,406,988</u>
Balance (4-30-85)	<u>782,345</u>
Additional Funding (Step)	<u>NONE</u>

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ <u>7,153,235</u>	\$ <u>1,430,647</u>	\$ <u>810,098</u>	\$ <u>9,393,980</u>
1985	<u>                    </u>	<u>                    </u>	<u>795,353</u>	<u>795,353</u>
First Quarter 1986	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
Second Quarter 1986	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
Third Quarter 1986	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
Fourth Quarter 1986	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
1987	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
1988	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
1989	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
Total	\$ <u>7,153,235</u>	\$ <u>1,430,647</u>	\$ <u>1,605,451</u>	\$ <u>10,189,333</u>

Project Number 74-01-407

Title MWWTP Sludge Processing Equipment

History of Authorization: Included in the Waste Management Policy Plan as a previously approved system improvement project.

Project Description: This project consists of two sludge incinerators. This contract will be for the incinerators furnished and installed in the sludge processing building.

Project Status and Objectives:

1. Current Status (Step III) - The project has been placed into operation.

2. Objectives for 1986 - The project will be completed in 1985.

3. Annual Objectives for future years

1987 - NA

1988 - NA

1989 - NA

Support for Appropriation Amendments

Text for the Rationale

1985 Appropriation \$ 11,800,066

Actual Expenditures 11,708,351

Balance (4-30-85) 91,715

Additional Funding NONE  
(Step)

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ <u>7,195,713</u>	\$ <u>1,439,143</u>	\$ <u>3,043,471</u>	\$ <u>11,678,327</u>
1985	<u>                    </u>	<u>                    </u>	<u>121,739</u>	<u>121,739</u>
First Quarter 1986	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
Second Quarter 1986	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
Third Quarter 1986	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
Fourth Quarter 1986	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
1987	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
1988	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
1989	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
Total	\$ <u>7,195,713</u>	\$ <u>1,439,143</u>	\$ <u>3,165,210</u>	\$ <u>11,800,066</u>

Project Number 74-01-408

Title MWWTP Sludge Processing Bldg.

History of Authorization: Included in the Waste Management Policy Plan as a previously approved system improvement project.

Project Description: This project consists of a building complex to house sludge incinerators, waste heat recovery facilities, sludge drying facilities and storage and loadout area. Equipment included in the sludge processing building includes rotary sludge dryers, gas cleaning systems, waste heat boilers, and incinerator modifications. Improvements include modifications to the rotary dryers and sludge handling system.

Project Status and Objectives:

1. Current Status (Step III) - The project has been placed into operation.
2. Objectives for 1986 - The project will be completed in 1985.
3. Annual Objectives for future years

1987 - NA

1988 - NA

1989 - NA

Support for Appropriation Amendments

Text for the Rationale

1985 Appropriation	\$ <u>103,480,000</u>
Actual Expenditures	<u>100,916,041</u>
Balance (4-30-85)	<u>2,563,959</u>
Additional Funding (Step)	<u>(225,000)</u>

Project will run under budget.

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ <u>56,652,975</u>	\$ <u>11,330,595</u>	\$ <u>32,816,993</u>	\$ <u>100,800,563</u>
1985	<u>750</u>	<u>150</u>	<u>428,537</u>	<u>429,437</u>
First Quarter 1986	<u>                    </u>	<u>                    </u>	<u>250,000</u>	<u>250,000</u>
Second Quarter 1986	<u>                    </u>	<u>                    </u>	<u>250,000</u>	<u>250,000</u>
Third Quarter 1986	<u>                    </u>	<u>                    </u>	<u>250,000</u>	<u>250,000</u>
Fourth Quarter 1986	<u>                    </u>	<u>                    </u>	<u>250,000</u>	<u>250,000</u>
1987	<u>                    </u>	<u>                    </u>	<u>1,025,000</u>	<u>1,025,000</u>
1988	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
1989	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
Total	\$ <u>56,653,725</u>	\$ <u>11,330,745</u>	\$ <u>35,270,530</u>	\$ <u>103,255,000</u>

Project Number 75-01 Title Residual Solids Management

History of Authorization: Included in the Waste Management Policy Plan as a study.

Project Description: The objective of the Study is to develop a technically, economically and environmentally acceptable system for the reuse and/or disposal of residual solids, such as ash, grit, screenings and sludge from all of the Commission's treatment plants. Immediate ash and sludge disposal needs will be analyzed and alternatives for a long range system will be refined, including the determination of the viability of economically marketed Heat Dried Sludge.

Project Status and Objectives:

1. Current Status (Step I) The study has been in progress since 1977 and initial steps have been taken to conduct a market study of heat dried sludge. The MWCC has not located a permanent ash landfill site.
2. Objectives for 1986 - To complete the study.
3. Annual Objectives for future years  
1987 - NA  
1988 - NA  
1989 - NA

Support for Appropriation Amendments

Text for the Rationale

1985 Appropriation	\$ <u>1,774,798</u>
Actual Expenditures	<u>1,573,773</u>
Balance (4-30-85)	<u>201,025</u>
Additional Funding (Step)	<u>NONE</u>

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ <u>1,135,772</u>	\$ <u>227,154</u>	\$ <u>210,847</u>	\$ <u>1,573,773</u>
1985	<u>75,000</u>	<u>15,000</u>	<u>10,000</u>	<u>100,000</u>
First Quarter 1986	<u>19,519</u>	<u>3,904</u>	<u>2,602</u>	<u>26,025</u>
Second Quarter 1986	<u>18,750</u>	<u>3,750</u>	<u>2,500</u>	<u>25,000</u>
Third Quarter 1986	<u>7,058</u>	<u>1,412</u>	<u>16,530</u>	<u>25,000</u>
Fourth Quarter 1986			<u>25,000</u>	<u>25,000</u>
1987				
1988				
1989				
Total	\$ <u>1,256,099</u>	\$ <u>251,220</u>	\$ <u>267,479</u>	\$ <u>1,774,798</u>

Project Number 75-10Title Engineering Services-NPDES PermitsHistory of Authorization: Included in the Waste Management Plan as a study.

Project Description: The MPCA in accordance with the terms of PL 92-500, Water Pollution Control Act Amendments, 1972, has issued NPDES Permits for each of the treatment plants under the jurisdiction of the MWCC. The permits for the plants which remain as permanent facilities will require updating and review. Each plant has its individual problems and requirements, and it will be necessary to determine the impact of the proposed revisions to each permit. The permits for the combined sewer overflow points will also be reviewed in this program.

Project Status and Objectives:

1. Current Status (Step I) - Numerous permits have been reviewed and issued and each NPDES Permit will be revised periodically.
2. Objectives for 1986 - To continue the review and issuance of future permits.
3. Annual Objectives for future years

1987 - N/A

1988 - N/A

1989 - N/A

Support for Appropriation AmendmentsText for the Rationale

1985 Appropriation	\$ <u>170,000</u>
Actual Expenditures	<u>126,621</u>
Balance (4-30-85)	<u>43,379</u>
Additional Funding (Step)	<u>25,000</u>

Additional funds are needed to provide the necessary input into future permits to assure proper effluent standards for waste water treatment plants.

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ <u>          </u>	\$ <u>          </u>	\$ <u>126,568</u>	\$ <u>126,568</u>
1985	<u>          </u>	<u>          </u>	<u>35,000</u>	<u>35,000</u>
First Quarter 1986	<u>          </u>	<u>          </u>	<u>8,358</u>	<u>8,358</u>
Second Quarter 1986	<u>          </u>	<u>          </u>	<u>8,358</u>	<u>8,358</u>
Third Quarter 1986	<u>          </u>	<u>          </u>	<u>8,358</u>	<u>8,358</u>
Fourth Quarter 1986	<u>          </u>	<u>          </u>	<u>8,358</u>	<u>8,358</u>
1987	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1988	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1989	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Total	\$ <u>          </u>	\$ <u>          </u>	\$ <u>195,000</u>	\$ <u>195,000</u>

Project Number 75-50

Title Metro Planning

History of Authorization: Included in previous capital budget prior to the requirements of M.R.A.

Project Description: The Metropolitan Council reviewed our development programs, program budgets and amendments and other data relating to the construction fund.

Project Status and Objectives:

1. Current Status (Step I) The planning will continue by the Metropolitan Council.
2. Objectives for 1986 - To provide for a Metropolitan Council review and the MWCC's planning and design of capital projects.
3. Annual Objectives for future years  
1987 - NA  
1988 - NA  
1989 - NA

Support for Appropriation Amendments

1985 Appropriation	\$ <u>2,490,000</u>
Actual Expenditures	<u>1,745,005</u>
Balance (4-30-85)	<u>744,995</u>
Additional Funding (Step)	<u>600,000</u>

Text for the Rationale

Additional funds are needed to provide for the continued review by the Metropolitan Council.

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ _____	\$ _____	\$ 1,745,005	\$ 1,745,005
1985	_____	_____	744,995	744,995
First Quarter 1986	_____	_____	150,000	150,000
Second Quarter 1986	_____	_____	150,000	150,000
Third Quarter 1986	_____	_____	150,000	150,000
Fourth Quarter 1986	_____	_____	150,000	150,000
1987	_____	_____	_____	_____
1988	_____	_____	_____	_____
1989	_____	_____	_____	_____
Total	\$ _____	\$ _____	\$ 3,090,000	\$ 3,090,000

Project Number 76-07

Title MMWTP Retrofit Process Control

History of Authorization: Included in the Waste Management Policy Plan as a previously approved system improvement project.

Project Description: This project is proposed to consist of the furnishing and installation of sophisticated instruments and direct digital control system for the older portions of the plant and other newer areas not included under the current project. The project will tie these portions of the plant into the new centralized system and allow the utmost efficiency of operations.

Project Status and Objectives:

1. Current Status (Step III) - The project is under construction.
2. Objectives for 1986 - To continue construction and provide for early completion in some critical portions of the plant.
3. Annual Objectives for future years  
1987 - To complete construction in mid-year.  
1988 - NA  
1989 - NA

Support for Appropriation Amendments

Text for the Rationale

1985 Appropriation	\$ 17,750,000
Actual Expenditures	4,545,181
Balance (4-30-85)	13,204,819
Additional Funding (Step)	NONE

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ 2,979,759	\$ 595,952	\$ 681,088	\$ 4,256,799
1985	2,100,000	420,000	480,000	3,000,000
First Quarter 1986	840,000	168,000	192,000	1,200,000
Second Quarter 1986	840,000	168,000	192,000	1,200,000
Third Quarter 1986	840,000	168,000	192,000	1,200,000
Fourth Quarter 1986	797,859	159,572	182,368	1,139,799
1987	2,852,382	570,476	2,330,544	5,753,402
1988				
1989				
Total	\$ 11,250,000	\$ 2,250,000	\$ 4,250,000	\$ 17,750,000

Project Number 76-13Title Environmental Planning

History of Authorization: Included in the Waste Management Policy Plan as a previously approved system improvement project.

Project Description: To establish a base line inventory of environmental characteristics of the Metropolitan Areas as a basis for project planning and preparation of environmental assessments. The study will provide a framework by which to evaluate the cumulative impacts of the facilities planned in the program. Emphasis is on water resources, community growth patterns, land use trends and questions of reserve capacity. Also to prepare an environmental impact statement for the residual solids management and combined sewer study elements of facilities planning.

Project Status and Objectives:

1. Current Status (Step I) - The study is in progress and will continued into 1986.
2. Objectives for 1986 - To complete the study and furnish the necessary data for planning.

3. Annual Objectives for future years

1987 - NA

1988 - NA

1989 - NA

Support for Appropriation Amendments

Text for the Rationale

1985 Appropriation \$ 749,202

Actual Expenditures 650,503

Balance (4-30-85) 98,699

Additional Funding NONE  
(Step)

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ 487,877	\$ 97,575	\$ 65,050	\$ 650,503
1985	18,750	3,750	2,500	25,000
First Quarter 1986	15,000	3,000	2,000	20,000
Second Quarter 1986	15,000	3,000	2,000	20,000
Third Quarter 1986	15,000	3,000	2,000	20,000
Fourth Quarter 1986	10,275	2,055	1,370	13,699
1987				
1988				
1989				
Total	\$ 561,902	\$ 112,380	\$ 74,920	\$ 749,202.



Project Number 76-55Title Combined Sewer StudyHistory of Authorization: Included in the Waste Management Policy Plan as a study.Project Description: The study will determine the environmental impact of the combined sewer overflow on the Mississippi River and will formulate an abatement program leading towards the reduction or elimination of combined sewer overflow. The study will include an assessment of combined sewer overflows, general planning of the abatement program and preliminary engineering of the required abatement facilities.Project Status and Objectives:

1. Current Status (Step I) - The basic study will be completed in 1985. Additional work and coordination will continue with approval agencies and on monitoring areas.

2. Objectives for 1986 - To complete the coordination with the approval agencies.

3. Annual Objectives for future years

1987 - NA

1988 - NA

1989 - NA

Support for Appropriation AmendmentsText for the Rationale

1985 Appropriation	\$ 2,933,600
Actual Expenditures	2,800,487
Balance (4-30-85)	133,113
Additional Funding (Step)	125,000

Additional funds are needed to provide for the continued effort to obtain approvals from the approval agencies.

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ 1,970,676	\$ 394,135	\$ 397,884	\$ 2,762,695
1985	146,929	29,386	19,590	195,905
First Quarter 1986			25,000	25,000
Second Quarter 1986			25,000	25,000
Third Quarter 1986			25,000	25,000
Fourth Quarter 1986			25,000	25,000
1987				
1988				
1989				
Total	\$ 2,117,605	\$ 423,521	\$ 517,474	\$ 3,058,600

Project Number 77-05 Title Lower Beltline Interceptor

History of Authorization: Included in the Development Program for years 1978-1982.

Project Description: The project provides for the construction of a new interceptor to replace the existing under capacity line and also modifications to the undersized regulator. The interceptor extends from near the intersection of Warner Road & Highway 61 to the joint interceptor at Childs Road.

Project Status and Objectives:

1. Current Status (Step III) - Construction is in progress.
2. Objectives for 1986 - Objective is to substantially complete the project in 1985. However, additional expenditures will be required for related work until 1987.
3. Annual Objectives for future years  
1987 - NA  
1988 - NA  
1989 - NA

Support for Appropriation Amendments

1985 Appropriation	\$ <u>4,350,000</u>
Actual Expenditures	<u>1,180,315</u>
Balance (4-30-85)	<u>3,169,685</u>
Additional Funding (Step)	<u>(200,000)</u>

Text for the Rationale

Project will run under budget

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ <u>347,778</u>	\$ <u>69,556</u>	\$ <u>79,494</u>	\$ <u>496,828</u>
1985	<u>1,921,199</u>	<u>384,239</u>	<u>476,388</u>	<u>2,781,826</u>
First Quarter 1986			<u>82,000</u>	<u>82,000</u>
Second Quarter 1986			<u>82,000</u>	<u>82,000</u>
Third Quarter 1986			<u>82,000</u>	<u>82,000</u>
Fourth Quarter 1986			<u>82,000</u>	<u>82,000</u>
1987			<u>543,346</u>	<u>543,346</u>
1988				
1989				
Total	\$ <u>2,268,977</u>	\$ <u>453,795</u>	\$ <u>1,427,228</u>	\$ <u>4,150,000</u>

Project Number 78-01 Title Future System Configuration

History of Authorization: Included in the Waste Management Policy Plan as a study.

Project Description: The purpose is that of determining the most cost-effective solution on a regional basis, including an evaluation of non-monetary factors of each alternative.

Project Status and Objectives:

1. Current Status (Step I) - The study is in progress.
2. Objectives for 1986 - To coordinate the study with the recommendations from the CSO Study.
3. Annual Objectives for future years  
1987 - To complete the study in 1987.  
1988 - NA  
1989 - NA

Support for Appropriation Amendments

Text for the Rationale

1985 Appropriation	\$ <u>524,363</u>
Actual Expenditures	<u>502,989</u>
Balance (4-30-85)	<u>21,374</u>
Additional Funding (Step)	<u>NONE</u>

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ <u>352,092</u>	\$ <u>75,448</u>	\$ <u>75,449</u>	\$ <u>502,989</u>
1985	<u>          </u>	<u>          </u>	<u>10,000</u>	<u>10,000</u>
First Quarter 1986	<u>          </u>	<u>          </u>	<u>2,000</u>	<u>2,000</u>
Second Quarter 1986	<u>          </u>	<u>          </u>	<u>2,000</u>	<u>2,000</u>
Third Quarter 1986	<u>          </u>	<u>          </u>	<u>2,000</u>	<u>2,000</u>
Fourth Quarter 1986	<u>          </u>	<u>          </u>	<u>2,000</u>	<u>2,000</u>
1987	<u>          </u>	<u>          </u>	<u>3,374</u>	<u>3,374</u>
1988	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1989	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Total	\$ <u>352,092</u>	\$ <u>75,448</u>	\$ <u>96,823</u>	\$ <u>524,363</u>

Project Number 79-06 Title Hastings WWTP Expansion

History of Authorization: Included in the Waste Management Policy Plan and was included in the Development Program by amendment in 1979.

Project Description: The project consists of new facilities to increase the plant size up to 2.7 mgd and to improve the degree of treatment.

Project Status and Objectives:

1. Current Status (Step III) - The project is under construction.
2. Objectives for 1986 - Objective is to substantially complete the project in 1985. However, additional expenditures will be required for related work until 1987.
3. Annual Objectives for future years  
1987 - NA  
  
1988 - NA  
  
1989 - NA

Support for Appropriation Amendments

1985 Appropriation	\$ <u>10,013,625</u>
Actual Expenditures	<u>6,570,893</u>
Balance (4-30-85)	<u>3,442,732</u>
Additional Funding (Step)	<u>(200,000)</u>

Text for the Rationale

Project will run under budget.

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ <u>4,297,333</u>	\$ <u>859,467</u>	\$ <u>982,247</u>	\$ <u>6,139,047</u>
1985	<u>1,936,067</u>	<u>387,213</u>	<u>463,971</u>	<u>2,787,251</u>
First Quarter 1986			<u>75,000</u>	<u>75,000</u>
Second Quarter 1986			<u>75,000</u>	<u>75,000</u>
Third Quarter 1986			<u>75,000</u>	<u>75,000</u>
Fourth Quarter 1986			<u>75,000</u>	<u>75,000</u>
1987			<u>587,327</u>	<u>587,327</u>
1988				
1989				
Total	\$ <u>6,233,400</u>	\$ <u>1,246,680</u>	\$ <u>2,333,545</u>	\$ <u>9,813,625</u>

Project Number 79-50

Title Stipulation Agreement-Metro

History of Authorization: Extraordinary expense imposed on the Commission by the Stipulation Agreement for the Metro Plant.

Project Description: This agreement between the MPCA, Metropolitan Council and the MWCC requires that monies be expended to hire 2 consultants to study (1) Metro Plant Operations. Study (2) the effect of sewer extensions on the performance of the Metro Plant.

Project Status and Objectives:

1. Current Status (Step I) - The work has been essentially completed.

2. Objectives for 1986

3. Annual Objectives for future years

1987 - NA

1988 - NA

1989 - NA

Support for Appropriation Amendments

Text for the Rationale

1985 Appropriation \$ 405,000

Actual Expenditures 305,353

Balance (4-30-85) 99,647

Additional Funding (Step) (75,000)

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ <u>          </u>	\$ <u>          </u>	\$ <u>305,307</u>	\$ <u>305,307</u>
1985	<u>          </u>	<u>          </u>	<u>24,693</u>	<u>24,693</u>
First Quarter 1986	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Second Quarter 1986	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Third Quarter 1986	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Fourth Quarter 1986	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1987	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1988	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1989	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Total	\$ <u>          </u>	\$ <u>          </u>	\$ <u>330,000</u>	\$ <u>330,000</u>

Project Number 79-79

Title I/I Analysis & Rehabilitation  
Community Grants

History of Authorization: The MWCC was required by MPA to administrate the infiltration/  
inflow analysis for about 30 communities.

Project Description: The MWCC has the responsibility to coordinate the  
infiltration/inflow grants for about 30 communities. The cost  
to the MWCC is an administrative cost and the cities pay the  
local costs.

Project Status and Objectives:

1. Current Status (Step) The projects are essentially complete at this time.
2. Objectives for 1986 - To provide certification and satisfy the construction grant  
requirements.
3. Annual Objectives for future years  
1987 - NA  
1988 - NA  
1989 - NA

Support for Appropriation Amendments

Text for the Rationale

1985 Appropriation	\$ <u>4,113,000</u>
Actual Expenditures	<u>3,324,111</u>
Balance (4-30-85)	<u>788,889</u>
Additional Funding (Step)	<u>NONE</u>

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ 2,538,559	\$ 507,712	\$ 277,819	\$ 3,324,090
1985	<u>516,920</u>	<u>103,384</u>	<u>55,696</u>	<u>676,000</u>
First Quarter 1986			<u>112,910</u>	<u>112,910</u>
Second Quarter 1986				
Third Quarter 1986				
Fourth Quarter 1986				
1987				
1988				
1989				
Total	\$ <u>3,055,479</u>	\$ <u>611,096</u>	\$ <u>446,425</u>	\$ <u>4,113,000</u>

Project Number 79-80

Title MMWTP Additional Secondary Treatment  
(East Battery)

History of Authorization: Included in the Development Program by amendment in 1979 and included in the 1980 Budget.

Project Description: This project will consist of four additional aeration tanks and three additional final clarifiers which are to be constructed on the existing east battery. The facilities are required to meet the 1982 NPDES Permit requirements.

Project Status and Objectives:

1. Current Status (Step III) The project is essentially completed.
2. Objectives for 1986 To complete the start-up services and satisfy the construction grant requirements.
3. Annual Objectives for future years
  - 1987 - To complete the project.
  - 1988 - NA
  - 1989 - NA

Support for Appropriation Amendments

Text for the Rationale

1985 Appropriation	\$ <u>21,036,775</u>
Actual Expenditures	<u>20,195,334</u>
Balance (4-30-85)	<u>841,441</u>
Additional Funding (Step)	<u>-0-</u>

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ <u>13,912,146</u>	\$ <u>2,782,429</u>	\$ <u>3,389,265</u>	\$ <u>20,083,840</u>
1985	<u>210,000</u>	<u>42,000</u>	<u>28,000</u>	<u>280,000</u>
First Quarter 1986	<u>                    </u>	<u>                    </u>	<u>79,000</u>	<u>79,000</u>
Second Quarter 1986	<u>                    </u>	<u>                    </u>	<u>79,000</u>	<u>79,000</u>
Third Quarter 1986	<u>                    </u>	<u>                    </u>	<u>79,000</u>	<u>79,000</u>
Fourth Quarter 1986	<u>                    </u>	<u>                    </u>	<u>79,223</u>	<u>79,223</u>
1987	<u>                    </u>	<u>                    </u>	<u>356,712</u>	<u>356,712</u>
1988	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
1989	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
Total	\$ <u>14,122,146</u>	\$ <u>2,824,429</u>	\$ <u>4,090,200</u>	\$ <u>21,036,775</u>

Project Number 79-96 Title Overhead (Not Reimbursable)

History of Authorization: Necessary overhead for all construction projects.

Project Description: This program will accumulate Construction Department Overhead costs not reimbursable by the Federal Government.

Project Status and Objectives:

1. Current Status (Step III) - This is an on-going project.
2. Objectives for 1986 - Provide environmental for all on-going construction projects.
3. Annual Objectives for future years

1987 - NA

1988 - NA

1989 - NA

Support for Appropriation Amendments

Text for the Rationale

1985 Appropriation	\$ <u>100,000</u>
Actual Expenditures	<u>43,710</u>
Balance (4-30-85)	<u>56,290</u>
Additional Funding (Step)	<u>50,000</u>

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ <u>          </u>	\$ <u>          </u>	\$ <u>43,710</u>	\$ <u>43,710</u>
1985	<u>          </u>	<u>          </u>	<u>55,290</u>	<u>55,290</u>
First Quarter 1986	<u>          </u>	<u>          </u>	<u>12,750</u>	<u>12,750</u>
Second Quarter 1986	<u>          </u>	<u>          </u>	<u>12,750</u>	<u>12,750</u>
Third Quarter 1986	<u>          </u>	<u>          </u>	<u>12,750</u>	<u>12,750</u>
Fourth Quarter 1986	<u>          </u>	<u>          </u>	<u>12,750</u>	<u>12,750</u>
1987	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1988	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1989	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Total	\$ <u>          </u>	\$ <u>          </u>	\$ <u>150,000</u>	\$ <u>150,000</u>



Project Number 79-97 Title Grants Administration

History of Authorization: Overhead costs for construction fund.

Project Description: To consolidate the grant management functions of the Commission.

Project Status and Objectives:

1. Current Status (Step III) - This will be an on-going program within the Commission.
2. Objectives for 1986 -
3. Annual Objectives for future years  
1987 - NA  
  
1988 - NA  
  
1989 - NA

Support for Appropriation Amendments

Text for the Rationale

1985 Appropriation	\$ <u>500,000</u>
Actual Expenditures	<u>108,202</u>
Balance (4-30-85)	<u>391,798</u>
Additional Funding (Step)	<u>(200,000)</u>

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ <u>          </u>	\$ <u>          </u>	\$ <u>108,202</u>	\$ <u>108,202</u>
1985	<u>          </u>	<u>          </u>	<u>91,798</u>	<u>91,798</u>
First Quarter 1986	<u>          </u>	<u>          </u>	<u>25,000</u>	<u>25,000</u>
Second Quarter 1986	<u>          </u>	<u>          </u>	<u>25,000</u>	<u>25,000</u>
Third Quarter 1986	<u>          </u>	<u>          </u>	<u>25,000</u>	<u>25,000</u>
Fourth Quarter 1986	<u>          </u>	<u>          </u>	<u>25,000</u>	<u>25,000</u>
1987	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1988	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1989	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Total	\$ <u>          </u>	\$ <u>          </u>	\$ <u>300,000</u>	\$ <u>300,000</u>

Project Number 79-98 Title Metro Field Office Overhead

History of Authorization: Overhead costs for construction fund.

Project Description: This program will accumulate all Construction Department Overhead costs at the Metro Field Office that are grant reimburseable.

Project Status and Objectives:

1. Current Status (Step III) - This will be an on-going program within the Commission.
2. Objectives for 1986
3. Annual Objectives for future years  
1987 - NA  
  
1988 - NA  
  
1989 - NA

Support for Appropriation Amendments

Text for the Rationale

1985 Appropriation	\$ <u>600,000</u>
Actual Expenditures	<u>208,791</u>
Balance (4-30-85)	<u>341,209</u>
Additional Funding (Step)	<u>600,000</u>

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ <u>          </u>	\$ <u>          </u>	\$ <u>208,971</u>	\$ <u>208,971</u>
1985	<u>          </u>	<u>          </u>	<u>391,209</u>	<u>391,209</u>
First Quarter 1986	<u>          </u>	<u>          </u>	<u>150,000</u>	<u>150,000</u>
Second Quarter 1986	<u>          </u>	<u>          </u>	<u>150,000</u>	<u>150,000</u>
Third Quarter 1986	<u>          </u>	<u>          </u>	<u>150,000</u>	<u>150,000</u>
Fourth Quarter 1986	<u>          </u>	<u>          </u>	<u>150,000</u>	<u>150,000</u>
1987	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1988	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1989	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Total	\$ <u>          </u>	\$ <u>          </u>	\$ <u>1,200,000</u>	\$ <u>1,200,000</u>

Project Number 81-51Title Lake Gervais InterceptorHistory of Authorization: Included in the Development Program for Years 1978-1982

Project Description: This project provides for a new gravity interceptor starting from the Beltline Interceptor near the interception of Hwys. 61 & 36 in Maplewood and going in a westerly and northwesterly direction to the Lake Gervais Lift Station where the proposed interceptor will connect to the existing Little Canada Interceptor. The construction of this interceptor will allow the existing and over capacity Lake Gervais Lift Station to be modified and the forcemain to be phased out of service.

Project Status and Objectives:

1. Current Status (Step III) - The project is under construction.
2. Objectives for 1986 - Objective is to substantially complete the project in 1985. However, additional expenditures will be required for related work until 1987.
3. Annual Objectives for future years
  - 1987 - NA
  - 1988 - NA
  - 1989 - NA

Support for Appropriation AmendmentsText for the Rationale

1985 Appropriation	\$ <u>8,600,000</u>
Actual Expenditures	<u>2,390,940</u>
Balance (4-30-85)	<u>6,209,060</u>
Additional Funding (Step)	<u>NONE</u>

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ _____	\$ _____	\$ 1,751,035	\$ 1,751,035
1985	_____	_____	3,419,952	3,419,952
First Quarter 1986	_____	_____	495,307	495,307
Second Quarter 1986	_____	_____	300,000	300,000
Third Quarter 1986	_____	_____	250,000	250,000
Fourth Quarter 1986	_____	_____	250,000	250,000
1987	_____	_____	2,133,706	2,133,706
1988	_____	_____	_____	_____
1989	_____	_____	_____	_____
Total	\$ _____	\$ _____	\$ 8,600,000	\$ 8,600,000

Project Number 81-63

Title Planning, Programming, Budget Systems

History of Authorization: Included in prior capital budgets with concurrence with the Metropolitan Council.

Project Description: The program provides for the continuation of comprehensive long range Commission planning, the overall updating of current planning with the regulatory approval agencies. The program will provide resources for the preparation of the development program.

Project Status and Objectives:

1. Current Status (Step I) - The study is in progress.
2. Objectives for 1986 - To continue the study and provide updating for the overall current planning effort.
3. Annual Objectives for future years  
1987 - NA  
  
1988 - NA  
  
1989 - NA

Support for Appropriation Amendments

Text for the Rationale

1985 Appropriation	\$ <u>325,000</u>
Actual Expenditures	<u>289,597</u>
Balance (4-30-85)	<u>35,403</u>
Additional Funding (Step)	<u>75,000</u>

Additional funds are necessary to provide overall updating of current plans and for the preparation of the development program.

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ _____	\$ _____	\$ 267,857	\$ 267,857
1985	_____	_____	57,143	57,143
First Quarter 1986	_____	_____	20,000	20,000
Second Quarter 1986	_____	_____	20,000	20,000
Third Quarter 1986	_____	_____	20,000	20,000
Fourth Quarter 1986	_____	_____	15,000	15,000
1987	_____	_____	_____	_____
1988	_____	_____	_____	_____
1989	_____	_____	_____	_____
Total	\$ _____	\$ _____	\$ 400,000	\$ 400,000

Project Number 81-65 Title Miscellaneous Capital Improvements

History of Authorization: Included in the Capital Budget with concurrence of the Metropolitan Council.

Project Description: This program provides for numerous small, miscellaneous projects at the wastewater treatment plants and for the interceptor system to improve the facilities and eliminate the inadequacies. The projects consist of the investigation, planning, design and construction phase and provides for total project costs.

Project Status and Objectives:

1. Current Status (Step III) - The project will be completed during 1986.

2. Objectives for 1986 - NA

3. Annual Objectives for future years

1987 - NA

1988 - NA

1989 - NA

Support for Appropriation Amendments

Text for the Rationale

1985 Appropriation \$ 3,699,047

Actual Expenditures 3,487,418

Balance (4-30-85) 211,629

Additional Funding -0-  
(Step)

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$	\$	\$ 3,467,891	\$ 3,467,891
1985			23,156	231,156
First Quarter 1986				
Second Quarter 1986				
Third Quarter 1986				
Fourth Quarter 1986				
1987				
1988				
1989				
Total	\$	\$	\$ 3,699,047	\$ 3,699,047

Project Number 82-52Title CAB InterceptorHistory of Authorization: Included in the Development Program for Years 1981-1986

Project Description: This project consists of an interceptor from the existing Brooklyn Park Interceptor northwesterly up to Champlin. The interceptor will provide gravity service up to the southwest corner of the old village limits of Champlin and provide a future outlet for the phaseout of the Anoka Plant via a lift station and forcemain.

Project Status and Objectives:

1. Current Status (Step III) - The project has been completed and placed into operation.
2. Objectives for 1986 - To resolve all construction and financial differences on the project.
3. Annual Objectives for future years
  - 1987 - NA
  - 1988 - NA
  - 1989 - NA

Support for Appropriation AmendmentsText for the Rationale

1985 Appropriation	\$ <u>20,320,000</u>
Actual Expenditures	<u>15,241,611</u>
Balance (4-30-85)	<u>5,078,389</u>
Additional Funding (Step)	<u>(3,000,000)</u>

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ _____	\$ _____	\$ 15,135,210	\$ 15,135,210
1985	_____	_____	814,058	814,058
First Quarter 1986	_____	_____	_____	_____
Second Quarter 1986	_____	_____	_____	_____
Third Quarter 1986	_____	_____	_____	_____
Fourth Quarter 1986	_____	_____	_____	_____
1987	_____	_____	1,370,732	1,370,732
1988	_____	_____	_____	_____
1989	_____	_____	_____	_____
Total	\$ _____	\$ _____	\$ 17,320,000	\$ 17,320,000

Project Number 82-53Title Lake Ann Interceptor

History of Authorization: The project will be included in the Development Program by amendment in 1985.

Project Description: This project consists of improvements to the Lake Virginia Lift Station and the construction of a new gravity interceptor southeasterly through Chanhasen and connection to the existing Purgatory Creek Interceptor in Eden Paririe. An alternative is for a forcemain alignment on the northerly edge of Chanhasen in lieu of the gravity interceptor. The project also includes the preparation of plans and specifications for improvements to the Excelsior Lift Station.

Project Status and Objectives:

1. Current Status (Step II) - The project is in the planning and design phase.

2. Objectives for 1986 - To initiate the design.

3. Annual Objectives for future years

1987 - To complete the design.

1988 - NA

1989 - NA

Support for Appropriation Amendments

Text for the Rationale

1985 Appropriation \$ 500,000

Actual Expenditures 160,941

Balance (4-30-85) 339,059

Additional Funding -0-  
(Step)

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ <u>          </u>	\$ <u>          </u>	\$ 157,743	\$ 157,743
1985	<u>          </u>	<u>          </u>	100,000	100,000
First Quarter 1986	<u>          </u>	<u>          </u>	60,000	60,000
Second Quarter 1986	<u>          </u>	<u>          </u>	60,000	60,000
Third Quarter 1986	<u>          </u>	<u>          </u>	60,000	60,000
Fourth Quarter 1986	<u>          </u>	<u>          </u>	62,257	62,257
1987	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1988	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1989	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Total	\$ <u>          </u>	\$ <u>          </u>	\$ 500,000	\$ 500,000

Project Number 82-53-300Title Excelsior Lift Station Improvements

History of Authorization: This project was included in the Development Program by amendment in 1985.

Project Description: The project consists of improvements to the existing lift station. The design is being conducted under the Lake Ann Interceptor project. The improvements consist of additions to the structure, new pumps, mechanical and electrical systems and replacement of a short reach of gravity interceptor. The project will be more reliable with some increase in capacity.

Project Status and Objectives:

1. Current Status (Step II) - The plans and specification will be completed in 1985 under the Lake Ann Interceptor project.
2. Objectives for 1986 - To initiate construction in late 1985.
3. Annual Objectives for future years
  - 1987 - NA
  - 1988 - NA
  - 1989 - NA

Support for Appropriation Amendments

Text for the Rationale

1985 Appropriation	\$ <u>NONE</u>
Actual Expenditures	<u>NONE</u>
Balance (4-30-85)	<u>NONE</u>
Additional Funding (Step)	<u>1,500,000</u>

To provide funds for the construction phase.

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ <u>          </u>	\$ <u>          </u>	\$ <u>          </u>	\$ <u>          </u>
1985	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
First Quarter 1986	<u>          </u>	<u>          </u>	<u>150,000</u>	<u>150,000</u>
Second Quarter 1986	<u>          </u>	<u>          </u>	<u>150,000</u>	<u>150,000</u>
Third Quarter 1986	<u>          </u>	<u>          </u>	<u>150,000</u>	<u>150,000</u>
Fourth Quarter 1986	<u>          </u>	<u>          </u>	<u>150,000</u>	<u>150,000</u>
1987	<u>          </u>	<u>          </u>	<u>900,000</u>	<u>900,000</u>
1988	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1989	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Total	\$ <u>          </u>	\$ <u>          </u>	\$ <u>1,500,000</u>	\$ <u>1,500,000</u>



Project Number 82-54

Title Interceptor Rehabilitation

History of Authorization: Included in the Development Program for years 1981-1986

Project Description: This project will consist of design and construction services to rehabilitate numerous areas in the interceptor system. The rehabilitation services will be to primarily eliminate excessive inflow/infiltration in numerous reaches of the interceptor system.

Project Status and Objectives:

1. Current Status (Step II & III) - The design work will continue on several interceptors.
2. Objectives for 1986 - To complete the design and rehabilitate several critical reaches on interceptors.
3. Annual Objectives for future years
  - 1987 - NA
  - 1988 - NA
  - 1989 - NA

Support for Appropriation Amendments

Text for the Rationale

1985 Appropriation	\$ <u>100,000</u>
Actual Expenditures	<u>4,772</u>
Balance (4-30-85)	<u>95,228</u>
Additional Funding (Step)	<u>NONE</u>

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ <u>          </u>	\$ <u>          </u>	\$ <u>4,772</u>	\$ <u>4,772</u>
1985	<u>          </u>	<u>          </u>	<u>20,228</u>	<u>20,228</u>
First Quarter 1986	<u>          </u>	<u>          </u>	<u>20,000</u>	<u>20,000</u>
Second Quarter 1986	<u>          </u>	<u>          </u>	<u>20,000</u>	<u>20,000</u>
Third Quarter 1986	<u>          </u>	<u>          </u>	<u>20,000</u>	<u>20,000</u>
Fourth Quarter 1986	<u>          </u>	<u>          </u>	<u>15,000</u>	<u>15,000</u>
1987	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1988	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1989	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Total	\$ <u>          </u>	\$ <u>          </u>	\$ <u>100,000</u>	\$ <u>100,000</u>

Project Number 82-55Title Minneapolis East InterceptorHistory of Authorization: Included in the Development Program for years 1981-1986.

Project Description: The project consists of the construction of about six miles of parallel interceptor on the existing Mpls. East Interceptor. The project can be constructed in stages with the most critical stage being constructed in advance. The overall design of all aspects of both reaches have to be closely coordinated. This will provide for basic overall design of the project and the detail design for the initial phase. Phase I of the interceptor between 2nd & Main & Lake St. will be the initial construction.

Project Status and Objectives:

1. Current Status (Step III) - The plans and specifications are complete and the construction will be initiated in late 1985.
2. Objectives for 1986 - To continue construction.
3. Annual Objectives for future years
  - 1987 - NA
  - 1988 - NA
  - 1989 - Complete construction.

Support for Appropriation AmendmentsText for the Rationale

1985 Appropriation	\$ <u>41,182,000</u>
Actual Expenditures	<u>2,337,410</u>
Balance (4-30-85)	<u>38,844,590</u>
Additional Funding (Step)	<u>18,687,670</u>

To provide funds as needed to provide total funding base on up-to-date estimates.

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ _____	\$ _____	\$ 2,246,478	\$ 2,246,478
1985	_____	961,210	961,211	1,922,421
First Quarter 1986	_____	1,500,000	1,500,000	3,000,000
Second Quarter 1986	_____	2,000,000	2,000,000	4,000,000
Third Quarter 1986	_____	2,500,000	2,500,000	5,000,000
Fourth Quarter 1986	_____	1,861,852	3,861,852	5,723,704
1987	_____	9,000,000	9,000,000	18,000,000
1988	_____	7,988,533	7,988,534	15,977,067
1989	_____	4,000,000	_____	4,000,000
Total	\$ _____	\$ 29,811,595	\$ 30,058,075	\$ 59,869,670

Project Number 82-56

Title MWWTP Screen and Grit Facility  
Rehabilitation

History of Authorization: Included in the Development Program for years 1981-1986.

Project Description: The MWWTP Screen & Grit Rehab. includes major improvements to the west battery to increase the level of treatment and to increase the reliability of the plant to meet the effluent requirements. The project will consist of improvements to the bar screens, the flow meters, the grit chamber, and the electrical, mechanical and control systems.

Project Status and Objectives:

1. Current Status (Step III) - The plans and specifications have been completed and bids are scheduled for second half of 1985.
2. Objectives for 1986 - To continue construction.
3. Annual Objectives for future years  
1987 - NA  
  
1988 - NA  
  
1989 - NA

Support for Appropriation Amendments

Text for the Rationale

1985 Appropriation	\$ <u>8,750,000</u>
Actual Expenditures	<u>650,045</u>
Balance (4-30-85)	<u>8,099,955</u>
Additional Funding (Step)	<u>NONE</u>

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ <u>          </u>	\$ <u>          </u>	\$ <u>645,413</u>	\$ <u>645,413</u>
1985	<u>292,840</u>	<u>          </u>	<u>292,841</u>	<u>585,681</u>
First Quarter 1986	<u>822,707</u>	<u>          </u>	<u>177,293</u>	<u>1,000,000</u>
Second Quarter 1986	<u>500,000</u>	<u>          </u>	<u>500,000</u>	<u>1,000,000</u>
Third Quarter 1986	<u>500,000</u>	<u>          </u>	<u>500,000</u>	<u>1,000,000</u>
Fourth Quarter 1986	<u>500,000</u>	<u>          </u>	<u>500,000</u>	<u>1,000,000</u>
1987	<u>1,759,453</u>	<u>          </u>	<u>1,759,453</u>	<u>3,518,906</u>
1988	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1989	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Total	\$ <u>4,375,000</u>	\$ <u>          </u>	\$ <u>4,375,000</u>	\$ <u>8,750,000</u>

Project Number 82-57Title MWWTP Primary Treatment Facility  
RehabilitationHistory of Authorization: Included in the Development Program for years 1981-1986.

Project Description: The MWWTP Primary Treatment Facility Rehab. includes major improvements to the old west battery facilities (minor improvements to the east battery) to increase the level of treatment and reliability of the plant to meet the effluent requirements. The project will consist of improvements to the settling tanks, collection mechanism, scum collection system, old flocculation tanks, the electrical system and the controls.

Project Status and Objectives:

1. Current Status (Step III) - The plans and specifications have been completed and the project is scheduled to be bid in the second half of 1985.

2. Objectives for 1986 - To continue construction.

3. Annual Objectives for future years

1987 - To complete construction in late 1987.

1988 - NA

1989 - NA

Support for Appropriation AmendmentsText for the Rationale

1985 Appropriation \$ 13,535,000

Actual Expenditures 1,128,709

Balance (4-30-85) 12,406,291

Additional Funding NONE  
(Step)

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ _____	\$ _____	\$ 1,119,953	\$ 1,119,953
1985	<u>291,541</u>	_____	<u>291,542</u>	<u>583,083</u>
First Quarter 1986	<u>1,359,976</u>	_____	<u>240,024</u>	<u>1,600,000</u>
Second Quarter 1986	<u>800,000</u>	_____	<u>800,000</u>	<u>1,600,000</u>
Third Quarter 1986	<u>800,000</u>	_____	<u>800,000</u>	<u>1,600,000</u>
Fourth Quarter 1986	<u>800,000</u>	_____	<u>800,000</u>	<u>1,600,000</u>
1987	<u>1,864,464</u>	_____	<u>3,567,500</u>	<u>5,431,964</u>
1988	_____	_____	_____	_____
1989	_____	_____	_____	_____
Total	\$ <u>5,915,981</u>	\$ _____	\$ <u>7,619,019</u>	\$ <u>13,535,000</u>

Project Number 82-58Title MWTP Secondary Treatment Facility  
RehabilitationHistory of Authorization: Included in the Development Program for years 1981-1986.

Project Description: The MWCC facilities project includes improvements to the existing west battery treatment units to improve the level of treatment and to increase the reliability of the plant to meet the effluent requirements. The improvements will consist of modifications to the scum collection system facilities, power supply system modifications, improvements to the scum enclosure buildings, flow metering system and the plant process systems.

Project Status and Objectives:

1. Current Status (Step III) - The project is under construction.

2. Objectives for 1986 - To complete the project in late 1986.

3. Annual Objectives for future years

1987 - NA

1988 - NA

1989 - NA

Support for Appropriation AmendmentsText for the Rationale1985 Appropriation \$ 5,450,000Actual Expenditures 426,581Balance (4-30-85) 5,023,419Additional Funding NONE  
(Step)Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ <u>282,250</u>	\$ <u>56,570</u>	\$ <u>65,252</u>	\$ <u>404,072</u>
1985	<u>1,621,192</u>	<u>324,238</u>	<u>370,558</u>	<u>2,315,988</u>
First Quarter 1986	<u>245,000</u>	<u>49,000</u>	<u>56,000</u>	<u>350,000</u>
Second Quarter 1986	<u>245,000</u>	<u>49,000</u>	<u>56,000</u>	<u>350,000</u>
Third Quarter 1986	<u>245,000</u>	<u>49,000</u>	<u>56,000</u>	<u>350,000</u>
Fourth Quarter 1986	<u>245,000</u>	<u>49,000</u>	<u>56,000</u>	<u>350,000</u>
1987	<u>581,183</u>	<u>116,357</u>	<u>632,400</u>	<u>1,329,940</u>
1988	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1989	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Total	\$ <u>3,465,825</u>	\$ <u>693,165</u>	\$ <u>1,291,010</u>	\$ <u>5,450,000</u>

Project Number 82-59

Title Blue Lake WWTP Sludge Thickening Facilities

History of Authorization: Included in the Development Program for years 1981-1986.

Project Description: The project will provide for additional sludge thickening tanks to allow the current primary tank which is presently being used to store and thicken sludge to be returned to use as a primary tank. The improvements will also provide for the necessary piping, electrical, mechanical and control system to provide for compatible operation of the new and existing facilities. Sludge loadout and odor scrubber facilities are also included.

Project Status and Objectives:

1. Current Status (Step III) - The plans and specifications have been completed and the project is scheduled for bidding in the second half of 1985.

2. Objectives for 1986 - To continue construction.

3. Annual Objectives for future years

1987 - To complete construction in late 1987 and provide additional capacity in the plant.

1988 - NA

1989 - NA

Support for Appropriation Amendments

Text for the Rationale

1985 Appropriation \$ 4,500,000

Actual Expenditures 194,391

Balance (4-30-85) 4,305,609

Additional Funding 300,000  
(Step)

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ <u>          </u>	\$ <u>          </u>	\$ <u>192,975</u>	\$ <u>192,975</u>
1985	<u>220,000</u>	<u>          </u>	<u>180,000</u>	<u>400,000</u>
First Quarter 1986	<u>275,000</u>	<u>          </u>	<u>225,000</u>	<u>500,000</u>
Second Quarter 1986	<u>275,000</u>	<u>          </u>	<u>225,000</u>	<u>500,000</u>
Third Quarter 1986	<u>275,000</u>	<u>          </u>	<u>225,000</u>	<u>500,000</u>
Fourth Quarter 1986	<u>440,000</u>	<u>          </u>	<u>360,000</u>	<u>800,000</u>
1987	<u>1,155,000</u>	<u>          </u>	<u>752,025</u>	<u>1,907,025</u>
1988	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1989	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Total	\$ <u>2,640,000</u>	\$ <u>          </u>	\$ <u>2,160,000</u>	\$ <u>4,800,000</u>

Project Number 83-51

Title Chaska Plant Improvements

History of Authorization: Included in the Development Program for years 1981-1986.

Project Description: The Chaska plant is near capacity and requires an expansion to provide more treatment capabilities. The proposed expansion will consist of improvements to primary and pure oxygen secondary treatment units along with the associated sludge handling facilities at the present site.

Project Status and Objectives:

1. Current Status (Step II) - The plans and specifications are complete and the project is scheduled for bids in early 1986.
2. Objectives for 1986 - To initiate construction of the project.
3. Annual Objectives for future years
  - 1987 - To complete the construction in late 1987.
  - 1988 - NA
  - 1989 - NA

Support for Appropriation Amendments

Text for the Rationale

The additional funds are needed to provide for the construction phase.

1985 Appropriation	\$ <u>250,000</u>
Actual Expenditures	<u>43,217</u>
Balance (4-30-85)	<u>206,783</u>
Additional Funding (Step III)	<u>3,000,000</u>

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ _____	\$ _____	\$ 24,644	\$ 24,644
1985	_____	_____	200,000	200,000
First Quarter 1986	_____	_____	100,000	100,000
Second Quarter 1986	_____	_____	400,000	400,000
Third Quarter 1986	_____	_____	500,000	500,000
Fourth Quarter 1986	_____	_____	500,000	500,000
1987	_____	_____	1,525,356	1,525,356
1988	_____	_____	_____	_____
1989	_____	_____	_____	_____
Total	\$ _____	\$ _____	\$ 3,250,000	\$ 3,250,000

Project Number 83-52 Title Maple Plain Interceptor

History of Authorization: Included in the Development Program for years 1981-1986.

Project Description: The proposed project consists of a lift station and forcemain to Long Lake to phase the plant out of service.

Project Status and Objectives:

1. Current Status (Step III) - Bids are scheduled for mid-summer of 1985.
2. Objectives for 1986 - To continue and complete construction in late 1986 to provide additional capacity for the plant.
3. Annual Objectives for future years  
1987 - NA  
  
1988 - NA  
  
1989 - NA

Support for Appropriation Amendments

1985 Appropriation	\$ <u>2,100,000</u>
Actual Expenditures	<u>115,182</u>
Balance (4-30-85)	<u>1,984,818</u>
Additional Funding (Step)	<u>525,000</u>

Text for the Rationale

Additional funds are needed to provide for total funds for the project based on a more detailed estimate of costs and inflation.

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ <u>          </u>	\$ <u>          </u>	\$ <u>106,340</u>	\$ <u>106,340</u>
1985	<u>748,619</u>	<u>          </u>	<u>506,166</u>	<u>1,254,785</u>
First Quarter 1986	<u>137,500</u>	<u>          </u>	<u>112,500</u>	<u>250,000</u>
Second Quarter 1986	<u>137,500</u>	<u>          </u>	<u>112,500</u>	<u>250,000</u>
Third Quarter 1986	<u>137,500</u>	<u>          </u>	<u>112,500</u>	<u>250,000</u>
Fourth Quarter 1986	<u>137,500</u>	<u>          </u>	<u>112,500</u>	<u>250,000</u>
1987	<u>          </u>	<u>          </u>	<u>263,875</u>	<u>263,875</u>
1988	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1989	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Total	\$ <u>1,298,619</u>	\$ <u>          </u>	\$ <u>1,326,381</u>	\$ <u>2,625,000</u>



Project Number 83-53

Title Minnesota River Study

History of Authorization: Approved as a study in the 1983 Capital Budget.

Project Description: This study will provide for additional information relating to more restricted water quality standards which may be required by MPCA. The comprehensive study is needed to validate the permit issuance process and provide information that is needed by the Commission for presentation at public hearings on the proposed NPDES permits.

Project Status and Objectives:

1. Current Status (Step I) - The study is in progress.
2. Objectives for 1986 - To provide information during 1986 for use as input in the NPDES permit processes.
3. Annual Objectives for future years
  - 1987 - To complete the study and provide information for use in the NPDES permit process.
  - 1988 - NA
  - 1989 - NA

Support for Appropriation Amendments

Text for the Rationale

1985 Appropriation	\$ <u>100,000</u>
Actual Expenditures	<u>54,148</u>
Balance (4-30-85)	<u>45,852</u>
Additional Funding (Step)	<u>50,000</u>

The additional funds are needed to provide more detailed information during the NPDES permit processes.

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ _____	\$ _____	\$ 54,148	\$ 54,148
1985	_____	_____	25,000	25,000
First Quarter 1986	_____	_____	50,000	50,000
Second Quarter 1986	_____	_____	20,852	20,852
Third Quarter 1986	_____	_____	_____	_____
Fourth Quarter 1986	_____	_____	_____	_____
1987	_____	_____	_____	_____
1988	_____	_____	_____	_____
1989	_____	_____	_____	_____
Total	\$ _____	\$ _____	\$ 150,000	\$ 150,000

Project Number 83-54Title MWWTP Peak Demand Shaving and  
Standby PowerHistory of Authorization: Approved as a study in 1983 Capital Budget.

Project Description: The project consists of Step II services to design a Peak Shaving Transfer System to reduce the plant monthly Demand Charge and Standby Power for Auxiliary Boiler Equipment. The system will consist of engine-generator sets, switchgears, peak load controllers, transfer switches and controls, wiring for peak shaving loads and for additional standby power to Auxiliary Boiler Equipment (10 fans, feed water pumps, air compressors, etc.).

Project Status and Objectives:

1. Current Status (Step I) - The study has been completed. The preparation of plans and specifications will be initiated in late 1985.
2. Objectives for 1986 - To complete the plans and specifications in mid-1986.

## 3. Annual Objectives for future years

1987 - NA

1988 - NA

1989 - NA

Support for Appropriation AmendmentsText for the Rationale1985 Appropriation \$ 135,000Actual Expenditures 34,809Balance (4-30-85) 100,191Additional Funding NONE  
(Step)Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ _____	\$ _____	\$ 34,716	\$ 34,716
1985	_____	_____	10,000	10,000
First Quarter 1986	_____	_____	25,000	25,000
Second Quarter 1986	_____	_____	25,000	25,000
Third Quarter 1986	_____	_____	25,000	25,000
Fourth Quarter 1986	_____	_____	15,284	15,284
1987	_____	_____	_____	_____
1988	_____	_____	_____	_____
1989	_____	_____	_____	_____
Total	\$ _____	\$ _____	\$ 135,000	\$ 135,000

Project Number 83-55 Title MMWTP Fire Detection & Alarm System

History of Authorization: Approved as a study in the 1983 Capital Budget.

Project Description: This project consists of an analysis for fire detection and alarm system for hazardous areas within the plant. The system may consist of smoke detectors, heat detectors, alarm bells, transponders, control processing units to assure intermediate sounding of the alarm at the main control room.

Project Status and Objectives:

1. Current Status (Step I) - The study will be initiated in late 1985.

2. Objectives for 1986 - The study will be completed in mid-1986.

3. Annual Objectives for future years

1987 - NA

1988 - NA

1989 - NA

Support for Appropriation Amendments

Text for the Rationale

1985 Appropriation \$ 25,000

Actual Expenditures 1,421

Balance (4-30-85) 23,579

Additional Funding NONE  
(Step)

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ <u>          </u>	\$ <u>          </u>	\$ <u>1,421</u>	\$ <u>1,421</u>
1985	<u>          </u>	<u>          </u>	<u>10,000</u>	<u>10,000</u>
First Quarter 1986	<u>          </u>	<u>          </u>	<u>4,579</u>	<u>4,579</u>
Second Quarter 1986	<u>          </u>	<u>          </u>	<u>3,000</u>	<u>3,000</u>
Third Quarter 1986	<u>          </u>	<u>          </u>	<u>3,000</u>	<u>3,000</u>
Fourth Quarter 1986	<u>          </u>	<u>          </u>	<u>3,000</u>	<u>3,000</u>
1987	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1988	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1989	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Total	\$ <u>          </u>	\$ <u>          </u>	\$ <u>25,000</u>	\$ <u>25,000</u>

Project Number 83-56 Title Lift Station Electrical System Rehabilitation

History of Authorization: Approved as a study in the 1983 Capital Budget.

Project Description: This study consists of a survey of electrical, mechanical equipment at the lift stations. This study will provide for the information to determine the need for replacement of old equipment with new reliable and efficient equipment.

Project Status and Objectives:

1. Current Status (Step I) - The study will be initiated in late 1985.

2. Objectives for 1986 - To complete the study in mid-1986.

3. Annual Objectives for future years

1987 - NA

1988 - NA

1989 - NA

Support for Appropriation Amendments

1985 Appropriation	\$	<u>25,000</u>
Actual Expenditures		<u>966</u>
Balance (4-30-85)		<u>24,034</u>
Additional Funding (Step)		<u>50,000</u>

Text for the Rationale

Additional funds are needed to conduct the study over a larger number of lift stations which, also require a review of electrical systems.

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$	\$	\$ 966	\$ 966
1985			10,000	10,000
First Quarter 1986			19,034	19,034
Second Quarter 1986			15,000	15,000
Third Quarter 1986			15,000	15,000
Fourth Quarter 1986			15,000	15,000
1987				
1988				
1989				
Total	\$	\$	\$ 75,000	\$ 75,000

Project Number 83-57

Title Metering and Lift Station System  
Improvements

History of Authorization: Approved as a study in the 1983 Capital Budget.

Project Description: This project is to provide a new computer and associated equipment for the Alarm/Telemetry System for use in monitoring flows through the meters and the alarm system in the lift stations. The existing system has become obsolete and is difficult to maintain and to expand.

Project Status and Objectives:

1. Current Status (Step I) - The plans and specifications will be completed in late 1985.
2. Objectives for 1986 - To initiate the project in early 1986.
3. Annual Objectives for future years  
1987 - To complete the project in mid-1987 to provide for a more reliable data logging and monitoring system.  
1988 - NA  
1989 - NA

Support for Appropriation Amendments

Text for the Rationale

1985 Appropriation	\$ <u>250,000</u>
Actual Expenditures	<u>38,781</u>
Balance (4-30-85)	<u>211,219</u>
Additional Funding (Step)	<u>2,000,000</u>

Additional funds are needed to provide for the construction phase.

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ <u>          </u>	\$ <u>          </u>	\$ <u>24,594</u>	\$ <u>24,594</u>
1985	<u>          </u>	<u>          </u>	<u>100,000</u>	<u>100,000</u>
First Quarter 1986	<u>          </u>	<u>          </u>	<u>100,000</u>	<u>100,000</u>
Second Quarter 1986	<u>          </u>	<u>          </u>	<u>200,000</u>	<u>200,000</u>
Third Quarter 1986	<u>          </u>	<u>          </u>	<u>400,000</u>	<u>400,000</u>
Fourth Quarter 1986	<u>          </u>	<u>          </u>	<u>300,000</u>	<u>300,000</u>
1987	<u>          </u>	<u>          </u>	<u>1,125,406</u>	<u>1,125,406</u>
1988	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1989	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Total	\$ <u>          </u>	\$ <u>          </u>	\$ <u>2,250,000</u>	\$ <u>2,250,000</u>

Project Number 83-58Title MWWTP DisinfectionHistory of Authorization: Included in the Development Program as an amendment in 1984.

Project Description: The NPDES permit requires compliance with stringent effluent chlorine residual standards by June 1, 1986. It also requires construction of such facilities to be started 1/1/85. Engineering design was initiated in Jan., 1984, and was completed in mid-1984. The design provides new dechlorination facilities using sulfur dioxide. The project includes improvements to existing chlorination process to make it compatible with dechlorination and plant-wide practices such as computer control. The project also includes a stormwater outfall and modifications to remove stormwater from the chlorine contact channel.

Project Status and Objectives:

1. Current Status (Step III) - The project is under construction.
2. Objectives for 1986 - To complete the construction in mid-1986 and in accord with the requirements of the permit.
3. Annual Objectives for future years
  - 1987 - NA
  - 1988 - NA
  - 1989 - NA

Support for Appropriation AmendmentsText for the Rationale

1985 Appropriation	\$ <u>5,500,000.</u>
Actual Expenditures	<u>763,227</u>
Balance (4-30-85)	<u>4,736,783</u>
Additional Funding (Step)	<u>NONE</u>

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ _____	\$ _____	\$ 682,207	\$ 682,207
1985	_____	_____	3,998,234	3,998,234
First Quarter 1986	_____	_____	200,000	200,000
Second Quarter 1986	_____	_____	100,000	100,000
Third Quarter 1986	_____	_____	519,559	519,559
Fourth Quarter 1986	_____	_____	_____	_____
1987	_____	_____	_____	_____
1988	_____	_____	_____	_____
1989	_____	_____	_____	_____
Total	\$ _____	\$ _____	\$ 5,500,000	\$ 5,500,000

Project Number 83-59Title Medina InterceptorHistory of Authorization: Included in the Development Program by amendment in 1983.

Project Description: This project is proposed to provide for a new lift station and forcemain system to allow the phase-out of the existing Medina Plant. The interceptor forcemain will extend from the existing plant site to an existing Plymouth trunk sewer. The interceptor to phase-out the Medina Plant is necessary in view of the recent failure of the lagoons which has resulted in discharges to Elm Creek. The plant's seepage ponds are located in a low land and a high water table. The pond's capability to function as a seepage pond was seriously altered when repairs were made to the dikes. The plant does not have adequate capacity for the current flows and needs to be phased-out of service.

Project Status and Objectives:

1. Current Status (Step III) - The project will be completed in 1985.
2. Objectives for 1986 - NA
3. Annual Objectives for future years
  - 1987 - NA
  - 1988 - NA
  - 1989 - NA

Support for Appropriation AmendmentsText for the Rationale

1985 Appropriation	\$ <u>1,625,000</u>
Actual Expenditures	<u>1,263,778</u>
Balance (4-30-85)	<u>361,222</u>
Additional Funding (Step)	<u>-0-</u>

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ _____	\$ _____	\$ 1,169,309	\$ 1,169,309
1985	_____	_____	455,691	455,691
First Quarter 1986	_____	_____	_____	_____
Second Quarter 1986	_____	_____	_____	_____
Third Quarter 1986	_____	_____	_____	_____
Fourth Quarter 1986	_____	_____	_____	_____
1987	_____	_____	_____	_____
1988	_____	_____	_____	_____
1989	_____	_____	_____	_____
Total	\$ _____	\$ _____	\$ 1,625,000	\$ 1,625,000

Project Number 83-60

Title Mendota Lift Station & Interceptor

History of Authorization: Included in the Development Program by amendment in 1983.

Project Description: The interceptor will consist of a lift station constructed on Second Street between E Street and F Street, approximately 2,000 ft. of forcemain paralleling Second Street and State Highway 13 and 2,600 ft. of 8-inch gravity pipe also paralleling State Highway 13. The interceptor will discharge to a manhole located at Lexington Avenue and State Highway 13. The interceptor is necessary to eliminate existing on-site system pollution problems.

Project Status and Objectives:

1. Current Status (Step III) - The project completed in 1985.
2. Objectives for 1986 - NA
3. Annual Objectives for future years
  - 1987 - NA
  - 1988 - NA
  - 1989 - NA

Support for Appropriation Amendments

Text for the Rationale

1985 Appropriation	\$ <u>400,000</u>
Actual Expenditures	<u>349,900</u>
Balance (4-30-85)	<u>50,100</u>
Additional Funding (Step)	<u>-0-</u>

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ _____	\$ _____	\$ 364,270	\$ 364,270
1985	_____	_____	35,730	35,730
First Quarter 1986	_____	_____	_____	_____
Second Quarter 1986	_____	_____	_____	_____
Third Quarter 1986	_____	_____	_____	_____
Fourth Quarter 1986	_____	_____	_____	_____
1987	_____	_____	_____	_____
1988	_____	_____	_____	_____
1989	_____	_____	_____	_____
Total	\$ _____	\$ _____	\$ 400,000	\$ 400,000



Project Number 83-61Title Lino Lake InterceptorHistory of Authorization: Included in the Development Program by amendment in 1983.

Project Description: The project consists of constructing 2,000 ft. of gravity interceptor extension to serve Lino Lakes' Urban Service District No. 2. The need for the Lino Lakes Interceptor Extension to serve the projected wastewater flow from Lino Lakes' Urban Service District No. 2, is based on Lino Lakes' Comprehensive Plan. The City of Lino Lakes has also documented numerous failures of on-site systems in in this area.

Project Status and Objectives:

1. Current Status (Step III) - The plans and specifications have been completed. The project is to be bidded in late 1985.
2. Objectives for 1986 - To complete the construction in mid-1986.
3. Annual Objectives for future years

1987 - NA

1988 - NA

1989 - NA

Support for Appropriation AmendmentsText for the Rationale

1985 Appropriation	\$	<u>290,000</u>
Actual Expenditures		<u>6,660</u>
Balance (4-30-85)		<u>283,340</u>
Additional Funding (Step III)		<u>100,000</u>

Additional funds are needed to provide funds for the total project based on more detailed construction costs.

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$	\$	6,495	\$ 6,495
1985			20,000	20,000
First Quarter 1986			200,000	200,000
Second Quarter 1986			100,000	100,000
Third Quarter 1986			63,505	63,505
Fourth Quarter 1986				
1987				
1988				
1989				
Total	\$	\$	390,000	\$ 390,000

Project Number 83-62 Title Ramsey Second Connection

History of Authorization: Included in the Development Program by amendment in 1983.

Project Description: The project consists of constructing a second metropolitan interceptor to serve the eastern portion of Ramsey, within the Rum River Watershed. The proposed 2900' gravity interceptor will extend from the Anoka Interceptor just west of Highway 47 in Anoka, north to the community border of Ramsey near Highway 47 in Anoka.

Project Status and Objectives:

1. Current Status (Step III) - Project will be completed in 1985.

2. Objectives for 1986 - NA

3. Annual Objectives for future years

1987 - NA

1988 - NA

1989 - NA

Support for Appropriation Amendments

Text for the Rationale

1985 Appropriation \$ 485,000

Actual Expenditures 461,921

Balance (4-30-85) 23,079

Additional Funding -0-  
(Step)

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ <u>          </u>	\$ <u>          </u>	\$ <u>164,999</u>	\$ <u>164,999</u>
1985	<u>          </u>	<u>          </u>	<u>320,001</u>	<u>320,001</u>
First Quarter 1986	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Second Quarter 1986	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Third Quarter 1986	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Fourth Quarter 1986	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1987	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1988	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1989	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Total	\$ <u>          </u>	\$ <u>          </u>	\$ <u>485,000</u>	\$ <u>485,000</u>

Project Number 83-65 Title Miscellaneous Capital Improvements

History of Authorization: Approved as a project in the 1983 Capital Budget.

Project Description: This program provides for additional miscellaneous improvements to the wastewater treatment plants and the interceptor system. The projects are proposed to provide for more effective operations and eliminate deficiencies in the system.

Project Status and Objectives:

1. Current Status (Step II & III) - The miscellaneous projects are essentially complete except for about six projects.
2. Objectives for 1986 - To complete the remaining six projects and provide the needed improvements to the system.
3. Annual Objectives for future years  
1987 - NA  
1988 - NA  
1989 - NA

Support for Appropriation Amendments

Text for the Rationale

1985 Appropriation	\$ <u>3,050,213</u>
Actual Expenditures	<u>1,365,337</u>
Balance (4-30-85)	<u>1,684,876</u>
Additional Funding (Step)	<u>NONE</u>

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ _____	\$ _____	\$ 1,292,004	\$ 1,292,004
1985	_____	_____	1,264,047	1,264,047
First Quarter 1986	_____	_____	125,000	125,000
Second Quarter 1986	_____	_____	125,000	125,000
Third Quarter 1986	_____	_____	125,000	125,000
Fourth Quarter 1986	_____	_____	119,162	119,162
1987	_____	_____	_____	_____
1988	_____	_____	_____	_____
1989	_____	_____	_____	_____
Total	\$ _____	\$ _____	\$ 3,050,213	\$ 3,050,213

Project 83-65 Miscellaneous Capital Improvements

Description: This program provides for additional miscellaneous improvements to the wastewater treatment plants and the interceptor systems. The projects are proposed to provide for more effective operations and eliminate deficiencies in the system.

<u>Project</u>	<u>1985 Capital Project Cost</u>
Administration - Consists of completed projects, general investigations of need for improvements, preliminary engineering and small projects.	\$ 815,906
Lift Stations - Consists of: Coon Rapids Lift Station Pump Replacement.	166,000
South St. Paul Plant Demolition - Consists of work necessary to demolish most of the existing structures.	200,000
Metro R&D Facility in F&I #1 - Provides office and lab improvements for the research and development staff.	115,000
Shoreview Interceptor Improvements - Consists of a new interceptor under the highway to replace our existing section of line.	200,000
Ventilation Improvements for ID Fan Room 7-10 - Consists of prevention of overheating of fan drives.	70,000
Fire Protection System for the Sludge Processing Building - Consists of standpipe system for fire-fighting.	68,000
MWWTP Compressor Building Surge Protection Equipment - Consists of protection of compressor motors.	110,000
Truck Scale for Sludge Hauling - Consists of scale, pit and electronics to monitor sludge spreading program.	90,000
Savage Meter Station Improvements - Provides for Commission meter to determine flow from a collection system.	30,000
Anoka Plant Improvements - Consists of upgrading raw wastewater pumping, provide additional aeration capacity, chlorination improvements, and miscellaneous minor instrumentation.	144,514
Empire Plant Improvements - Consists of a digester access opening, digester liquid level sensors, centrate line modification, power factor correction, influent sampler flow pacing, digester number 4 cover improvements, plant flow meter modifications, blower building MOC cooling system, extended aeration modifications, filter building hoist, and bar screen maintenance platforms.	333,793
South St. Paul WWTP Phase-out.	437,000
St. Paul Interceptor Improvements	<u>270,000</u>
SUBTOTAL:	<u>\$3,050,213</u>

Project Number 84-51Title New Brighton InterceptorHistory of Authorization: Approved as an amendment to the development program in 1984.

Project Description: The proposed project consists of about 3,000 ft. of gravity interceptor to provide metropolitan sewer service to the northern portion of Arden Hills. The proposed interceptor will connect to the Arden Hills collection system at the boundary and convey the flow to the existing trunk sewer of New Brighton which is scheduled to be acquired by the Commission. The alignment will be generally along the north side of I-694 and between I-35W and westerly to the existing trunk sewer near the railroad.

Project Status and Objectives:

1. Current Status (Step III) - The plans and specifications have been completed.

2. Objectives for 1986 - Objective is to substantially complete the project in 1985. However, additional expenditures will be required for related work until 1987.

3. Annual Objectives for future years

1987 - NA

1988 - NA

1989 - NA

Support for Appropriation Amendments

1985 Appropriation	\$	<u>500,000</u>
Actual Expenditures		<u>5,806</u>
Balance (4-30-85)		<u>494,144</u>
Additional Funding (Step III)		<u>250,000</u>

Text for the Rationale

The additional funds are needed to provide for the total cost of the project. The project will be more costly because of documented poor foundation conditions.

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$	\$	\$ 5,409	\$ 5,409
1985			35,000	35,000
First Quarter 1986			100,000	100,000
Second Quarter 1986			100,000	100,000
Third Quarter 1986			100,000	100,000
Fourth Quarter 1986			100,000	100,000
1987			309,591	309,591
1988				
1989				
Total	\$	\$	\$ 750,000	\$ 750,000

Project Number 85-51 Title Rosemount Plant

History of Authorization: Included in the 1984-1988 Development Program.

Project Description: Consists of a project for a new plant to replace the existing facilities. The type of plant will be evaluated in a design study to determine the most cost-effective alternative prior to design.

Project Status and Objectives:

1. Current Status (Step II) - The plans and specifications are scheduled for completion on December 1, 1985.
2. Objectives for 1986 - To initiate construction of the project in early 1986.
3. Annual Objectives for future years
  - 1987 - To complete construction in late 1986.
  - 1988 - NA
  - 1989 - NA

Support for Appropriation Amendments

Text for the Rationale

1985 Appropriation	\$ <u>300,000</u>
Actual Expenditures	<u>59</u>
Balance (4-30-85)	<u>299,941</u>
Additional Funding (Step III)	<u>5,000,000</u>

Additional funds are needed to provide for the construction phase.

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ _____	\$ _____	\$ -0-	\$ -0-
1985	_____	_____	175,000	175,000
First Quarter 1986	_____	_____	10,000	10,000
Second Quarter 1986	_____	_____	50,000	50,000
Third Quarter 1986	_____	_____	140,000	140,000
Fourth Quarter 1986	_____	_____	800,000	800,000
1987	_____	_____	2,000,000	2,000,000
1988	_____	_____	2,125,000	2,125,000
1989	_____	_____	_____	_____
Total	\$ _____	\$ _____	\$ 5,300,000	\$ 5,300,000

Project Number 85-52

Title Seneca Sludge Handling Improvements

History of Authorization: Included in the 1984-1988 Development Program.

Project Description: Project consists of a two additional belt presses and a waste activated sludge thickening units to handle the average solids loading. The existing units are available to handle the peak loads. Project includes improvements to the existing Diffused Air Flotation Thickeners as necessary to provide for proper operation. Project includes building and all appurtenances.

Project Status and Objectives:

1. Current Status (Step II) - The plans and specifications will be initiated in the second half of 1985.
2. Objectives for 1986 - To complete the plans and specifications in mid-1986.
3. Annual Objectives for future years  
1987 - To continue construction.  
1988 - To complete construction in 1988 and provide additional capacity and energy conservation for the sludge handling facilities.  
1989 - NA

Support for Appropriation Amendments

Text for the Rationale

1985 Appropriation	\$ <u>300,000</u>
Actual Expenditures	<u>832</u>
Balance (4-30-85)	<u>299,168</u>
Additional Funding (Step III)	<u>-0-</u>

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ <u>          </u>	\$ <u>          </u>	\$ <u>-0-</u>	\$ <u>-0-</u>
1985	<u>          </u>	<u>          </u>	<u>100,000</u>	<u>100,000</u>
First Quarter 1986	<u>          </u>	<u>          </u>	<u>100,000</u>	<u>100,000</u>
Second Quarter 1986	<u>          </u>	<u>          </u>	<u>100,000</u>	<u>100,000</u>
Third Quarter 1986	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Fourth Quarter 1986	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1987	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1988	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1989	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Total	\$ <u>          </u>	\$ <u>          </u>	\$ <u>300,000</u>	\$ <u>300,000</u>

Project Number 85-53

Title Metro Plant Water Supply Improvements

History of Authorization: Included in the 1981-1986 Development Program.

Project Description: Consists of a design for a new watermain to supply the needs at the Metro Plant. The plant is currently served by a small city main which is not adequate for fire protection. The new line would be about 350 ft. in length and be about 12 inches in diameter and run parallel to the existing water supply line.

Project Status and Objectives:

1. Current Status (Step II) - The plans and specifications will be initiated in late 1985.
2. Objectives for 1986 - To complete the plans and specifications in mid-1986 and complete construction in late 1986.

3. Annual Objectives for future years

1987 - NA

1988 - NA

1989 - NA

Support for Appropriation Amendments

Text for the Rationale

1985 Appropriation	\$ <u>100,000</u>
Actual Expenditures	<u>357</u>
Balance (4-30-85)	<u>99,643</u>
Additional Funding (Step III)	<u>350,000</u>

Additional funds are needed to fund the construction phase of the project.

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ <u>          </u>	\$ <u>          </u>	\$ <u>-0-</u>	\$ <u>-0-</u>
1985	<u>          </u>	<u>          </u>	<u>50,000</u>	<u>50,000</u>
First Quarter 1986	<u>          </u>	<u>          </u>	<u>50,000</u>	<u>50,000</u>
Second Quarter 1986	<u>          </u>	<u>          </u>	<u>100,000</u>	<u>100,000</u>
Third Quarter 1986	<u>          </u>	<u>          </u>	<u>100,000</u>	<u>100,000</u>
Fourth Quarter 1986	<u>          </u>	<u>          </u>	<u>150,000</u>	<u>150,000</u>
1987	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1988	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1989	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Total	\$ <u>          </u>	\$ <u>          </u>	\$ <u>450,000</u>	\$ <u>450,000</u>



Project Number 85-54Title Blue Lake Plant ExpansionHistory of Authorization: To be included in the 1986-1990 Development Program.

Project Description: Consists of a study to provide technical and cost evaluations for various treatment alternatives, in support of MWCC at public hearings on Minnesota River waste load allocation. Revise the facility plan to reflect facilities needed to comply with final water quality based effluent limits and future needs of the area. The study will be used as the basis for design of the expansion facilities.

Project Status and Objectives:

1. Current Status (Step I) - The study will be initiated in the second half of 1985.
2. Objectives for 1986 - To complete the study in early 1986.
3. Annual Objectives for future years

1987 - NA

1988 - NA

1989 - NA

Support for Appropriation AmendmentsText for the Rationale1985 Appropriation \$ 100,000Actual Expenditures -0-Balance (4-30-85) 100,000Additional Funding -0-  
(Step II)Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ <u>          </u>	\$ <u>          </u>	\$ <u>-0-</u>	\$ <u>-0-</u>
1985	<u>          </u>	<u>          </u>	<u>50,000</u>	<u>50,000</u>
First Quarter 1986	<u>          </u>	<u>          </u>	<u>50,000</u>	<u>50,000</u>
Second Quarter 1986	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Third Quarter 1986	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Fourth Quarter 1986	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1987	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1988	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1989	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Total	\$ <u>          </u>	\$ <u>          </u>	\$ <u>100,000</u>	\$ <u>100,000</u>

Project Number 85-55

Title Empire Plant Expansion & Modifications

History of Authorization: To be included in the 1986-1990 Development Program.

Project Description: Consists of a study to evaluate alternatives to meet plant expansion needs, residual chlorine effluent limit, including dechlorination and ultraviolet radiation disinfection. Re-evaluate reflect seasonally less stringent effluent limits on BOD and ammonia.

Project Status and Objectives:

1. Current Status (Step I) - The study will be completed in late 1985.

2. Objectives for 1986 -

3. Annual Objectives for future years

1987 - NA

1988 - NA

1989 - NA

Support for Appropriation Amendments

Text for the Rationale

1985 Appropriation \$ 100,000

Actual Expenditures 1,579

Balance (4-30-85) 98,421

Additional Funding -0-  
(Step II)

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ _____	\$ _____	\$ <u>-0-</u>	\$ <u>-0-</u>
1985	_____	_____	<u>100,000</u>	<u>100,000</u>
First Quarter 1986	_____	_____	_____	_____
Second Quarter 1986	_____	_____	_____	_____
Third Quarter 1986	_____	_____	_____	_____
Fourth Quarter 1986	_____	_____	_____	_____
1987	_____	_____	_____	_____
1988	_____	_____	_____	_____
1989	_____	_____	_____	_____
Total	\$ _____	\$ _____	\$ <u>100,000</u>	\$ <u>100,000</u>

Project Number 85-56Title Metro Plant Performance StudyHistory of Authorization: The study was approved in the 1985 Capital Budget.

Project Description: Consists of a study to define critical factors affecting plant performance. Assess impacts of on-going construction projects and assess routine maintenance needs. Develop treatment capacity models. Select appropriate sets of potential water quality based effluent limits. Project plant performance capability for each set of effluent limits. Define additional process evaluation studies. Evaluate short-term capital improvements, such as flow equalization, chemical feed process modifications, fine bubble aeration equipment, and final settling tanks.

Project Status and Objectives:

1. Current Status (Step I) - The study will be continued through 1985.
2. Objectives for 1986 - To complete the study in early 1986 and in accord with the permit requirements.
3. Annual Objectives for future years

1987 - NA

1988 - NA

1989 - NA

Support for Appropriation AmendmentsText for the Rationale1985 Appropriation \$ 300,000Actual Expenditures 31,911Balance (4-30-85) 268,089Additional Funding NONE  
(Step)Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ <u>          </u>	\$ <u>          </u>	\$ <u>-0-</u>	\$ <u>-0-</u>
1985	<u>          </u>	<u>          </u>	<u>200,000</u>	<u>200,000</u>
First Quarter 1986	<u>          </u>	<u>          </u>	<u>50,000</u>	<u>50,000</u>
Second Quarter 1986	<u>          </u>	<u>          </u>	<u>50,000</u>	<u>50,000</u>
Third Quarter 1986	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Fourth Quarter 1986	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1987	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1988	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1989	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Total	\$ <u>          </u>	\$ <u>          </u>	\$ <u>300,000</u>	\$ <u>300,000</u>

Project Number 85-56 (cont.)

Title Mississippi River Quality Assessment

History of Authorization: The study was approved in the 1985 Capital Budget.

Project Description: Consists of a study to conduct an intensive river survey in Summer, 1985, to collect data for reverification of a computer model. The computer model refinement, including literature search on selected topics, field studies relative to deoxygenation rate and nitrification rate in the river, and other special studies. Supplementary assessment topics, including compliance issues, priority pollutants, monitoring and upstream water quality.

Project Status and Objectives:

1. Current Status (Step I) - The study has not been initiated.

2. Objectives for 1986 - To initiate the study.

3. Annual Objectives for future years

1987 - To complete the study.

1988 - NA

1989 - NA

Support for Appropriation Amendments

Text for the Rationale

1985 Appropriation \$ 150,000

Actual Expenditures -0-

Balance (4-30-85) 150,000

Additional Funding NONE  
(Step)

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ <u>          </u>	\$ <u>          </u>	\$ <u>-0-</u>	\$ <u>-0-</u>
1985	<u>          </u>	<u>          </u>	<u>-0-</u>	<u>-0-</u>
First Quarter 1986	<u>          </u>	<u>          </u>	<u>-0-</u>	<u>-0-</u>
Second Quarter 1986	<u>          </u>	<u>          </u>	<u>25,000</u>	<u>25,000</u>
Third Quarter 1986	<u>          </u>	<u>          </u>	<u>50,000</u>	<u>50,000</u>
Fourth Quarter 1986	<u>          </u>	<u>          </u>	<u>50,000</u>	<u>50,000</u>
1987	<u>          </u>	<u>          </u>	<u>25,000</u>	<u>25,000</u>
1988	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1989	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Total	\$ <u>          </u>	\$ <u>          </u>	\$ <u>150,000</u>	\$ <u>150,000</u>

Project Number 85-56 (cont.) Title MWWTP Plant Odor Assessment Control

History of Authorization: The study was approved in the 1985 Capital Budget.

Project Description: Consists of a study to compile and evaluate information on design, construction, and operations of sludge incinerators and other solids processing facilities. Evaluate results from odor monitoring program and operating program for sludge incinerators. Conduct special odor surveys and air dispersion modeling. Evaluate odor control alternatives. Recommend plan of action for odor control, considering various methods of residual solids management, i.e., land application, composting and incineration/energy recovery.

Project Status and Objectives:

1. Current Status (Step I) - The formal study has not been initiated.
2. Objectives for 1986 - To initiate the study.
3. Annual Objectives for future years  
1987 - To complete the study and provide information to control the odors.  
1988 - NA  
1989 - NA

Support for Appropriation Amendments

Text for the Rationale

1985 Appropriation	\$ <u>20,000</u>
Actual Expenditures	<u>-0-</u>
Balance (4-30-85)	<u>20,000</u>
Additional Funding (Step I)	<u>130,000</u>

Additional funds are needed to fund the comprehensive study. The total funding in Program 85-56 provided by the year 1985 budget is not adequate to conduct all studies.

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ <u>          </u>	\$ <u>          </u>	\$ <u>-0-</u>	\$ <u>-0-</u>
1985	<u>          </u>	<u>          </u>	<u>-0-</u>	<u>-0-</u>
First Quarter 1986	<u>          </u>	<u>          </u>	<u>-0-</u>	<u>-0-</u>
Second Quarter 1986	<u>          </u>	<u>          </u>	<u>10,000</u>	<u>10,000</u>
Third Quarter 1986	<u>          </u>	<u>          </u>	<u>10,000</u>	<u>10,000</u>
Fourth Quarter 1986	<u>          </u>	<u>          </u>	<u>30,000</u>	<u>30,000</u>
1987	<u>          </u>	<u>          </u>	<u>100,000</u>	<u>100,000</u>
1988	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1989	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Total	\$ <u>          </u>	\$ <u>          </u>	\$ <u>150,000</u>	\$ <u>150,000</u>

Project Number 85-56 (cont.) Title Residual Solids Management

History of Authorization: The study was approved in the 1985 Capital Budget.

Project Description: Develop a plan for sludge ash management, including ash recycling and backup ash landfilling. Evaluate feasible operating modes and costs. Perform market studies and product development work needed to achieve full-scale ash utilization in asphalt or other recycling methods. Assimilate, evaluate, and recommend actions regarding optimum use of the Metro Plant site for various competing uses, such as ash storage, dried sludge storage, emergency dewatered sludge storage and supplemental composting program. Integrate odor control and sludge loadout improvements.

Project Status and Objectives:

1. Current Status (Step I) - The formal study has not been initiated.
2. Objectives for 1986 - To initiate and complete the study.
3. Annual Objectives for future years

1987 - NA

1988 - NA

1989 - NA

Support for Appropriation Amendments

Text for the Rationale

1985 Appropriation	\$ <u>10,000</u>
Actual Expenditures	<u>-0-</u>
Balance (4-30-85)	<u>10,000</u>
Additional Funding (Step I)	<u>140,000</u>

Additional funds are needed to fund the study. The total funding in Program 85-56 provided in the 1985 budget is not adequate to conduct all of the studies.

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ _____	\$ _____	\$ -0-	\$ -0-
1985	_____	_____	-0-	-0-
First Quarter 1986	_____	_____	25,000	25,000
Second Quarter 1986	_____	_____	25,000	25,000
Third Quarter 1986	_____	_____	50,000	50,000
Fourth Quarter 1986	_____	_____	50,000	50,000
1987	_____	_____	_____	_____
1988	_____	_____	_____	_____
1989	_____	_____	_____	_____
Total	\$ _____	\$ _____	\$ 150,000	\$ 150,000

Project Number 85-56 (cont.)

Title Metro Plant F & I No. 1 Modifications

History of Authorization: The study was approved in the 1985 Capital Budget.

Project Description: Evaluate potential uses of F&I No. 1 building, including continued backup status of existing equipment; removal of existing equipment and conversion to other uses, such as sludge loadout and/or sludge loadin fcility, ware-house space, lockers and showers, laboratory, training areas, offices, etc; demolition of unused portions of the building and reserving space for future expansion.

Project Status and Objectives:

1. Current Status (Step I) - The study has not been initiated.

2. Objectives for 1986 - To initiate and complete the study.

3. Annual Objectives for future years

1987 - NA

1988 - NA

1989 - Na

Support for Appropriation Amendments

1985 Appropriation	\$ <u>10,000</u>
Actual Expenditures	<u>-0-</u>
Balance (4-30-85)	<u>10,000</u>
Additional Funding (Step I)	<u>15,000</u>

Text for the Rationale

Additional funds are needed to tend the study because the total funding in Program 85-56 is not adequate to conduct all the studies.

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ _____	\$ _____	\$ -0-	\$ -0-
1985	_____	_____	-0-	-0-
First Quarter 1986	_____	_____	-0-	-0-
Second Quarter 1986	_____	_____	10,000	10,000
Third Quarter 1986	_____	_____	10,000	10,000
Fourth Quarter 1986	_____	_____	5,000	5,000
1987	_____	_____	_____	_____
1988	_____	_____	_____	_____
1989	_____	_____	_____	_____
Total	\$ _____	\$ _____	\$ 25,000	\$ 25,000

Project Number 85-56 (cont.) Title Metro Plant Pumping Station Improvements

History of Authorization: The study was approved in the 1985 Capital Budget.

Project Description: Evaluate capacity of existing pumps and their operation and maintenance. Analyze cost of providing one standby pump (no standby pump available now) and of providing full 655 mgd pumping capacity (current capacity has been estimated at 585 mgd using all five pumps). Assess impact of bypassing when existing pump capacity is exceeded.

Project Status and Objectives:

1. Current Status (Step I) - The study has not been initiated.

2. Objectives for 1986 - To initiate and complete the study.

3. Annual Objectives for future years

1987 - NA

1988 - NA

1989 - NA

Support for Appropriation Amendments

1985 Appropriation	\$ <u>10,000</u>
Actual Expenditures	<u>-0-</u>
Balance (4-30-85)	<u>10,000</u>
Additional Funding (Step I)	<u>15,000</u>

Text for the Rationale

Additional funds are needed to fund the study because the previously allocated funds in Program 85-56 are not adequate for all studies.

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ <u>          </u>	\$ <u>          </u>	\$ <u>-0-</u>	\$ <u>-0-</u>
1985	<u>          </u>	<u>          </u>	<u>-0-</u>	<u>-0-</u>
First Quarter 1986	<u>          </u>	<u>          </u>	<u>-0-</u>	<u>-0-</u>
Second Quarter 1986	<u>          </u>	<u>          </u>	<u>5,000</u>	<u>5,000</u>
Third Quarter 1986	<u>          </u>	<u>          </u>	<u>10,000</u>	<u>10,000</u>
Fourth Quarter 1986	<u>          </u>	<u>          </u>	<u>10,000</u>	<u>10,000</u>
1987	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1988	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1989	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Total	\$ <u>          </u>	\$ <u>          </u>	\$ <u>25,000</u>	\$ <u>25,000</u>



Project Number 85-57Title Seneca Plant StudyHistory of Authorization: The study was approved in the 1985 Capital Budget.

Project Description: Consists of providing technical and cost evaluations for various treatment limits, in support of MWOC at public hearings on Minnesota River waste load allocation. Revise the facility plan to reflect facilities needed to comply with final water quality based effluent limits and future needs of the area.

Project Status and Objectives:

1. Current Status (Step I) - The study has not been initiated.

2. Objectives for 1986 - To initiate and complete the study.

3. Annual Objectives for future years

1987 - NA

1988 - NA

1989 - NA

Support for Appropriation AmendmentsText for the Rationale1985 Appropriation \$ 100,000Actual Expenditures 225Balance (4-30-85) 99,775Additional Funding NONE  
(Step)Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ <u>          </u>	\$ <u>          </u>	\$ <u>-0-</u>	\$ <u>-0-</u>
1985	<u>          </u>	<u>          </u>	<u>1,000</u>	<u>1,000</u>
First Quarter 1986	<u>          </u>	<u>          </u>	<u>10,000</u>	<u>10,000</u>
Second Quarter 1986	<u>          </u>	<u>          </u>	<u>20,000</u>	<u>20,000</u>
Third Quarter 1986	<u>          </u>	<u>          </u>	<u>30,000</u>	<u>30,000</u>
Fourth Quarter 1986	<u>          </u>	<u>          </u>	<u>39,000</u>	<u>39,000</u>
1987	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1988	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1989	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Total	\$ <u>          </u>	\$ <u>          </u>	\$ <u>100,000</u>	\$ <u>100,000</u>

Project Number 85-58 Title Service Area #1 Study for Regulator System Improvements

History of Authorization: The study was approved in the 1985 Capital Budget.

Project Description: Consists of a study to physically inspect all regulators. Document electrical, mechanical, structural, hydraulic and safety deficiencies, such as explosion-proof electrical systems, adequate ventilation, lighting, access, and work space. Update available documentation (record drawings) as necessary. Conduct hydraulic analysis of regulators individually and as a system and assess the condition and operational benefits versus costs of the fabridams versus fixed weirs.

Project Status and Objectives:

1. Current Status (Step I) - The study has not been initiated.

2. Objectives for 1986 - To initiate and complete the study.

3. Annual Objectives for future years

1987 - NA

1988 - NA

1989 - NA

Support for Appropriation Amendments

Text for the Rationale

1985 Appropriation \$ 100,000

Actual Expenditures -0-

Balance (4-30-85) 100,000

Additional Funding NONE  
(Step)

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ <u>          </u>	\$ <u>          </u>	\$ <u>-0-</u>	\$ <u>-0-</u>
1985	<u>          </u>	<u>          </u>	<u>-0-</u>	<u>-0-</u>
First Quarter 1986	<u>          </u>	<u>          </u>	<u>10,000</u>	<u>10,000</u>
Second Quarter 1986	<u>          </u>	<u>          </u>	<u>20,000</u>	<u>20,000</u>
Third Quarter 1986	<u>          </u>	<u>          </u>	<u>30,000</u>	<u>30,000</u>
Fourth Quarter 1986	<u>          </u>	<u>          </u>	<u>40,000</u>	<u>40,000</u>
1987	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1988	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1989	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Total	\$ <u>          </u>	\$ <u>          </u>	\$ <u>100,000</u>	\$ <u>100,000</u>

Project Number 85-59

Title Meter Station Improvements

History of Authorization: The study was approved in the 1985 Capital Budget.

Project Description: Consists of a project to physically inspect all meter stations. Document electrical, mechanical, and hydraulic deficiencies. Evaluate flow meter records and other flow-related information available in MWCC records. Evaluate maintenance history of metering stations. Recommend improvements to each metering station, as necessary. Evaluate unmetered area flows and hydraulic conditions and determine feasibility of metering additional flows.

Project Status and Objectives:

1. Current Status (Step I) - The study is in progress and will be completed in late 1985.
2. Objectives for 1986 -
3. Annual Objectives for future years
  - 1987 -
  - 1988 - NA
  - 1989 - NA

Support for Appropriation Amendments

Text for the Rationale

1985 Appropriation	\$ <u>50,000</u>
Actual Expenditures	<u>5,160</u>
Balance (4-30-85)	<u>44,840</u>
Additional Funding (Step II)	<u>-0-</u>

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ <u>          </u>	\$ <u>          </u>	\$ <u>-0-</u>	\$ <u>-0-</u>
1985	<u>          </u>	<u>          </u>	<u>50,000</u>	<u>50,000</u>
First Quarter 1986	<u>          </u>	<u>          </u>	<u>-0-</u>	<u>-0-</u>
Second Quarter 1986	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Third Quarter 1986	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Fourth Quarter 1986	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1987	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1988	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1989	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Total	\$ <u>          </u>	\$ <u>          </u>	\$ <u>50,000</u>	\$ <u>50,000</u>

Project Number 85-60 Title Savage Interceptor

History of Authorization: The project was included in the Development Program by amendment in 1985.

Project Description: Consists of an interceptor to phase-out the Savage Plant by the construction of a lift station, forcemain and gravity interceptor. The flow will be diverted to the Seneca Plant.

Project Status and Objectives:

1. Current Status (Step II) - The design is in progress and is schedule for completion in late 1985.
2. Objectives for 1986 - To initiate the construction in mid-1986.
3. Annual Objectives for future years  
1987 - To complete the construction in late 1987.  
1988 - NA  
1989 - NA

Support for Appropriation Amendments

Text for the Rationale

1985 Appropriation \$ 350,000  
Actual Expenditures 1,523  
Balance (4-30-85) 348,477  
Additional Funding 3,820,000  
(Step III)

Additional funds are needed to fund the construction phase of the project.

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ _____	\$ _____	\$ -0-	\$ -0-
1985	_____	_____	200,000	200,000
First Quarter 1986	_____	_____	50,000	50,000
Second Quarter 1986	_____	_____	100,000	100,000
Third Quarter 1986	_____	_____	150,000	150,000
Fourth Quarter 1986	_____	_____	200,000	200,000
1987	_____	_____	1,820,000	1,820,000
1988	_____	_____	1,650,000	1,650,000
1989	_____	_____	_____	_____
Total	\$ _____	\$ _____	\$ 4,170,000	\$ 4,170,000

Project Number 85-61Title Metro Plant Laboratory ModificationsHistory of Authorization: The project was approved in the 1984-1988 Development Program.

Project Description: Consists of the remodeling of the Central Lab (Metro Plant Lab) which will provide additional and improved facilities to: 1) to accommodate increased laboratory activities; 2) to allow for an increase in efficiency of personnel and equipment by centralization; and 3) to better provide for the overall safety and general welfare of laboratory personnel. The modifications are consistent with the long range plans to assign all Quality Control Department personnel to the Metro Plant.

Project Status and Objectives:

1. Current Status (Step III) - The project is in the construction phase.

2. Objectives for 1986 - To Complete the construction

3. Annual Objectives for future years

1987 - NA

1988 - NA

1989 - NA

Support for Appropriation AmendmentsText for the Rationale1985 Appropriation \$ 721,000Actual Expenditures 26,376Balance (4-30-85) 694,624Additional Funding NONE  
(Step)Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ <u>          </u>	\$ <u>          </u>	\$ <u>-0-</u>	\$ <u>-0-</u>
1985	<u>          </u>	<u>          </u>	<u>200,000</u>	<u>200,000</u>
First Quarter 1986	<u>          </u>	<u>          </u>	<u>100,000</u>	<u>100,000</u>
Second Quarter 1986	<u>          </u>	<u>          </u>	<u>150,000</u>	<u>150,000</u>
Third Quarter 1986	<u>          </u>	<u>          </u>	<u>150,000</u>	<u>150,000</u>
Fourth Quarter 1986	<u>          </u>	<u>          </u>	<u>100,000</u>	<u>100,000</u>
1987	<u>          </u>	<u>          </u>	<u>21,000</u>	<u>21,000</u>
1988	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1989	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Total	\$ <u>          </u>	\$ <u>          </u>	\$ <u>721,000</u>	\$ <u>721,000</u>

Project Number 85-62 Title Metro Plant Ash Basin

History of Authorization: The project will be included in the proposed Development Program for Years 1986-1990.

Project Description: Consists of interim ash management at the Metro Plant which is required until the long-term plan, a central ash landfill can be provided. The primary project is to place the fill on the former Pig's Eye landfill area. The fill will be placed so to create a park and provide cover for the landfill area. The park will be the first phase of a future county park around the lake. The other alternative is to build a 50,000 cubic yd. capacity ash basin and associated lining and decant system. The basin would be located in the vicinity of the existing ash basins at the Metro Plant.

Project Status and Objectives:

1. Current Status (Step II & III) - The project is in the plans and specification stage.
2. Objectives for 1986 - Complete plans and specifications.
3. Annual Objectives for future years  
1987 - N/A  
1988 - N/A  
1989 - N/A

Support for Appropriation Amendments

Text for the Rationale

1985 Appropriation	\$ <u>500,000</u>
Actual Expenditures	<u>4,522</u>
Balance (4-30-85)	<u>495,478</u>
Additional Funding (Step III)	<u>-0-</u>

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ <u>          </u>	\$ <u>          </u>	\$ <u>-0-</u>	\$ <u>-0-</u>
1985	<u>          </u>	<u>          </u>	<u>100,000</u>	<u>100,000</u>
First Quarter 1986	<u>          </u>	<u>          </u>	<u>400,000</u>	<u>400,000</u>
Second Quarter 1986	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Third Quarter 1986	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Fourth Quarter 1986	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1987	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1988	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1989	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Total	\$ <u>          </u>	\$ <u>          </u>	\$ <u>500,000</u>	\$ <u>500,000</u>

Project Number 85-63

Title Lakeville Lift Station

History of Authorization: The project was included in the Development Program by amendment in 1985.

Project Description: Consists of a new lift station adjacent to the existing lift station which is over capacity at times. The existing station cannot be expanded and the only alternative is to replace the facility. The new station is needed to service the needs of Apple Valley and Lakeville.

Project Status and Objectives:

1. Current Status (Step II & III) - The preparation of plans and specifications will be initiated in the second half of 1985.
2. Objectives for 1986 - To complete the preparation of plans and specifications and initiate construction.
3. Annual Objectives for future years  
1987 - To complete construction.  
1988 - NA  
1989 - NA

Support for Appropriation Amendments

Text for the Rationale

1985 Appropriation	\$ <u>400,000</u>
Actual Expenditures	<u>2,216</u>
Balance (4-30-85)	<u>397,784</u>
Additional Funding (Step III)	<u>350,000</u>

Additional funds are needed to fund the construction based on more detailed estimates.

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ <u>          </u>	\$ <u>          </u>	\$ <u>-0-</u>	\$ <u>-0-</u>
1985	<u>          </u>	<u>          </u>	<u>50,000</u>	<u>50,000</u>
First Quarter 1986	<u>          </u>	<u>          </u>	<u>50,000</u>	<u>50,000</u>
Second Quarter 1986	<u>          </u>	<u>          </u>	<u>100,000</u>	<u>100,000</u>
Third Quarter 1986	<u>          </u>	<u>          </u>	<u>100,000</u>	<u>100,000</u>
Fourth Quarter 1986	<u>          </u>	<u>          </u>	<u>100,000</u>	<u>100,000</u>
1987	<u>          </u>	<u>          </u>	<u>350,000</u>	<u>350,000</u>
1988	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
1989	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Total	\$ <u>          </u>	\$ <u>          </u>	\$ <u>750,000</u>	\$ <u>750,000</u>

Project Number 85-65

Title Miscellaneous Capital Improvements

History of Authorization: The project was included in the 1985 Capital Budget.

Project Description: This program provides for additional miscellaneous improvements to the wastewater treatment plant and the interceptor systems. The projects are proposed to provide for more effective operations and eliminate deficiencies in the system.

Project Status and Objectives:

1. Current Status (Step II & III) - Several designs have been completed and construction of these projects has been initiated.
2. Objectives for 1986 - To initiate and construct the remaining projects in the programs.

3. Annual Objectives for future years

1987 - NA

1988 - NA

1989 - NA

Support for Appropriation Amendments

Text for the Rationale

1985 Appropriation	\$ 1,000,000
Actual Expenditures	2,768
Balance (4-30-85)	997,232
Additional Funding (Step III)	200,000

Additional funds are needed to provide for the designs and construction based on more detailed information. The funds previously authorized are not adequate for all the projects.

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$	\$	\$ -0-	\$ -0-
1985			500,000	500,000
First Quarter 1986			200,000	200,000
Second Quarter 1986			200,000	200,000
Third Quarter 1986			150,000	150,000
Fourth Quarter 1986			150,000	150,000
1987				
1988				
1989				
Total	\$	\$	\$ 1,200,000	\$ 1,200,000



## Project 85-65 Miscellaneous Capital Improvements

Description: this program provides for additional miscellaneous improvements to the wastewater treatment plants and the interceptor systems. The projects are proposed to provide for more effective operations and eliminate deficiencies in the system.

<u>Project</u>	<u>1985 Capital Project Cost</u>
Seneca Plant - Consists of odor control improvements.	\$ 25,000
Interceptor Improvements - Consists of:	
Chanhasen Lift Station Influent Line Improvements- Consists of adding an 18-inch RCP bypass line to eliminate large drop into wet well.	50,000
Fridley Lift Station Meter Concentrator - Consists of relocating meter concentrator and constructing enclosure for it.	30,000
Portland and Washington Regulator Rehabilitation- Consists of structural rehabilitation of the regulator access tunnel and vault and addition of safety facilities and electrical changes.	50,000
Septage Discharge Site Improvements - Consists of improving septage discharge sites as required for safety, aesthetics and maintenance.	20,000
Meter Station Improvements - Consists of improving meter hydraulics, maintenance access and equipment as problems are identified.	100,000
Fridley Interceptor Peak Flow Control - Consists of installing a bulkhead restriction to maximize in-line storage.	50,000
Burnsville Lift Station Odor Control - Consists of removing H <sub>2</sub> S from wet well ventilation exhaust air.	100,000
Mounds View Lift Station Roof and Pole Barn - Consists of providing a shelter to protect equipment, vehicles and standby generators.	50,000
Blue Lake Plant - Provides for odor control improvements for Screen Building.	80,000
Metro Plant Ventilation and Odor Control Improvements -	
Consists of gravity thickener ventilation improvements;	20,000
and Hydrogen sulfide control for computer rooms; and	10,000
Air Pollution Lab ventilation hood; and	10,000
Sludge storage ventilation improvements; and	25,000
Boiler feedwater pump room ventilation modifications.	30,000
Metro Plant Process Piping and Conveying Improvements -	
Consists of an effluent water line for Incinerators 5 and 6, effluent water line for roll presses and sludge piping modifications.	150,000
Metro Plant Building and Grounds - Consists of Maintenance Building locker and shower additions.	200,000

Project 85-65 Miscellaneous Capital Improvements - (continued)

<u>Project</u>	<u>1985 Capital Project Cost</u>
East Grit Dewatering Improvements - Consists of modifications to obtain drier grit for hauling.	<u>200,000</u>
SUBTOTAL:	\$ <u>1,200,000</u>

## Reserve List Metro Plant Projects

### Energy Conservation and Recovery Improvements

(Auxiliary Boiler and WHRB Economizers, Incinerator 9 and 10 heat reclamation, window panel insulation for F&I No. 2 and compressor building.

East Primary flow metering improvements - Consists of construction ground access to remove meters.

Number 5 Fuel Oil Tank - Provides for smaller tank for providing oil for scum burning.

Stormwater Diversion at Effluent Pump Station - Provides for adding gravity line to discharge beyond chlorine contact channel.

Lightning Protection System - Provides lightning protection for buildings.

Primary sludge screening - Provides for screening rags to prevent them from plugging high pressure pumps.

High pressure sludge pumps - Provides for replacement of piston pumps with bag pumps.

F&I No. 2 Dewatering Laboratory - Provides area within Dewatering Building for testing P&F cake moisture, roll press sludge, polymer testing.

Warehouse expansion - Provides for bonded storage space and a welding area with proper safety provisions.

### Interceptors

1-MN-320 Rehabilitation: Eliminate structural problem at Bassett Creek near Dupont Avenue by replacing 500 lineal ft. of 90-inch pipe.

1-MN-313 Rehabilitation: Replace 1000 lineal ft. of 24-inch pipe to eliminate structural and maintenance problems.

West Seventh Street Interceptor (LSP250): Rehabilitates joints and damaged sections.

Little Canada-Shoreview Interceptor I/I Rehabilitation: Rehabilitate joints to decrease infiltration.

Plymouth Lift Station and Forcemain: Provide additional capacity by installing new pump and modifying forcemain.

Hopkins-St. Louis Park Forcemain: Modify forcemain to increase capacity.

Champlin Lift Station Access Road and Work Area: Expand and upgrade access road and work area to facilitate portable generator access, snow removal, and other maintenance functions.

Schutz Lake Lift Station Odor Control: Provide activated carbon odor scrubber for ventilation exhaust.

Lino Lakes Lift Station Odor Control: Provide activated carbon odor scrubber for ventilation exhaust.

Third and Commercial Site Improvements: Add asphalt pavement, guard rails, fencing, and lighting to facilitate snow removal and safe truck turnaround at site.

Computerized Interceptor Inventory System: Adapt a computerized inventory system to existing interceptors to provide planning and maintenance management tool.

Interceptor Improvements required in conjunction with highway, street and drainage construction.

Project Number 85-66 Title Middle Beltline Interceptor

History of Authorization: The project was included in the Development Program by amendment in 1985.

Project Description: The project consists of a new sanitary sewer interceptor 25,000 ft. long from Warner Road and South 61 to Beaver Lake and Lake Phalen. Construction of the interceptor will result in elimination of lake overflows in that area and allow the existing combined sewer to be converted to stormwater use.

Project Status and Objectives:

1. Current Status (Step II) - The plans and specifications are in progress.

2. Objectives for 1986 - Construction should commence in mid-1986.

3. Annual Objectives for future years

1987 - On-going construction.

1988 - To completed construction

1989 - NA

Support for Appropriation Amendments

Text for the Rationale

1985 Appropriation	\$ <u>850,000</u>
Actual Expenditures	<u>-0-</u>
Balance (4-30-85)	<u>850,000</u>
Additional Funding (Step)	<u>11,000,000</u>

Funds are required for construction.

Annual Expenditures and Funding Sources

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
To 12/31/84	\$ <u>          </u>	\$ <u>          </u>	\$ <u>-0-</u>	\$ <u>-0-</u>
1985	<u>          </u>	<u>          </u>	<u>750,000</u>	<u>750,000</u>
First Quarter 1986	<u>          </u>	<u>          </u>	<u>50,000</u>	<u>50,000</u>
Second Quarter 1986	<u>          </u>	<u>          </u>	<u>50,000</u>	<u>50,000</u>
Third Quarter 1986	<u>          </u>	<u>          </u>	<u>1,000,000</u>	<u>1,000,000</u>
Fourth Quarter 1986	<u>          </u>	<u>          </u>	<u>1,000,000</u>	<u>1,000,000</u>
1987	<u>          </u>	<u>          </u>	<u>7,000,000</u>	<u>7,000,000</u>
1988	<u>          </u>	<u>          </u>	<u>2,000,000</u>	<u>2,000,000</u>
1989	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Total	\$ <u>          </u>	\$ <u>          </u>	\$ <u>11,850,000</u>	\$ <u>11,850,000</u>

Project Number 85-67Title Orono Interceptor ImprovementsHistory of Authorization:

The project will be proposed in the 1986-1990 Development Program.

Project Description:

This project consists of improvements to the structures, mechanical and electrical systems in four lift stations and improvements to several reaches of the interceptor system. The improvements are needed to handle the increased flow from Orono during wet weather periods.

Steps (s) I, II & IIIProject Objectives:

1. Objectives for 1986 - To prepare plans and specifications for relief for the existing system.

2. Annual Objectives for future years

1987 - Construction will continue.

1988 - Construction will be completed.

1989 -

Support for Appropriation Amendments

1985 Appropriation \$ 1,600,000

Actual Expenditures -0-

Balance (4-30-85) 1,600,000

Additional Funding NONE  
(Step)

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
First Quarter 1986	\$ <u>          </u>	\$ <u>          </u>	\$ <u>50,000</u>	\$ <u>50,000</u>
Second Quarter 1986	<u>          </u>	<u>          </u>	<u>50,000</u>	<u>50,000</u>
Third Quarter 1986	<u>          </u>	<u>          </u>	<u>50,000</u>	<u>50,000</u>
Fourth Quarter 1986	<u>          </u>	<u>          </u>	<u>50,000</u>	<u>50,000</u>
1987	<u>          </u>	<u>          </u>	<u>700,000</u>	<u>700,000</u>
1988	<u>          </u>	<u>          </u>	<u>700,000</u>	<u>700,000</u>
1989	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Total	\$ <u>          </u>	\$ <u>          </u>	\$ <u>1,600,000</u>	\$ <u>1,600,000</u>

Project Number 86-52

Title Eagan Interceptor Improvements

History of Authorization:

The project will be proposed in the 1986-1990 Development Program.

Project Description:

This project is proposed to consist of partial reconstruction of total construction of two existing lift stations. The improvements are needed to handle increased flows from new developments.

Steps (s) I, II, & III

Project Objectives:

1. Objectives for 1986 - To complete the plans and specifications and initial construction in late 1986.

2. Annual Objectives for future years

1987 - To complete construction in late 1987.

1988 - NA

1989 - Na

Support for Appropriation Amendments

1985 Appropriations \$ 1,000,000

Actual Expenditures -0-

Balance (4-30-85) 1,000,000

Additional Funding NONE

<u>Year</u>	<u>Fed. Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
First Quarter 1986	\$ _____	\$ _____	\$ 50,000	\$ 50,000
Second Quarter 1986	_____	_____	100,000	100,000
Third Quarter 1986	_____	_____	300,000	300,000
Fourth Quarter 1986	_____	_____	300,000	300,000
1987	_____	_____	250,000	250,000
1988	_____	_____	_____	_____
1989	_____	_____	_____	_____
Total	\$ _____	\$ _____	\$ 1,000,000	\$ 1,000,000

SCHEDULE OF  
PROJECTS COMPLETED OR TO BE COMPLETED IN 1985

Project Number	Name of Project
72-02	Metro Plant Compressor Building
74-01 (400)	MWWTP Sludge Thickening Facilities
79-50	Stipulation Agreement - Metro
81-65	Miscellaneous Capital Improvements
83-60	Mendota Lift Station and Interceptor

To illustrate the effects of these costs, cited below are examples of communities which have treatment work costs only or are located in one of the 6 service areas:

<u>Community</u>	<u>Cost Pool</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>	<u>1989</u>	<u>1990</u>
Hastings	Treatment Works	71.11	75.94	80.65	84.83	90.07
% of Increase	(average increase 5.4)	2.55	6.79	6.20	5.18	6.18
Minneapolis	Treatment Works & SA #1	80.68	86.67	92.72	97.57	103.42
% of Increase	(average increase 5.7)	2.65	7.42	6.98	5.23	6.00
Coon Rapids	Treatment Works & SA #2	87.56	95.08	103.88	110.74	117.56
% of Increase	(average increase 6.5)	2.02	8.59	9.26	6.60	6.16
Anoka	Treatment Works & SA #3	104.58	113.75	124.73	134.21	144.97
% of Increase	(average increase 7.7)	4.59	8.77	9.65	7.60	8.02
Deephaven	Treatment Works & SA #4	97.90	104.11	112.31	117.98	125.17
% of Increase	(average increase 5.7)	3.07	6.34	7.88	5.05	6.09
Bloomington	Treatment Works & SA #5	82.45	88.07	93.40	97.87	103.34
% of Increase	(average increase 4.9)	1.20	6.82	6.05	4.79	5.59
Newport	Treatment Works & SA #6	78.79	84.10	89.31	93.87	99.68
% of Increase	(average increase 4.9)	.14	6.74	6.20	5.11	6.19



COST ALLOCATION FOR 1986-1990  
COST PER 100,000 GALLONS (HOUSEHOLD)

<u>Description</u>	<u>1986 Cost Allocation</u>	<u>1987 Cost Allocation</u>	<u>1988 Cost Allocation</u>	<u>1989 Cost Allocation</u>	<u>1990 Cost Allocation</u>	<u>Average % Of Increase</u>
Treatment Wks.	71.11	75.94	80.65	84.83	90.07	
% of Increase	2.55	6.79	6.20	5.18	6.18	5.38
SA #1	9.57	10.73	12.07	12.74	13.35	
% of Increase	3.46	12.12	12.49	5.55	4.79	7.68
SA #2	16.45	19.14	23.23	25.91	27.49	
% of Increase	(.18)	16.35	21.37	11.54	6.10	11.04
SA #3	33.47	37.81	44.08	49.38	54.90	
% of Increase	9.24	12.97	16.58	12.02	11.18	12.40
SA #4	26.79	28.17	31.66	33.15	35.10	
% of Increase	4.53	5.15	12.39	4.71	5.88	6.53
SA #5	11.34	12.13	12.75	13.04	13.27	
% of Increase	(6.44)	6.97	5.11	2.27	1.76	1.93
SA #6	7.68	8.16	8.66	9.04	9.61	
% of Increase	(17.68)	6.25	6.13	4.39	6.31	1.08

# STATUS OF AUTHORIZED PERSONNEL

<u>Department/Plant</u>	<u>Proposed Budget 1986</u>	<u>Actual 1985</u>
Administration	22	24
Engineering	34	33
Quality Control	85	84
Construction		
Central Office	2	2
Field Office	44	47
Operations		
Central Office	13	15
Empire	29	27
Metro Plant - Operations	337	340
Metro Plant - Maintenance	179	181
Seneca Plant	46	43
Blue Lake Plant	34	32
Anoka	3	3
Maple Plain Plant	2	2
Savage	2	2
Cottage Grove	4	4
Chaska	3	4
Bayport	1	1
Stillwater	9	6
Rosemount	7	8
South St. Paul	2	2
Hastings	4	5
Interceptor	67	65
Business Services	15	14
Comptroller	<u>16</u>	<u>16</u>
 TOTAL	 <u>960</u>	 <u>960</u>

**METROPOLITAN WASTE CONTROL COMMISSION**

**CHAIRMAN**  
Peter E. Meintsma

**SPEC. ASSISTANT TO CHIEF  
ADMINISTRATOR**  
M. J. Heinisch

**CHIEF ADMINISTRATOR**  
Louis J. Breinhurst

**PUBLIC INFORMATION**  
J.E. Bergal

**AFFIRMATIVE ACTION**  
J.B. Cruz

**DEPUTY  
CHIEF ADMINISTRATOR**  
James J. Hiniker, Jr.

**SAFETY**  
L. Breitbarth

**ENGINEERING**  
Vacant  
Director

**CONSTRUCTION**  
Vacant  
Director

**QUALITY CONTROL**  
W.K. Johnson  
Director

**OPERATIONS**  
W.A. Blain  
Director

**BUSINESS SERVICES**  
K.E. Robins  
Director

**COMPTROLLER**  
R.L. Berg  
Director

Planning  
Design  
Drafting  
Cost Estimates  
Consulting Serv.  
Capital Programs  
Statistical Data  
Special Projects

Surveying  
Testing  
Project Services  
Material Insp.  
Field Inspection  
Construction Mgmt.

Lab Services  
River Monitoring  
Industrial Waste  
Research & Devel.  
Lake Survey  
Special Services  
Sampling  
Process R & D

Plant Operations  
Intcp. Maint.  
Metering  
Plant Engineering  
Dispatching  
Telemetering  
Warehousing  
Plant Maintenance  
Building Maint.

Purchasing  
Personnel  
Employee Services  
Career Develop.  
Labor Relations  
Inventory

Accounting  
Collections  
Budget  
Prop. Acctg.  
Auditing  
Investments  
Disbursements  
Cost Eff. Mgmt.  
Payroll

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Metropolitan Waste Control  
Commission (Minn.).  
Program budget

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Commission (Minn.).  
Program budget

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