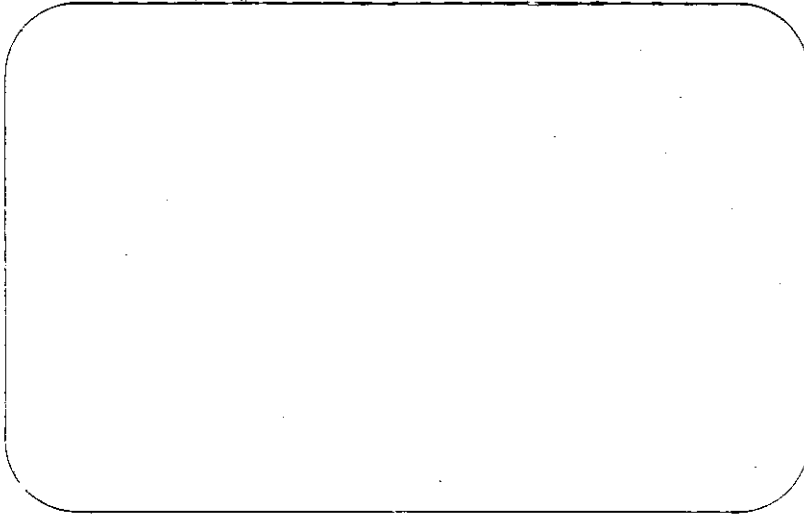
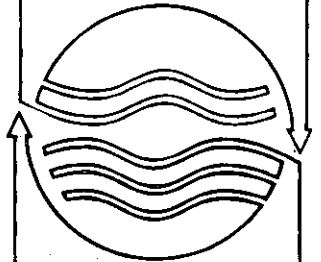


Received Jan. 24, 1984



**METROPOLITAN  
WASTE  
CONTROL  
COMMISSION**  
Twin Cities Area



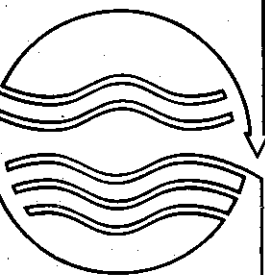
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METROPOLITAN WASTE CONTROL COMMISSION

1984 PROGRAM BUDGET

OFFICIALLY APPROVED OCTOBER 18, 1983



June 6, 1983

The Honorable George H. Frisch, Chairman  
Members of the Commission  
Metropolitan Waste Control Commission  
350 Metro Square Building  
Saint Paul, Minnesota 55101

Dear Mr. Frisch and Commissioners:

Enclosed for your review and consideration in accordance with the Minnesota Statutes, 473.163, is the proposed 1984 Program Budget for the Metropolitan Waste Control Commission covering the period January 1 through December 31, 1984.

The procedure followed in the preparation of the Program Budgets was initiated by the Program Managers preparing their requests based upon their objectives in 1984. These objectives were then reviewed, along with their associated costs, with their Department Director. Objectives were reduced or eliminated by a joint decision of the Department Director and Program Manager and the total budget as presented to the Budget Committee, totaled approximately an 11.0% increase. The Budget Committee, consisting of Deputy Chief Administrator, Director of Business Services, and the Comptroller, met with each Department Director and Program Manager and further reduced the total budget increase to approximately 10.0%. Additional reviews by the Budget Committee have further reduced objectives and resources to a total budget increase of 7.93%.

Expenditures for the administration, operation and maintenance of the Metropolitan Disposal System during 1984 totals \$84,353,425. This amount represents a \$6,200,169, or 7.93% increase in proposed expenditures over the current year's budget. The total proposed expenditures of \$84,353,425 are detailed and described in 53 program budgets as indicated on Schedules 3 through 3-27. 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 1984 Budget are as follows:

Salaries, Wages & Benefits - Proposed costs for salaries, wages and benefits total \$27,724,977, an increase of \$3,857,536. This increase is attributed to 24 new positions of which 18 of these positions are for new facilities at the Metro Plant. In addition, pay increases have been

provided for current employees in accordance with various labor agreements and compensation plans.

Debt Service & Acquisition Costs - Debt Service and Acquisition costs for 1984 total \$25,843,517 an increase of \$3,489,974, or 15.6%. The increase is due to increased principal payments on existing Debt Service. This is the first 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 1984, and subsequent years. Of the 7.93% budget increase, Debt Service accounts for over one-half or 4.47%.

Personnel Summary - The Personnel requirement for 1984 requires 24 new positions resulting in a total complement of 939 employees. These new positions are required for the administration, operation, and maintenance of the Metropolitan Disposal System as follows: One (1) internal auditor reporting directly to the Commission. Five (5) employees are required for the Quality Control Department, two (2) for Program 012, Industrial Waste for the pre-treatment program and three (3) for Program 013, Research and Development for research on ash utilization, disinfection tests at Blue Lake and Seneca and calibration of field instruments. Eighteen (18) new employees are required for the expanded facilities at Metro, including three (3) pipefitters, six (6) electricians and nine (9) machinists.

Sewer Service Charges - Allocation of current use charges to local governments being served by the Metropolitan Disposal System is estimated to cost \$78.04 per 100,000 gallons (per family) based on flow volume of 93,781 million gallons. This is an increase of 5.28% from 1983. Our Metropolitan Area sewer charges continue to be below the median (and also the mean) for the larger Metropolitan Areas of the United States.

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

Description	Current Use %	Current Use Debt Serv.	Reserve Cap. %	Reserve Cap. Debt Serv.
TW	.728311	12,004,549	.271689	4,478,175
SA #1	.673576	1,270,591	.326424	615,746
SA #2	.308304	278,541	.691696	624,922
SA #3	.345257	138,064	.654743	261,824

<u>Description</u>	<u>Current Use %</u>	<u>Current Use Debt Serv.</u>	<u>Reserve Cap. %</u>	<u>Reserve Cap. Debt Serv.</u>
SA #4	.255365	273,773	.744635	798,313
SA #5	.235085	134,310	.764915	437,016
SA #6	.188026	85,666	.811974	369,939
Total		<u>14,185,494</u>		<u>7,585,935</u>

The total Reserve Capacity Requirement is \$7,585,935. Based on our analysis, we are proposing that the present SAC charge of \$425 will continue except that communities who do not have interceptor service will pay \$165 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.

Industrial Strength Charges - This system anticipates revenues from an estimated 150 firms located in 31 units of government with estimated revenues of \$3,310,000.

In summary, the 1984 Proposed Operating Budget of \$84,353,425 is an increase of \$6,200,169 or 7.93% over the 1983 Budget. This proposed increase is attributed to the following:

(A) New facilities/programs (required to meet increased air and water quality standards) at the Metro Plant.	1.13%
(B) Additional Debt Service Costs	4.47%
(C) General Increase	<u>2.33%</u>
Total Increase	<u>7.93%</u>

#### Capital Budget

The Capital Improvements Program contain 56 projects for which \$304,554,335 has been appropriated during the past several years. It is anticipated that eleven (11) of these will be closed out during the current year and the remaining authorized projects will require total expenditures of \$148,178,237. Of this amount, \$18,568,381 has been encumbered and the balance of \$129,609,856 will be encumbered during the next year. A detailed financial status of these projects is shown on Schedule 12. In addition, one new project is being proposed in the amount of \$100,000 and described on Schedule 13. Schedule 14 is a list of reserve projects for which Budget Amendments will be requested if Federal Grants are received.

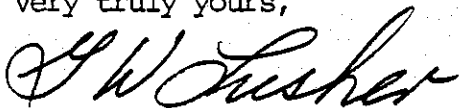
Revenues to finance these projects include certified federal grants (net) \$22,437,057; certified state grants \$4,581,798; anticipated grants \$57,520,277; investment earnings \$2,550,000; due from local governments \$138,353, and miscellaneous income of \$50,000, and fund

The Honorable George H. Frisch, Chairman  
Members of the Commission  
June 6, 1983  
Page Four

balance as of December 31, 1982, of \$44,051,795 resulting in total revenues of \$131,329,280. Proposed expenditures for previously approved projects and new proposed projects total \$148,278,237 which results in a deficit fund balance of \$16,948,957 which will require sale of bonds to completely finance these projects. A Cash Flow Projection indicates that a bond sale will be required in the last part of 1984.

In submitting the 1984 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 Commissioners 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,

A handwritten signature in cursive script, appearing to read "G W Lusher".

George W. Lusher  
Chief Administrator

GWL:RLB:pp

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# 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; policy formulation and implementation; all programs related to Federal, State and local agencies; competitive and equal opportunities for employees; a positive affirmative action program; employee career development programs; ongoing 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.

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 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 1984</u>	<u>Budget 1983</u>	<u>Actual 1982</u>
<u>ESTIMATED REVENUES:</u>			
Sewer Service Charges - Communities	\$73,182,490	\$68,415,362	\$60,849,820
Industrial Strength Charges	3,310,000	3,130,000	2,572,961
Service Availability Charges	7,585,935	6,507,894	5,345,490
Investment Earnings	225,000	75,000	308,157
Federal & State Grants	-0-	-0-	11,165
Other	<u>50,000</u>	<u>25,000</u>	<u>53,695</u>
TOTAL ESTIMATED REVENUES	<u>\$84,353,425</u>	<u>\$78,153,256</u>	<u>\$68,781,288</u>
<u>ESTIMATED EXPENDITURES:</u>			
Program	\$58,509,908	\$55,799,712	\$47,414,948
Debt Service	21,771,429	18,281,456	16,476,080
Acquisition Costs	<u>4,072,088</u>	<u>4,072,088</u>	<u>4,069,088</u>
TOTAL ESTIMATED EXPENDITURES	<u>\$84,353,425</u>	<u>\$78,153,256</u>	<u>\$67,960,116</u>
Transfer from SAC Reserve			\$ (789,493)
Due to Local Governments			<u>1,610,665</u>
GRAND TOTAL			<u>\$68,781,288</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 programs 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 for 1984;
4. To administrate, in cooperation with the Operations Department, a 97%

## ADMINISTRATION & MANAGEMENT (001) (cont.)

### Performance Criteria: (continued)

compliance with NPDES effluent limitations at the Metro Plant and 96% compliance at all other plants and maintain a severity rate of less than 35% 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. To achieve a 95% frequency of acceptance on the recommendations made to the Commission;
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: \$735,372

Work Hours Required: 6,480

## COMMISSION ADMINISTRATION (002)

Description: To provide Commissioners with prompt administrative support and with 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;

COMMISSION ADMINISTRATION (002)  
(continued)

4. Carry out all Commission directives and requests.

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: \$175,770

Work Hours Required: 6,500

AFFIRMATIVE ACTION/EEO (003)

Description: Maintain a program of recruitment, selection, upward mobility and training that will measure improvement in the overall employment of minorities, females and 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. Employ and train minorities for professional and managerial job categories;
6. Employ handicapped and train, if needed.

AFFIRMATIVE ACTION/EEO (003) (cont.)

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 monthly 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.

Resources Required: \$97,329

Work Hours Required: 4,600

PUBLIC INFORMATION (004)

Description: To conduct a total information 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 involvement in the decision-making process pursuant to Commission objectives and in compliance with the dictates of EPA regulations, public participation in water pollution control, and all other applicable federal and state regulations;

PUBLIC INFORMATION (004) (continued)

Description:

3. Insure total communications support to all levels and areas of staff and employee activity.

Performance Criteria:

1. Produce and distribute 7,000 copies of the 1983 Annual Report by February 21, 1984;
2. Produce and distribute 4 issues of OUTFALL Newsletter;
3. Produce special reports, brochures, presentations, projects as assigned;
4. Perform the following aspects of Information Program to fulfill Commission and Section Program Objectives: audio visual programs; state-ment and report writing and editing; on-going public, news and visitor programs; and all other special projects and programs - all within set deadlines.

Resources Required: \$124,896

Work Hours Required: 4,600

SAFETY (005)

Description: Provide an effective comprehensive Safety Program for all Commission employees and other personnel at all Commission facilities and projects.

1. Inspect each treatment plant for safe and healthful working conditions at least once each month. Inspect the various lift stations, meter vaults, storage areas and equipment as necessary. Issue notice of non-compliance to supervisors for violation of Commission Safety Program's Policies, or OSHA law;
2. Maintain accurate and adequate injury records, report injury statistics bi-annually;

SAFETY (005) (continued)

Description:

3. Respond to each request for Safety Services which include: (but are not limited to) analysis of air contaminants, noise levels, product suitability, construction design, or work procedures;
4. Provide training in the use of safety equipment, in the handling of hazardous materials, in operating procedures, in injury prevention, first-aid and driver education;
5. Write, for quarterly distribution, a Safety Newsletter;
6. Write and distribute Safety Bulletins for Commission employees welfare as necessary.

Resources Required: \$110,996

Work Hours Required: 4,500

CAREER DEVELOPMENT (006)

Description: To provide educational and training opportunities for employees to aid in performing current job assignments more efficiently and to prepare for promotional and advancement opportunities within the organization.

1. Enroll and successfully complete courses of study for approximately 100 employees within the organization in the 10 major program categories listed under Performance Criteria.

Performance Criteria:

1. Fundamentals of wastewater treatment;
2. Operation of wastewater treatment plants;
3. State Certification;
4. Other Operations programs;

CAREER DEVELOPMENT (006) (continued)

Performance Criteria:

5. Quality Control;
6. Clerical-secretarial programs;
7. Management Center - College of St. Thomas;
8. University of Minnesota;
9. Other educational and vocational programs;
10. Degree program.

Resources Required: \$27,520

Work Hours Required: 100

GRANTS ADMINISTRATION (007)

Description: To administer the Commission's Construction Grants Program in accordance with the requirements of the Federal Water Pollution Control Act and other statutory and regulatory procedures. Grant management activities include:

1. The collection and monitoring of grant resource information and documents;
2. Continual liaison between the Commission and Federal and State Agencies;
3. Maintaining supporting documents, statistical records and other information pertinent to grants;
4. Insuring the Commission's compliance with applicable administrative actions and conditions of grants;
5. The development and submission of grant proposals.

Performance Criteria:

1. To review statutes, executive orders, agency regulations and programs concerning federal and state grant requirements and the availability of funds;

GRANTS ADMINISTRATION (007) (continued)

Performance Criteria:

2. To coordinate and administer grant activities in cooperation with the Minnesota Pollution Control Agency, Metropolitan Council, State Planning Agency, State Historical Society, Environmental Protection Agency and the Corps of Engineers;
3. To maintain and establish a grant records system to preserve documents and information essential to the management of the grant. All records must be retained for a period of three (3) years;
4. Assist Commission Departments in meeting grant regulatory requirements and provide guidance to staff as required;
5. Prepare applications and assist in obtaining federal and state financial aid for 1984.

Resources Required: \$76,237

Work Hours Required: 4,060

ENGINEERING ADMINISTRATION (008)

Description:

1. To administrate the department's responsibilities in an effective and efficient manner, including the use of program account funds, preparation and presentation of Commission Business Items, review and recommend action on interceptor acquisition requests, responses to requests and correspondence, continuously update design standards and criteria, provide effective supervision and make annual personnel evaluations, attend staff meetings to establish Commission policies and objectives, provide timely implementation of capital improvement projects, and prepare the annual department program budget.

## ENGINEERING ADMINISTRATION (008) (continued)

### Performance Criteria:

1. Were expenditures kept within the budgeted amounts in Accounts 5040 through 6200? Were business items, outside responses and interceptor acquisition requests effectively and timely provided, recommended and/or presented each time? Were design standards and criteria, supervision, personnel evaluations, and attendance at staff meetings effectively accomplished and/or implemented each time? Was the annual budget prepared and submitted by April 1, 1984?

2. Were program objectives accomplished within the budgeted manhours and costs?

Resources Required: \$197,662

Work Hours Required: 5,904

## COMMUNITY SERVICES (009)

### Description:

1. To request, review, coordinate and recommend approval of local community and school district comprehensive sewer plans, local sanitary sewer improvement projects and to meet with local government units and the Metropolitan Council to discuss planning coordination regarding sanitary sewer planning;
2. To review and comment on amendments to the Waste Management Policy Plan, community comprehensive plans, environmental impact statements, NPDES permits, A-95 grant applications, watershed plans as requested;
3. To review and recommend approval of sewer connection permit applications, rental agreements and interceptor use policies;
4. To obtain, determine, 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;

## COMMUNITY SERVICES (009) (continued)

### Description:

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 field surveys to evaluate the condition of the interceptor system. Prepare improvements and requesting the design and construction of needed facilities.

### Performance Criteria:

1. Prepare for and obtain Commission approval for 25-50 community comprehensive sewer plans (CSP's). Review and comment on about 25 community CSP elements to the community and Metropolitan Council. Provide comments to the community and MPCA on about 250 community sewer improvement projects;
2. Provide comments on 200 environmental impact statements, NPDES permits and A-95 reviews to the Metropolitan Council;
3. Review and obtain approval of approximately 50 interceptor connection permit applications and sewer rental agreements;
4. Determine, review and assign the actual sewage flow volumes (150 metered and 70 unmetered) for 101 communities and report these total flows on both a quarterly and annual basis. Provide the assigned treatment works and interceptor capacities and the estimated sewage flow volumes for 101 communities in the 1985 Cost Allocation Program. Provide routine sewage flow and special flow analysis data to communities in a timely manner to 40 communities. Prepare, distribute, collect and analyze "Survey of Sewer Use Data Forms" for 101 communities to obtain information on present and proposed sewer use and sewer connections;



## COMMUNITY SERVICES (009) (continued)

### Performance Criteria:

5. Determine and assign the SAC Units in a timely manner and furnish the results to the communities in either oral (1000+) or written (120-180) 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 preventive maintenance program.

Resources Required: \$190,888

Work Hours Required: 10,350

## ENGINEERING SERVICES (010)

### Description:

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, design review, and the appropriate consideration for Commission facilities.

### Performance Criteria:

1. Were all in-house plans and specifications timely provided and the improvement implemented within the estimated costs?
2. Was engineering support effectively provided on all requested involvement?
3. Were all special agreements effectively and timely provided and implemented each time?

## ENGINEERING SERVICES (010) (continued)

### Performance Criteria:

4. Were program objectives accomplished within the budgeted manhours and costs?

Resources Required: \$210,750

Work Hours Required: 8,960

## 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 inter-agency 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 record annually; recruit staff; plan for optimum personnel utilization and accommodations;
6. Encourage the use of electronic data processing to improve efficiency of data handling;
7. Participate in activities of pro-

QUALITY CONTROL ADMINISTRATION (011) (Cont.)

Description:

fessional MWOC-related organizations, provide opportunities for employee career development and encourage the preparation and 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 held with other departmental directors;
3. Number of external meetings attended and the number of external requests for data fulfilled by the department;
4. Date of completion of annual report;
5. Number of personnel reviews and studies made of personnel use and accommodations;
6. Extent of changes implemented in electronic data processing;
7. Number of employees participating in career development and number of papers presented.

Resources Required: \$192,739

Work Hours Required: 6,290

INDUSTRIAL WASTE (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;

INDUSTRIAL WASTE (012) (continued)

Description:

4. Process all industrial SAC applications received;
5. Administer the strength charge system;
6. Conduct 180 industry investigations;
7. Conduct 60 treatment plant, sewer system or spill program investigations;
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. Number of permittees late in reporting and those properly inventoried;
3. Number of applications processed in 60 days and total number received;
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. Percent of known violations remaining unresolved for 90 days;
9. Value of conferences attended;
10. Date of completion.

INDUSTRIAL WASTES (012) (continued)

Resources Required: \$652,109

Work Hours Required: 35,890

RESEARCH & DEVELOPMENT (013)

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

1. Sponsor external research projects which address MWCC needs in the following areas: ammonia removal using rooted aquatic vegetation, ammonia reaction with receiving water constituents, ammonia toxicity to indigenous fish, ash utilization, sludge bulking, and the impact of suspended material on light attenuation and algal productivity;
2. Conduct evaluation of disinfection alternatives for MWCC facilities;
3. Continue evaluation of bouyant filter media;
4. Conduct evaluation of treatment methods available to improve effluent quality during critical water quality limiting periods;
5. Evaluation of innovative sludge management methods for Blue Lake and smaller plants;
6. Initiate characterizations of nitrification kinetics in Mississippi and Minnesota Rivers;
7. Initiate evaluation of fine bubble aeration - - test methods;
8. Review R & D activities of other agencies;
9. Prepare annual report by March 1, 1984.

Performance Criteria:

1. Quality and usefullness of reports;
2. Project status and quality of reports;
3. Project status and quality of reports;

RESEARCH & DEVELOPMENT (013) (continued)

Performance Criteria:

4. Project status and quality of reports;
5. Project status and quality of reports;
6. Project status and quality of reports;
7. Project status and quality of reports;
8. Status of R & D library;
9. Quality of report and date completed.

Resources Required: \$351,882

Work Hours Required: 9,505

WATER QUALITY MONITORING (014)

Description: To monitor the quality of the Metropolitan area receiving waters, conduct toxicity of 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 840 conventional grab samples,
  - c) Collect 140 water, sediment, and biota samples for analysis of toxics,
  - d) Collect 104 samples for analysis of aquatic organisms;
3. Conduct 14 static and flow-thru toxicity tests of Commission treatment plant effluents;
4. Conduct special studies and prepare reports as required;
5. Develop a final work plan for a 1985 river quality assessment by October 1, 1984;

## WATER QUALITY MONITORING (014) (cont.)

### Description:

6. Process water quality data and information requests in a timely manner;
7. Attend conferences on water quality issues;
8. Prepare an annual report of river water quality by August 1;
9. Prepare an annual report of effluent toxicities by June 1;
10. Prepare an annual report of program activities by March 1.

### Performance Criteria:

1. Comparison of objectives met and resources used;
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 conducted;
4. Number of studies and reports completed;
5. Date of completion;
6. Written assessment of requests processed;
7. Written assessment of conferences;
8. Date of completion;
9. Date of completion;
10. Date of completion.

Resources Required: \$454,146

Work Hours Required: 20,690

## LABORATORY SERVICES (015)

Description: To conduct routine sampling of wastewater treatment plants and to pro-

## LABORATORY SERVICES (015) (continued)

### Description:

vide 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.

1. Collect samples from all treatment plants operated by the Commission for operational plant control and as required by regulatory agencies;
2. Conduct 194,000 laboratory analyses and prepare appropriate reports upon completion of analyses as follows:
  - a. 43,000 analyses for NPDES monitoring of treatment plants,
  - b. 23,000 analyses for area rivers,
  - c. 70,000 analyses for treatment plant control,
  - d. 20,000 analyses of support of special studies,
  - e. 13,000 analyses for industrial waste,
  - f. 25,000 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 plant performance by July 1;
7. Maintain professional stature through attendance at conferences on analytical chemistry and biological analyses and review of technical publications;
8. Maintain laboratory instrumentation and continuous monitoring equipment used for plant operational control at the Metropolitan, Blue

## LABORATORY SERVICES (015) (continued)

### Description:

Lake, Seneca, and Empire Plants, and visit nine additional treatment plants twice each month to provide calibration and maintenance of laboratory instrumentation and sampling equipment;

9. Maintain laboratory equipment and supplies inventory system;
10. Provide analytical method development capabilities for the following analysis requested of the laboratory that are of a non-routine nature; a) solvents; b) total toxic organics; c) differentiation and identification of oils (animal, veg., mineral).
11. Conduct monthly safety meetings for all staff; implement and participate on Safety Committee.

### Performance Criteria:

1. Number of samples not taken compared to number scheduled;
2. Compare number of analyses conducted to number planned in programs;
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. Percentage of time laboratory instrumentation and monitoring equipment not functioning and number of visits made compared to number scheduled;
9. Assess cost savings of inventory system;

## LABORATORY SERVICES (015) (continued)

### Performance Criteria:

10. Number of non-routine requests processed compared to number requested;
11. Number of monthly meetings held.

Resources Required: \$1,272,525

Work Hours Required: 77,700

## AIR QUALITY MONITORING (016)

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

1. Conduct stack emission tests at the Metropolitan and Seneca Treatment Plants for the following parameters and prepare reports:
  - a. Particulates - semi-annually
  - b. SO<sub>x</sub> - annually
  - c. NO<sub>x</sub> - annually
  - d. Hydrocarbons - annually
  - e. PCB's - annually
  - f. Heavy metals - semi-annually
2. Conduct continuous H<sub>2</sub>S monitoring at the Seneca, Metropolitan, and Blue Lake Treatment Plants;
3. Conduct odor monitoring by odor panel method at the Blue Lake, Seneca, and Metropolitan Plants monthly during high odor season (April - September).
4. Conduct weekly opacity monitoring on stacks at the Metropolitan and Seneca Plants;
5. Conduct odor monitoring tests in support of evaluation of odor abatement equipment, and compliance monitoring requirements;
6. Prepare an annual air quality report by July 1;
7. Prepare an annual report on air monitoring activities by March 1;

## AIR QUALITY MONITORING (016) (continued)

### Description:

8. Attend conferences on air quality monitoring;
9. Collect daily meteorological data for the Blue Lake, Seneca, and Metropolitan Plants to support location of odor monitoring units;
10. Assist the Operations Department in determining operating conditions of incinerators and scrubbers at the Metropolitan and Seneca Plants and maintaining such for optimum particle removal in incinerator stack gases.

### Performance Criteria:

1. Number of stack emission tests completed as compared to number scheduled;
2. Number of reports prepared as compared to number completed;
3. Number of tests conducted as compared to number scheduled;
4. Number of tests completed as compared to number scheduled;
5. Number of tests requested compared to number of tests completed;
6. Compare time of completion to scheduled date;
7. Compare time of completion to scheduled date;
8. Assess value of conference to program activities;
9. Number of data points collected compared to number scheduled;
10. Number of tests requested compared to number of tests completed.

Resources Required: \$131,499

Work Hours Required: 6,785

## SLUDGE UTILIZATION (017)

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

1. Arrange for direct on-land disposal of 10,000 wet tons of dewatered sludge generated at the Metro Plant;
2. Supervise Metro composting projects and maintain market for 10,000 tons of composted sludge;
3. Obtain MPCA Letters of Approval for disposal of liquid sludges on private land;
4. Arrange for the lease of MWCC owned farm land;
5. Prepare annual report by March 1.

### Performance Criteria:

1. Ratio of (tons disposed): (tons loaded out) at Metro;
2. Ratio of (tons disposed): (tons produced);
3. Land area permitted as % of annual need;
4. Possession of fully executed lease agreements;
5. Date report completed.

Resources Required: \$475,168

Work Hours Required: 5,240

## CONSTRUCTION ADMINISTRATION (018)

Description: To provide overall administration by the Construction Department of an estimated 30 capital improvement contracts.

1. Maintain and utilize current as well as completed project files, plans and specifications; review and evaluate testing services; review and evaluate Construction Department personnel performance and needs; prepare and review program

## CONSTRUCTION ADMINISTRATION (018) (cont.)

### Description:

budgets for Construction Department; maintain an on-going training program for all Construction Department personnel; maintain a current Construction Department Policy Manual and organizational structure; perform required inspections of 3rd party Construction directly affecting MWCC operations and property; and perform required inspections for new service connections to the interceptor system;

2. Review and evaluate an estimated 200 change orders and prepare current change order tabulations and process them through the Commission for an estimated 30 capital improvement projects;
3. Review and process contract payments through the Commission for an estimated 30 capital improvement projects.

### Performance Criteria:

1. Complete construction in accordance with the contract plans and specifications at a cost for all Construction Administration not to exceed 4%. The construction administration cost includes material testing costs, schedule management costs, MWCC Construction Department personnel costs and field office and equipment costs;
2. Process Change Orders and Resolutions through the MWCC Engineering Department and MWCC Administration Department with 90% of these provided to the Chief Administrator three (3) days prior to mailing to the Commission;
3. Process monthly construction payments and other disbursements through the MWCC Engineering Department, Comptroller's Department and Administration Department with 90% of these provided to the Chief Administrator three (3) days prior to mailing to the Commission;

Resources Required: \$123,593

Work Hours Required: 5,747

## BUSINESS SERVICES ADMINISTRATION (019)

Description: The Business Services Department manages 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;
2. Provide Xerox services for Central Office personnel and coordinate all other Xerox equipment placement and needs;
3. Maintain and 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 items as they relate to labor, personnel, benefits and purchasing matters;
7. Conduct quarterly departmental staff meetings dealing with and discussing Commission activities and/or problem areas.

### Performance Criteria:

1. Quarterly contact telephone representative and monthly analyze telephone billing account, post all mail in least expensive class, maintain contacts with lessor relative to Central Office space needs and office security;
2. Assist non-clerical office personnel regarding Xerox needs, review all Commission Xerox agreements, propose cost reductions; insure 90 percent of Central Office copy requests filled the day requested,

BUSINESS SERVICES ADMINISTRATION (019) (cont.)

Performance Criteria:

- where possible maximize duplexing efforts;
3. Remove all 1982 invoices by end of February. Update typed retrieval lists of all files on hand;
  4. Evaluate change recommendations in procedures from interdepartmental sections;
  5. Quarterly sit down individually with Program Managers discussing objectives and offering help as requested;
  6. All business items to be prepared timely;
  7. Conduct four (4) staff department meetings two of which provide speaker from other department.

Resources Required: \$242,894

Work Hours Required: 6,150

PERSONNEL SERVICES (020)

Description:

1. Maintain recruitment and placement procedures in accordance with EEOC, Minnesota Department of Human Rights and the MWCC Affirmative Action Program. Initiate needed policy or procedure changes. Assist protected class members in seeking employment;
2. Maintain current personnel files on all employees providing review services for supervisory personnel as well as the employees themselves. Monitor standard list of contents to be contained in each file and purge files of any extraneous data;
3. Investigate and provide, if needed, necessary tests for selected job classifications including studies evaluating comparable jobs in other local or state agencies;
4. Review and change hiring procedures as needed. Acknowledge, in writing, appli-

PERSONNEL SERVICES (020) (continued)

Description:

- cations. 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 the 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 MWCC in filed charges relating to our policies or practices; present the MWCC position in unemployment compensation disputes;
  10. Review and update as needed all job classification descriptions for salaried employees.

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. Update structured interview questions for three positions to assure job-related objectivity;
4. Acknowledge all applications within three (3) days. Continue control



PERSONNEL SERVICES (020) (continued)

Performance Criteria:

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 six (6) EAP bulletins dealing with available services or programs. Provide two in-service seminars for MWCC personnel relating to referral procedures;
7. Semi-annually provide address lists and make seniority list changes two (2) days from date hired or promotion;
8. Conduct two (2) in-house workshops covering specific component(s) of basic resource management;
9. Respond timely to all information requests from investigative agencies as well as attend scheduled hearings. Log and record the disposition of all such proceedings. Coordinate related legal counsel;
10. Review and update as needed job classification descriptions for classified employees (not covered by Union Labor Agreement).

Resources Required: \$125,102

Work Hours Required: 4,600

LABOR RELATIONS (021)

Description:

1. Negotiate to a mutual agreement seven (7) labor contracts within 30 days of their expiration;
2. Produce contract documents for supervisory staff;
3. Update and refine the plan that provides

LABOR RELATIONS (021) (continued)

Description:

- for continued operations in the event of any type of work stoppage through knowledge gained by 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 contract;
  5. Hold supervisory training sessions on grievance procedures.

Performance Criteria:

1. Labor agreements with AFSCME; Local 668, IUOE, Local 35; 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 in subject of grievance handling procedures.

Resources Required: \$55,380

Work Hours Required: 1,550

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

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

Description:

- and continually review all outstanding claims to ensure that action is taken and acknowledgment received;
2. Administer the overall Worker's Compensation program to ensure that claims are processed on a timely basis and that the insurance carrier is servicing the claim properly;
  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 liason between the insurance carriers and the Commission employees. To maintain all insurance files, 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. Quarterly report developed. Review claims with Safety Department and Department Directors when appropriate to assist in reduction of accidents;
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

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

Performance Criteria:

- 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: \$926,688

Work Hours Required: 3,800

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 1985 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.

PURCHASING (023) (continued)

Performance Criteria:

1. 90% of all purchase orders processed completely within three (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 documents;
3. Improve on Central Office motor pool use by reviewing all latest information through publication and private information Sec. Groups;
4. Coordinate and communicate with Commission departments and personnel the information gathered from multi-function computer program covering purchasing, warehousing, maintenance management; and print semi-annually 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 levels;
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. To become aware of new production and service through education and participation in hands-on experience and discussions with supply sources.

Resources Required: \$160,502

Work Hours Required: 9,100

COMPTROLLER ADMINISTRATION (024)

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

COMPTROLLER ADMINISTRATION (024) (cont.)

Description:

1. Provide coordination and supervision of departmental programs to accomplish their objectives through monthly reviews of objectives and budgets;
2. Respond to external requests 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 government and industrial computer installations and by attendance at the National Municipal 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 request;
5. File all Commission items and documents within three (3) days of receipt;
6. Invest Federal and State Grant funds on the same day as received;
7. Prepare a budget calendar and perform all budget related functions within that calendar;
8. Devote time to creative thinking and the broadening of Commission needs through six (6) planned conferences with Commission personnel.

Performance Criteria:

1. Degree of attainment of program objectives and were program budgets adhered to;
2. Were the responses timely;
3. How were the computer systems improved;
4. Were all cost effectiveness studies prepared within 30 days;

COMPTROLLER ADMINISTRATION (024) (continued)

Performance Criteria:

5. Were Commission items filed within three (3) days of receipt;
6. Were Federal and State Grant funds invested the same day;
7. Was the budget prepared in accordance with the budget calendar;
8. Were six (6) planned conferences held with Commission personnel;
9. Objectives met, manhours complied with and Budget adhered to.

Resources Required: \$107,735

Work Hours Required: 4,480

ACCOUNTING & COLLECTIONS (025)

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 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

ACCOUNTING & COLLECTIONS (025) (cont.)

Description:

- Federal grants and reconcile balances with the grants administration selection 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 request for financial information within one (1) day of the request.

Performance Criteria:

1. Fixed asset system maintained to satisfaction of State Auditor;
2. Number of months financial report not forwarded seven (7) days prior to Commission meeting;
3. Did State Auditor give the opinion that the reports presented fairly the financial position of MWCC;
4. Number of SAC audits not made by the end of 1983;
5. Number of SAC monies not received by end of the month;
6. Number of SSC monies not received by end of the month;
7. Number of months government grants not reconciled by the 5th day of the month;
8. Number of ISC monies not received within 30 days of billing;
9. Number replied to within one (1) day divided by the total requests, equal to 90%;
10. Objectives met, manhours complied with and budget adhered to.

Resources Required: \$180,944

Work Hours Required: 6,060

## DISBURSEMENTS (026)

### Description:

1. Remit 80% of vendor's invoices and utility bills within 30 days;
2. Remit 80% 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 by noon on the 1st Wednesday of each month.

### Performance Criteria:

1. Number of invoices not paid within 30 days to total;
2. Number of discount invoices not paid within discount period;
3. Number of times disbursement list for Commission not forwarded to Chief Administrator;
4. Objectives met, manhours complied with and budget adhered to.

Resources Required: \$103,604

Work Hours Required: 9,070

## PAYROLL (027)

### Description:

1. Furnish data to compute payroll checks three (3) days before payroll day;
2. Remit 90% of deductions taken on payroll checks to proper entities within 10 days after payroll day;
3. Generate quarterly overtime reports within 45 days after end of quarter;
4. Labor distribution data forwarded to computer center as per schedule.

### Performance Criteria:

1. Number of times payroll data not forwarded

## PAYROLL (027) (continued)

### Performance Criteria:

- three (3) days before payroll date;
2. Number of remittances for deductions not forwarded within 10 days after payroll;
3. Number of times overtime reports not forwarded within 45 days;
4. Number of times labor distribution data not forwarded on time;
5. Objectives met, manhours complied with and budget adhered to.

Resources Required: \$137,727

Work Hours Required: 9,400

## 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 12/31/84;
2. Meet October 1, 1984, Metropolitan Debt Service payment required;
3. Grant all credits for acquisition cost assumed by Commission by 12/31/84.

Resources Required: \$25,843,517

Work Hours Required: -0-

## OPERATIONS ADMINISTRATION (029)

Description: To administer and oversee operation of all Commission wastewater treatment plants, conveyance system, 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.

1. To attain 97% compliance with NPDES permit effluent limitations at the Metropolitan Plant during 1984;
2. To attain an average of 97% compliance with NPDES effluent limitations at wastewater treatment plants other than the Metropolitan Plant during 1984;
3. To attain effluent quality performance at the Metro Plant equal to 90% frequency and 40% severity and at other treatment plants an average equal to 90% frequency and 35% severity;
4. To maintain air quality emissions in compliance with conditions of operating permits and other agreements;
5. To maintain conditions of safety at facilities such that accident rates are equal to or better than averages for the industry;
6. Monitor financial status of Operations Department programs to assure compliance with the 1984 Operating Budget.

### Performance Criteria:

1. Compliance with NPDES permits at the Metro Plant in 1984 compared with 97%;
2. Average compliance at other plants in 1984 compared with 96%;
3. The actual frequency and severity rates of effluent quality for the Metro Plant and for the average of other plants;
4. Percentage of the time operating permit conditions are met based on testing;
5. Comparison of accident frequency rates with industry averages;

## OPERATIONS ADMINISTRATION (029) (cont.)

### Performance Criteria:

6. Percentage compliance, quarterly, with the 1984 Operating Budget.

Resources Required: \$205,278

Work Hours Required: 8,560

## PROCESS ASSURANCE (030)

Description: To provide technical and administrative assistance to Commission wastewater treatment plants for the purpose of process control; planning, design, and construction coordination; and reporting practices. To administer the NPDES permit system, and to provide timely and consistent communication with the Minnesota Pollution Control Agency. To prepare reports, letters, and other documents necessary to summarize the operation and needs of Commission wastewater treatment plants. To insure the cost effective, practical, and environmentally sound operation of all Commission wastewater treatment plants.

### Performance Criteria:

1. Average compliance at all plants (97% compliance);
2. Average frequency at all plants (90% frequency);
3. Average severity at all plants (35% severity);
4. Air emission performance test compliance (90% passing). Compliance with testing requirements particulate emissions, visible emissions, and odor emissions at Metro and Seneca incineration facilities;
5. NPDES administrative compliance; compliance with submittal dates for permit applications, DMR comments, correspondence replies (90% of all submittals on time);
6. Summarize information for 1983 Treatment Plant Operating Report by April 1, 1984;

PROCESS ASSURANCE (030) (continued)

Performance Criteria:

7. Complete or update plant capacity reports for five (5) treatment plants;
8. Manage Program 030 within the operating budget.

Resources Required: \$184,685

Work Hours Required: 10,800

MAJOR EMERGENCY REPAIR (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 1984 operating budget.

Performance Criteria:

1. Complete major emergency repairs in an expeditious manner;
2. Quarterly reports of percent compliance within the 1984 Operating Budget.

Resources Required: \$140,000

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;

SCHEDULE 3-19

MANAGEMENT INFORMATION SYSTEMS (032)  
(continued)

Description:

6. Increase computer hardware to meet user needs;
7. Operate within 1984 budget.

Performance Criteria:

1. Development proceedings per schedule;
2. Programs being developed for simple applications;
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 back-up 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: \$344,661

Work Hours Required: 6,500

REGULATOR SYSTEM (033)

Description:

1. To keep in good working order 17 instrumented and 120 non-instrumented combined sewer regulator installations through a complete inspection and preventative maintenance program;
2. To prepare and submit to Engineering Department and MPCA monthly overflow summaries;
3. Manage within limits of the 1984 Operating Budget.

### REGULATOR SYSTEM (033) (continued)

#### Performance Criteria:

1. Keep maintenance schedule current;
2. Submit reports on time;
3. Quarterly report of percent compliance with 1984 Operating Budget.

Resources Required: \$354,873

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 the 1984 Interceptor Programs;
2. To develop and review plans for new facilities and programs;
3. To manage within the limits of the 1984 Operating Budget;
4. Maintain a comprehensive safety program.

#### Performance Criteria:

1. Forward status reports by the 15th of each month;
2. Review Engineering Department plans and specifications on schedule, detect program deficiencies and include in the 1984 Operating Budget;
3. Quarterly report of percent compliance with the 1984 Operating Budget;
4. Conduct monthly safety meetings, participate on safety committee, review, implement new procedures and equipment.

Resources Required: \$246,820

Work Hours Required: 10,310

### INTERCEPTOR SYSTEM MAINTENANCE (035)

#### Description:

1. Review costs, monitor performance and maintain liaison with communities related to Interceptor Maintenance and Rental Agreements;
2. Complete scheduled inspection and repair of interceptor gravity sewers;
3. Perform Inflow/Infiltration investigation and rehabilitation;
4. Perform major cleaning operations as required;
5. Manage within the limits of the 1984 budget.

#### Performance Criteria:

1. Review Maintenance and Rental contracts for cost and performance;
2. Complete scheduled inspections, repairs and reports;
3. Report quarterly percent compliance with the 1984 Operating Budget.

Resources Required: \$831,621

Work Hours Required: 14,161

### LIFT STATIONS (036)

#### Description:

1. To continuously keep in good operating order 60 lift stations by means of a first and second echelon maintenance program;
2. To continuously keep in good working order the alarm system for 60 lift stations and 8 treatment plants;
3. To continue a preventative maintenance program for 8 treatment plants;



#### LIFT STATIONS (036) (continued)

##### Description:

4. Manage within the limits of the 1984 Operating Budget.

##### Performance Criteria:

1. All stations in good operating condition and adhere to preventative maintenance schedules;
2. Keep alarm system continuously operational;
3. Keep preventative maintenance on schedule;
4. Quarterly report of percent compliance with 1984 Operating Budget.

Resources Required: \$1,892,482

Work Hours Required: 45,193

#### METERING STATIONS (037)

##### Description:

1. Keep 159 flow meters in good working order through preventative maintenance and quarterly calibration schedule;
2. Schedule calibrations as effectively 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 committee every half year;
5. Assist Engineering in contacting 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 1984 Budget.

#### METERING STATIONS (037) (continued)

##### 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 each community asking for flow information on six month basis;
5. Make calls to communities when I/I problems occur;
6. Keep computer maintenance schedule up-to-date;
7. Prepare to replace old Honeywell 316 Computer;
8. Quarterly report of percent compliance with 1984 Operating Budget.

Resources Required: \$782,100

Work Hours Required: 23,793

#### EMPIRE PLANT OPERATIONS (038)

##### Description:

1. To achieve a minimum annual average compliance with NPDES permit effluent limitations of 97%;
2. To attain effluent quality performance equal to 95% frequency and 25% severity;
3. Manage operations within the limits of the 1984 Operating Budget;
4. To identify safety hazards and promote response to their correction.

##### Performance Criteria:

1. Annual average percentage compliance with NPDES permit effluent limitations;

EMPIRE PLANT OPERATIONS (038) (continued)

Performance Criteria:

2. The actual frequency and severity rates of effluent quality during the calendar year;
3. Quarterly report of percent compliance with 1984 Operating Budget;
4. Conduct at least six (6) plant safety committee meetings per year, and respond to all monthly Safety Department inspections within a week.

Resources Required: \$1,353,494

Work Hours Required: 35,404

METRO PLANT (039)

Description:

1. Maintain 97% compliance, 90% frequency, and 40% severity;
2. Reduce accidents by 5%;
3. Train and certify in-house 25 Assistant Operators assigned to Region I;
4. Meeting 1984 Operating Budget.

Performance Criteria:

1. Meet NPDES Permit Compliance:
2. Accidents reduced in 1984 by:
  - a) Weekly safety inspections by Deputy Director of Operations.
  - b) Analysis by utilities of proper performance of tasks.
  - c) Training by B.O.3 and B.O. 2 of subordinates in proper performance of tasks.
  - d) Institution of training films on safety in areas of most frequent accidents.
  - e) Continuation of safety violation reports submitted by employees to Deputy Director of Operations.

METRO PLANT (039) (continued)

Performance Criteria:

3. Set up and implement training program for 25 A.O. positions in Region I leading to in-house certification by December, 1984;
4. Amount expended versus amount budgeted within 3%.

Resources Required: \$24,524,550

Work Hours Required: 682,024

METRO MAINTENANCE (040)

Description:

1. Provide maintenance services to assure that operational units of the plant meet 97% compliance effluent limitations during 1984;
2. Provide maintenance services to assure that operational 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 1984 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 directly affecting NPDES Permits or performance goals;

METRO MAINTENANCE (040) (continued)

Performance Criteria:

3. Number of emergency work orders not completed in a timely manner;
4. Comparison to 1984 Operating Budget;
5. Number of grievances going to Step III;
6. Hours of training accomplished.

Resources Required: \$11,075,144

Work Hours Required: 330,600

SENECA TREATMENT PLANT (041)

Description:

1. To achieve a minimum annual average compliance with NPDES Permit effluent limitations of 97%;
2. To obtain effluent quality performance equal to 93% frequency and 33% severity;
3. To operate within the limits of the MPCA Operating Permit for stack gases 93% of the time;
4. To manage operations within the limits of the 1984 Operating Budget;
5. Maintenance of satisfactory labor relations.

Performance Criteria:

1. Annual average percentage compliance with NPDES Permit effluent limitations;
2. The actual frequency and severity rates of effluent quality during the calendar year;
3. Hours of inadequate control of stack gases due to operation or maintenance deficiencies;

SENECA TREATMENT PLANT (041) (cont.)

Performance Criteria:

4. Comparison of actual expenditures to budget amounts;
5. Resolution of all grievances in a manner to establish a good working atmosphere between management and labor.

Resources Required: \$3,723,428

Work Hours Required: 96,102

BLUE LAKE PLANT (042)

Description:

1. To achieve a minimum annual average compliance with NPDES Permit effluent limitations of 99%;
2. To attain effluent quality performance equal to 95% frequency and 33% severity;
3. Manage operations within the limits of the 1984 Operating Budget;
4. Maintain continuous operation of all major treatment process 99% of the time;
5. Maintain safe conditions for plant personnel responding to 95% of all Safety Deficiency reports within 48 hours; conduct six (6) safety meetings for the sludge truck drivers;
6. Establish good labor relations scheduling meetings with labor representatives to maintain a good working relationship with the union.

Performance Criteria:

1. Annual average percentage compliance with NPDES Permit effluent limitations;
2. The actual frequency and severity rates of effluent quality during

BLUE LAKE PLANT (042) (continued)

Performance Criteria:

- the calendar year;
3. Quarterly report of percent compliance with 1984 Operating Budget;
  4. Percent of total hours a major treatment process was out of service;
  5. Percentage of Safety Deficiency reports responded to within 48 hours. Number of safety meetings conducted for the sludge truck drivers;
  6. Number of labor relations meetings held during the calendar year.

Resources Required: \$1,874,178

Work Hours Required: 60,440

CHASKA PLANT (043)

Description:

1. To achieve a minimum average annual 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 limits of the 1984 Operating Budget.

Performance Criteria:

1. Annual average percentage compliance with NPDES Permit effluent limitations;
2. The actual frequency and severity rates of effluent quality during the calendar year;
3. Quarterly report of percentage compliance with the 1984 Operating Budget.

Resources Required: \$294,981

Work Hours Required: 8,970

ANOKA PLANT (044)

Description:

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;
3. Manage operations within the limits of the 1984 Operating Budget.

Performance Criteria:

1. Annual average percentage compliance with NPDES Permit effluent limitations;
2. The actual frequency and severity rates of effluent quality during the calendar year;
3. Quarterly report of percent compliance with the 1984 Operating Budget.

Resources Required: \$311,960

Work Hours Required: 8,380

BAYPORT PLANT (045)

Description:

1. To achieve a minimal 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 limits of the 1984 Operating Budget.

Performance Criteria:

1. Annual average percentage compliance with NPDES Permit effluent limitations;

BAYPORT PLANT (045) (continued)

Performance Criteria:

2. The actual frequency and severity rates of effluent quality during the calendar year;
3. Quarterly report of percent compliance with 1984 Operating Budget.

Resources Required: \$198,976

Work Hours Required: 4,960

COTTAGE GROVE PLANT (046)

Description:

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 35% severity;
3. Manage operations within the limits of the 1984 Operating Budget.

Performance Criteria:

1. Annual average percentage compliance with NPDES Permit effluent limitations;
2. The actual frequency and severity rates of effluent quality during the calendar year;
3. Quarterly report of percent compliance with 1984 Operating Budget.

Resources Required: \$331,730

Work Hours Required: 9,620

HASTINGS PLANT (047)

Description:

1. To achieve a minimum annual average compliance with NPDES Permit effluent limitations of 95%;

HASTINGS PLANT (047) (continued)

Description:

2. To attain effluent quality performance equal to 80% frequency and 33% severity;
3. Manage operations within the limits of the 1984 Operating Budget.

Performance Criteria:

1. Annual average percentage compliance with NPDES Permit effluent limitations;
2. The actual frequency and severity rates of effluent quality during the calendar year;
3. Quarterly report of percent compliance with 1984 Operating Budget.

Resources Required: \$348,663

Work Hours Required: 9,620

STILLWATER PLANT (048)

Description:

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 limits of the 1984 Operating Budget.

Performance Criteria:

1. Annual average percentage compliance with NPDES Permit effluent limitations;
2. Actual frequency and severity rates of effluent quality during the calendar year;

STILLWATER PLANT (048) (continued)

Performance Criteria:

3. Quarterly report of percent compliance with 1984 Operating Budget.

Resources Required: \$382,776

Work Hours Required: 10,840

SAVAGE PLANT (049)

Description:

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 limits of the 1984 Operating Budget.

Performance Criteria:

1. Annual average percentage compliance with NPDES Permit effluent limitations;
2. The actual frequency and severity rates of effluent quality during the calendar year;
3. Quarterly report of percent compliance with 1984 Operating Budget.

Resources Required: \$118,165

Work Hours Required: 4,520

MAPLE PLAIN PLANT (050)

Description:

1. To achieve a minimum annual average compliance with NPDES Permit effluent limitations of 95%;
2. To attain effluent quality performance equal to 85% frequency and 45% severity;

MAPLE PLAIN PLANT (050) (continued)

Description:

3. Manage operations within the limits of the 1984 Operating Budget.

Performance Criteria:

1. Annual average percentage compliance with NPDES Permit effluent limitations;
2. The actual frequency and severity rates of effluent quality during the calendar year;
3. Quarterly report of percent compliance with 1984 Operating Budget.

Resources Required: \$93,797

Work Hours Required: 3,450

MEDINA PLANT (051)

Description:

1. To achieve a minimum annual average compliance with NPDES Permit effluent limitations of 92%, based on the seasonal controlled discharges from the seepage ponds;
2. To attain aerated pond effluent quality performance equal to 70% frequency and 50% severity, based on 25 mg/l BOD and 30 mg/l TSS;
3. Manage operations within the limits of the 1984 Operating Budget.

Performance Criteria:

1. Annual average percentage compliance with NPDES Permit effluent limitations;
2. The actual frequency and severity rates of effluent quality during the calendar year;
3. Quarterly report of percent compliance with 1984 Operating Budget.

MEDINA PLANT (051) (continued)

Resources Required: \$41,161

Work Hours Required: 1,860

SOUTH ST. PAUL LIFT STATION (052)  
(TREATMENT PLANT)

Description:

1. To provide continuous conveyance of wastewater to the Metropolitan Plant;
2. To minimize the plant odors noticeable beyond the plant boundaries;
3. To maintain good safety conditions;
4. To manage operations within the limits of the 1984 Operating Budget.

Performance Criteria:

1. Avoidance of Emergency Discharge;
2. Maintain the number of incidents resulting in odor complaints to less than three (3);
3. Maintain the estimated cost of lost time due to accidents to less than \$0.20 per hour worked;
4. Quarterly Compliance with the 1984 Operating Budget.

Resources Required: \$574,891

Work Hours Required: 16,307

ROSEMOUNT PLANT OPERATIONS (053)

Description:

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 25% severity;
3. Manage operations within the limits of the 1984 Operating Budget;

ROSEMOUNT PLANT OPERATIONS (053)  
(Continued)

Description:

4. To identify safety hazards and promote prompt response to their correction.

Performance Criteria:

1. Annual average percentage compliance with NPDES Permit effluent limitations;
2. The actual frequency and severity rates of effluent quality during the calendar year;
3. Quarterly report of percent compliance with 1984 Operating Budget;
4. Conduct at least six (6) plant safety committee meetings per year, and respond to all monthly Safety Department inspections within a week.

Resources Required: \$637,837

Work Hours Required: 20,240

# SUMMARY STATEMENT OF PROGRAM EXPENDITURES

	<u>Proposed 1984</u>	<u>Budget 1983</u>	<u>Actual 1982</u>
5010 Salaries & Wages	\$27,724,977	\$23,867,441	\$20,595,431
5020 Employee Benefits	5,544,990	4,773,486	3,955,315
5040 Travel - Out State	41,805	33,429	21,031
5041 Travel - Local	17,794	13,821	9,014
5042 Auto Allowance	9,000	9,000	6,750
5045 Employee Recruitment	4,000	5,000	211
5046 Public Hearings	400	200	264
5050 Commission - Per Diem	15,600	14,400	14,900
5051 Commission - Other	2,000	2,000	784
5060 Office Rent	240,000	166,000	165,621
5070 Educational Allowance	23,000	12,000	15,246
5080 Safety	25,000	7,600	22,934
5085 Medical Aids	11,025	10,800	8,249
5090 Cont. Services-Data Processing	81,450	82,300	59,555
5091 Cont. Services-Administration	10,500	9,000	4,455
5092 Cont. Services-Auditing	49,000	33,000	44,789
5093 Cont. Services-Engineering	54,000	59,000	13,844
5094 Cont. Services-Laboratory	36,280	38,330	22,129
5095 Cont. Services-Laundry	130,332	114,411	121,845
5096 Cont. Services-Legal	190,000	260,400	246,937
5097 Cont. Services-Maintenance	1,575,228	1,152,640	1,015,814
5098 Cont. Services-Operations	737,450	562,650	218,105
5099 Cont. Services-Xerox	85,800	76,940	65,897
5100 Cont. Services-Sludge Disposal	448,800	1,375,500	2,410,451
5101 Cont. Services-Janitorial	37,574	54,428	33,463
5102 Cont. Services-Other	591,124	553,750	433,653
5200 Materials & Supplies	1,205,380	1,363,742	802,714
5210 Maintenance Material & Supplies	2,616,286	2,323,005	2,080,315
5300 Office Supplies	69,450	68,700	56,875
5310 Publications	31,400	32,785	19,614
5320 Postage	28,630	32,040	20,903
5330 Office Equipment Repair	7,800	7,600	4,852
5340 Advertising	3,350	3,250	2,455
5350 Dues & Subscriptions	16,788	13,371	13,789
5360 Meal Allowance	-0-	200	1,284
5370 Flood Control	10,500	-0-	-0-
5390 Council Participation	115,000	110,000	104,508
5500 Motor Vehicle Expense	803,118	737,590	606,210
5620 Interceptor Rental Contract	128,427	84,652	106,102



		<u>Proposed 1984</u>	<u>Budget 1983</u>	<u>Actual 1982</u>
5630	Interceptor Maintenance Cont.	\$ 180,700	\$ 172,620	\$ 120,427
5700	Insurance - Auto	53,792	57,200	101,017
5701	Insurance - Blanket Bond	1,700	1,725	1,650
5702	Insurance-Building & Property	209,137	173,491	152,292
5703	Insurance-General Liability	63,581	83,652	-0-
5704	Insurance-Workman's Compensation	491,275	442,095	610,100
5705	Insurance-Excess Liability	30,841	36,659	29,320
5706	Insurance-Other	12,750	10,222	12,162
5800	Utilities - Electrical	8,458,052	8,313,077	6,036,948
5801	Utilities - Fuel	586,670	1,645,060	1,205,117
5802	Utilities - Gas	2,002,805	2,197,945	2,232,234
5803	Utilities - Water	118,251	146,270	108,711
5850	Telephone Service	202,898	174,241	163,287
5851	Leased Lines	199,799	175,255	149,364
5900	Chemicals - Ferric Chloride	275,494	755,070	1,106,597
5902	Chemicals - Lime	273,205	575,788	1,040,450
5903	Chemicals - Other	574,100	914,946	271,926
5904	Polymers	709,407	769,990	68,542
5905	Chemicals - Acids	38,250	24,300	30,066
5940	Chlorine	269,549	304,957	215,434
5999	Miscellaneous	20,350	20,600	17,123
6010	Debt Service-Local Government	1,472,696	1,662,384	1,754,402
5020	Debt Service-Metro Council	20,298,733	16,619,071	14,721,678
6100	Acquisition Costs	4,072,088	4,072,088	4,069,088
6200	Capital Outlay	<u>1,014,044</u>	<u>740,089</u>	<u>415,872</u>
	Totals	<u>\$84,353,425</u>	<u>\$78,153,256</u>	<u>\$67,960,116</u>

# PROGRAM DETAIL COSTS

## ADMINISTRATION AND MANAGEMENT (001)

5010	Salaries & Wages	\$151,810
5020	Employee Benefits	30,362
5040	Travel-Out State	6,300
5046	Public Hearings	200
5060	Office Rent	240,000
5096	Cont. Serv. - Legal	175,000
5350	Dues & Subscriptions	8,000
5390	Council Participation	115,000
5999	Miscellaneous	750
6200	Capital Outlay	750
5042	Auto Allowance	7,200
	<b>Total</b>	<b>\$735,372</b>

## COMMISSION ADMINISTRATION (002)

5010	Salaries & Wages	\$111,810
5020	Employee Benefits	22,360
5040	Travel-Out State	3,000
5042	Auto Allowance	1,800
5046	Public Hearings	200
5050	Commission - Per Diem	15,600
5051	Commission - Other	2,000
5096	Cont. Serv. - Legal	15,000
5999	Miscellaneous	1,000
6200	Capital Outlay	3,000
	<b>Total</b>	<b>\$175,770</b>

## AFFIRMATIVE ACTION (003)

5010	Salaries & Wages	\$ 77,462
5020	Employee Benefits	15,492
5040	Travel-Out State	800
5041	Travel - Local	575
5091	Cont. Serv. - Admin.	2,000
5999	Miscellaneous	500
6200	Capital Outlay	500
	<b>Total</b>	<b>\$ 97,329</b>

## PUBLIC INFORMATION (004)

5010	Salaries & Wages	\$ 66,263
5020	Employee Benefits	13,253
5040	Travel-Out State	900
5041	Travel-Local	1,000
5102	Cont. Serv. - Other	6,000

## PUBLIC INFORMATION (004) (continued)

5200	Materials & Supplies	\$ 4,000
5310	Publications	24,600
5320	Postage	7,380
5350	Dues & Subscriptions	1,200
5999	Miscellaneous	300
	<b>Total</b>	<b>\$124,896</b>

## SAFETY (005)

5010	Salaries & Wages	\$ 59,422
5020	Employee Benefits	11,884
5040	Travel-Out State	800
5085	Medical Aids	8,450
5090	Cont. Serv. - Data Proc.	1,250
5102	Cont. Serv. - Other	14,600
5200	Materials & Supplies	5,500
5350	Dues & Subscriptions	1,900
5500	Motor Vehicle Expense	2,590
6200	Capital Outlay	4,600
	<b>TOTAL</b>	<b>\$110,996</b>

## CAREER DEVELOPMENT (006)

5010	Salaries & Wages	\$ 3,600
5020	Employee Benefits	720
5041	Travel-Local	100
5070	Educational Allowance	23,000
5999	Miscellaneous	100
	<b>Total</b>	<b>\$ 27,520</b>

## GRANTS ADMINISTRATION (007)

5010	Salaries & Wages	\$ 61,552
5020	Employee Benefits	12,310
5040	Travel-Out State	375
5041	Travel-Local	150
5350	Dues & Subscriptions	1,550
5999	Miscellaneous	300
	<b>Total</b>	<b>\$ 76,237</b>

ENGINEERING ADMINISTRATION (008)

5010	Salaries & Wages	\$129,981
5020	Employee Benefits	25,996
5040	Travel-Out State	4,600
5041	Travel-Local	1,810
5093	Cont. Serv. - Engineering	25,000
5200	Materials & Supplies	6,000
5310	Publications	400
5350	Dues & Subscriptions	1,125
5500	Motor Vehicle Expense	2,000
6200	Capital Outlay	750
	<b>Total</b>	<b>\$197,662</b>

COMMUNITY SERVICES (009)

5010	Salaries & Wages	\$159,073
5020	Employee Benefits	31,815
	<b>Total</b>	<b>\$190,888</b>

ENGINEERING SERVICES (010)

5010	Salaries & Wages	\$175,625
5020	Employee Benefits	35,125
	<b>Total</b>	<b>\$210,750</b>

QUALITY CONTROL ADMINISTRATION (011)

5010	Salaries & Wages	\$142,385
5020	Employee Benefits	28,477
5040	Travel-Out State	6,750
5041	Travel-Local	1,630
5102	Cont. Serv. - Other	1,450
5200	Materials & Supplies	1,300
5310	Publications	3,100
5350	Dues & Subscriptions	547
5500	Motor Vehicle Expense	2,100
6200	Capital Outlay	5,000
	<b>Total</b>	<b>\$192,739</b>

INDUSTRIALS WASTES (012)

5010	Salaries & Wages	\$499,599
5020	Employee Benefits	99,920
5041	Travel-Local	200
5090	Cont. Serv. - Data Proc.	6,000
5200	Materials & Supplies	14,000
5500	Motor Vehicle Expense	6,840

INDUSTRIAL WASTES (012) (continued)

5999	Miscellaneous	\$ 200
6200	Capital Outlay	27,350
	<b>Total</b>	<b>\$652,109</b>

RESEARCH & DEVELOPMENT (013)

5010	Salaries & Wages	\$135,260
5020	Employee Benefits	27,052
5090	Cont. Serv. - Data Proc.	1,000
5102	Cont. Serv. - Other	138,800
5200	Materials & Supplies	9,400
5041	Travel - Local	460
5300	Office Supplies	500
5310	Publications	1,250
5500	Motor Vehicle Expense	1,510
5904	Polymers	8,000
6200	Capital Outlay	28,650
	<b>Total</b>	<b>\$351,882</b>

WATER QUALITY MONITORING (014)

5010	Salaries & Wages	\$259,938
5020	Employee Benefits	51,988
5090	Cont. Serv. - Data Proc.	6,000
5097	Cont. Serv. - Maint.	7,200
5102	Cont. Serv. - Other	57,000
5200	Materials & Supplies	15,100
5210	Maint. Materials & Suppl.	1,350
5500	Motor Vehicle Expense	10,400
5851	Leased Lines	15,570
6200	Capital Outlay	29,600
	<b>Total</b>	<b>\$454,146</b>

LABORATORY SERVICES (015)

5010	Salaries & Wages	\$894,561
5020	Employee Benefits	178,912
5041	Travel-Local	500
5090	Cont. Serv. - Data Proc.	1,200
5094	Cont. Serv. - Lab	32,780
5097	Cont. Serv. - Maint.	20,616
5101	Cont. Serv. - Janitorial	3,000
5200	Materials & Supplies	97,000
5310	Publications	1,550
5350	Dues & Subscriptions	600
5500	Motor Vehicle Expense	8,480
6200	Capital Outlay	33,326
	<b>Total</b>	<b>\$1,272,525</b>

AIR QUALITY MONITORING (016)

5010	Salaries & Wages	\$ 88,022
5020	Employee Benefits	17,604
5041	Travel-Local	160
5097	Cont. Serv. - Maint.	3,210
5102	Cont. Serv. - Other	500
5200	Materials & Supplies	14,053
5500	Motor Vehicle Expense	1,680
6200	Capital Outlay	6,270
Total		<u>\$131,499</u>

SLUDGE UTILIZATION ON LAND (017)

5010	Salaries & Wages	\$ 91,207
5020	Employee Benefits	18,241
5041	Travel - Local	230
5090	Cont. Serv. - Data Proc.	2,000
5094	Cont. Serv. - Lab	3,500
5100	Cont. Serv. - Sldg. Rem.	300,000
5102	Cont. Serv. - Other	35,500
5200	Materials & Supplies	21,500
5300	Office Supplies	650
5500	Motor Vehicle Expense	2,340
Total		<u>\$475,168</u>

CONSTRUCTION ADMINISTRATION (018)

5010	Salaries & Wages	\$101,381
5020	Employee Benefits	20,276
5040	Travel-Out State	1,130
5350	Dues & Subscriptions	566
5500	Motor Vehicle Expense	240
Total		<u>\$123,593</u>

BUSINESS SERVICES ADMINISTRATION (019)

5010	Salaries & Wages	\$ 65,620
5020	Employee Benefits	13,124
5040	Travel-Out State	2,150
5041	Travel-Local	100
5099	Cont. Serv. - Xerox	50,000
5300	Office Supplies	37,600
5320	Postage	21,000
5330	Office Equipment Repair	4,300
5850	Telephone Service	49,000
Total		<u>\$242,894</u>

PERSONNEL SERVICES (020)

5010	Salaries & Wages	\$ 81,960
5020	Employee Benefits	16,392
5045	Employee Recruitment	4,000
5102	Cont. Serv. - Other	19,300
5340	Advertising	2,750
5999	Miscellaneous	700
Total		<u>\$125,102</u>

LABOR RELATIONS & EMPLOYEE BENEFIT (021)

5010	Salaries & Wages	\$ 38,650
5020	Employee Benefits	7,730
5091	Cont. Serv. - Admin.	8,500
5999	Miscellaneous	500
TOTAL		<u>\$ 55,380</u>

PROPERTY, CASUALTY AND EMPLOYEE BENEFITS INSURANCE (022)

5010	Salaries & Wages	\$ 53,010
5020	Employee Benefits	10,602
5700	Insurance - Auto	53,792
5701	Insurance-Blanket Bond	1,700
5702	Insurance-Bldg. & Prop.	209,137
5703	Insurance - Gen. Liab.	63,581
5704	Insurance-Workmans Comp.	491,275
5705	Ins. Umbr. Exc. Liab.	30,841
5706	Insurance - Other	12,750
Total		<u>\$926,688</u>

PURCHASING DEPARTMENT (023)

5010	Salaries & Wages	\$125,060
5020	Employee Benefits	25,012
5102	Cont. Serv. - Other	1,000
5340	Advertising	600
5350	Dues & Subscriptions	350
5500	Motor Vehicle Expense	5,280
6200	Capital Outlay	3,200
Total		<u>\$160,502</u>

COMPTROLLER ADMINISTRATION (024)

5010	Salaries & Wages	\$ 84,317
5020	Employee Benefits	16,863
5040	Travel-Out State	1,475
5090	Cont. Serv. - Data Proc.	2,000
5350	Dues & Subscriptions	700

COMPTROLLER ADMINISTRATION (024) (continued)

5500	Motor Vehicle Expense	\$ 1,800
5999	Miscellaneous	300
6200	Capital Outlay	280

Total	\$107,735
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ACCOUNTING & COLLECTIONS (025)

5010	Salaries & Wages	\$ 87,473
5020	Employee Benefits	17,495
5041	Travel - Local	276
5090	Cont. Serv. - Data Proc.	26,000
5092	Cont. Serv. - Auditing	49,000
6200	Capital Outlay	700

Total	\$180,944
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DISBURSEMENTS (026)

5010	Salaries & Wages	\$ 86,337
5020	Employee Benefits	17,267

TOTAL	\$103,604
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PAYROLL (027)

5010	Salaries & Wages	\$ 93,564
5020	Employee Benefits	18,713
5090	Cont. Serv. - Data Proc.	25,000
6200	Capital Outlay	450

TOTAL	\$137,727
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DEBT SERVICE & ACQUISITION COSTS (028)

6010	Debt. Ser.-Loc. Govt.	\$ 1,472,696
6020	Debt. Ser. Metro Coun.	20,298,733
6100	Acquisition Costs	4,072,088

Total	\$25,843,517
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OPERATIONS ADMINISTRATION (029)

5010	Salaries & Wages	\$156,448
5020	Employee Benefits	31,290
5040	Travel-Out State	12,350
5041	Travel - Local	1,830
5500	Motor Vehicle Expense	2,160
5999	Miscellaneous	500
6200	Capital Outlay	700

Total	\$205,278
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SCHEDULE 3-33

PROCESS ASSURANCE (030)

5010	Salaries & Wages	\$149,021
5020	Employee Benefits	29,804
5041	Travel - Local	460
5102	Cont. Serv. - Other	1,500
5200	Materials & Supplies	1,200
5300	Office Supplies	800
5999	Miscellaneous	150
6200	Capital Outlay	1,750

Total	\$184,685
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MAJOR EMERGENCY REPAIR (031)

5093	Cont. Serv. - Eng.	\$ 14,000
5097	Cont. Serv. - Maint.	126,000

Total	\$140,000
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MANAGEMENT INFORMATION SYSTEMS (032)

5010	Salaries & Wages	\$ 95,965
5020	Employee Benefits	19,193
5041	Travel-Local	1,150
5093	Cont. Serv. - Eng.	15,000
5097	Cont. Serv. - Maint.	75,505
5200	Materials & Supplies	18,870
5300	Office Supplies	350
5310	Publications	400
5850	Telephone Service	16,000
5999	Miscellaneous	100
6200	Capital Outlay	102,128

Total	\$344,661
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REGULATOR SYSTEM (033)

5010	Salaries & Wages	\$192,458
5020	Employee Benefits	38,491
5041	Travel-Local	175
5085	Medical Aids	75
5095	Cont. Serv. - Laundry	2,184
5097	Cont. Serv. - Maint.	15,000
5200	Materials & Supplies	5,000
5210	Maint. Materl. & Suppl.	24,300
5300	Office Supplies	350
5500	Motor Vehicle Expense	26,150
5800	Utilities - Electrical	7,150
5851	Leased Lines	15,840
5999	Miscellaneous	150
6200	Capital Outlay	27,550

Total	\$354,873
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INTERCEPTOR SYSTEM ADMINISTRATION (034)

5010	Salaries & Wages	\$148,555
5020	Employee Benefits	29,711
5040	Travel-Out State	1,175
5041	Travel-Local	100
5097	Cont. Serv. - Maint.	6,950
5102	Cont. Serv. - Other	41,875
5300	Office Supplies	1,000
5310	Publications	100
5330	Office Equipment Repair	1,200
5500	Motor Vehicle Expense	2,584
5802	Utilities - Gas	6,900
5850	Telephone Service	4,690
5851	Leased Lines	1,980
	<b>Total</b>	<b>\$246,820</b>

INTERCEPTOR SYSTEM MAINTENANCE (035)

5010	Salaries & Wages	\$221,162
5020	Employee Benefits	44,232
5085	Medical Aids	150
5095	Cont. Serv. - Laundry	1,500
5097	Cont. Serv. - Maint.	36,000
5102	Cont. Serv. - Other	50
5200	Materials & Supplies	82,550
5210	Maint. Materl. & Suppl.	15,000
5300	Office Supplies	250
5500	Motor Vehicle Expense	25,000
5620	Interceptor Rental Cont.	128,427
5630	Interceptor Maint. Cont.	180,700
5999	Miscellaneous	100
5041	Travel - Local	1,000
6200	Capital Outlay	95,500
	<b>Total</b>	<b>\$831,621</b>

LIFT STATIONS (036)

5010	Salaries & Wages	\$718,593
5020	Employee Benefits	143,719
5041	Travel - Local	1,000
5085	Medical Aids	750
5095	Cont. Serv. - Laundry	7,800
5097	Cont. Serv. - Maint.	86,500
5102	Cont. Serv. - Other	1,800
5200	Materials & Supplies	81,100
5210	Maint. Materl. & Suppl.	124,700
5300	Office Supplies	550
5500	Motor Vehicle Expense	81,270
5800	Utilities - Electrical	485,025
5802	Utilities - Gas	33,100
5803	Utilities - Water	3,400
5850	Telephone Service	10,200

LIFT STATIONS (036) (continued)

5851	Leased Lines	\$ 47,700
5940	Chlorine	2,575
5999	Miscellaneous	3,000
6200	Capital Outlay	59,700

<b>Total</b>	<b>\$1,892,482</b>
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METERING STATIONS (037)

5010	Salaries & Wages	\$384,148
5020	Employee Benefits	76,830
5041	Travel-Local	443
5085	Medical Aids	200
5095	Cont. Serv. - Laundry	1,871
5097	Cont. Serv. - Maint.	29,856
5102	Cont. Serv. - Other	1,450
5200	Materials & Supplies	17,487
5210	Maint. Materl. & Suppl.	58,675
5300	Office Supplies	500
5500	Motor Vehicle Expense	35,000
5800	Utilities - Electrical	18,278
5851	Leased Lines	105,612
5999	Miscellaneous	750
6200	Capital Outlay	51,000
<b>Total</b>	<b>\$782,100</b>	

EMPIRE PLANT (038)

5010	Salaries & Wages	\$772,078
5020	Employee Benefits	154,416
5041	Travel - Local	700
5085	Medical Aids	300
5090	Cont. Serv. - Data Proc.	10,000
5095	Cont. Serv. - Laundry	7,200
5097	Cont. Serv. - Maint.	37,000
5098	Cont. Serv. - Operations	4,300
5099	Cont. Serv. - Xerox	1,600
5100	Cont. Serv. - Sldg. Disp.	4,000
5102	Cont. Serv. - Other	1,400
5200	Materials & Supplies	31,300
5210	Maint. Mtls. & Spls.	61,000
5300	Office Supplies	1,500
5330	Office Equip. Repair	200
5500	Motor Vehicle Expense	13,300
5800	Utilities - Electrical	168,100
5801	Utilities - Fuel	31,500
5802	Utilities - Gas	3,800
5850	Telephone Service	5,100
5903	Chemicals - Other	500
5904	Polymers	32,500
5940	Chlorine	2,200
6200	Capital Outlay	9,500

<b>Total</b>	<b>\$1,353,494</b>
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OPERATIONS, METRO PLANT (039)

5010	Salaries & Wages	\$10,410,890
5020	Employee Benefits	2,082,178
5041	Travel-Local	1,000
5080	Safety	25,000
5090	Cont. Serv. - Data Proc.	3,000
5095	Cont. Serv. - Laundry	83,265
5098	Cont. Serv. - Operations	596,950
5099	Cont. Serv. - Xerox	25,000
5101	Cont. Serv. - Janitorial	7,604
5102	Cont. Serv. - Other	216,380
5200	Materials & Supplies	666,280
5300	Office Supplies	20,500
5330	Office Equipment Repair	1,600
5500	Motor Vehicle Expense	181,274
5800	Utilities - Electrical	6,784,000
5801	Utilities - Fuel	378,720
5802	Utilities - Gas	1,377,732
5803	Utilities - Water	74,382
5850	Telephone Service	85,000
5900	Chemicals - Ferric Chlor.	54,494
5902	Chemicals - Lime	54,805
5903	Chemicals - Other	353,401
5904	Polymers	568,907
5905	Chemicals - Acids	38,250
5940	Chlorine	198,748
5999	Miscellaneous	5,000
5370	Flood Control	10,500
6200	Capital Outlay	219,690

Total \$24,524,550

MAINTENANCE, METRO PLANT (040)

5010	Salaires & Wages	\$ 6,558,320
5020	Employee Benefits	1,311,664
5041	Travel-Local	1,000
5097	Cont. Serv. - Maint.	872,500
5099	Cont. Serv. Xerox	3,000
5102	Cont. Serv. - Other	9,000
5210	Maint. Materials & Suppl.	2,083,160
5300	Office Supplies	2,500
5500	Motor Vehicle Expense	30,000
5999	Miscellaneous	1,000
6200	Capital Outlay	203,000

Total \$11,075,144

SENECA TREATMENT PLANT (041)

5010	Salaries & Wages	\$ 1,453,257
5020	Employee Benefits	290,651
5041	Travel-Local	300
5085	Medical Aids	600

SENECA TREATMENT PLANT (041) (continued)

5095	Cont. Serv. - Laundry	\$ 7,700
5097	Cont. Serv. - Maint.	127,850
5098	Cont. Serv. - Operations	135,000
5099	Cont. Serv. - Xerox	2,500
5101	Cont. Serv. - Janitorial	21,970
5200	Materials & Supplies	42,850
5210	Maint. Materl. & Suppl.	134,000
5300	Office Supplies	2,200
5330	Office Equipment Repair	250
5350	Dues & Subscriptions	250
5500	Motor Vehicle Expense	6,400
5800	Utilities - Electrical	292,200
5801	Utilities - Fuel	153,500
5802	Utilities - Gas	466,000
5803	Utilities - Water	6,050
5850	Telephone Service	16,500
5851	Leased Lines	900
5900	Chemicals - Ferr. Chlor.	212,000
5902	Chemicals - Lime	200,000
5903	Chemicals - Other	7,000
5904	Polymers	100,000
5940	Chlorine	33,000
5999	Miscellaneous	1,500
6200	Capital Outlay	9,000

TOTAL \$ 3,723,428

BLUE LAKE PLANT (042)

5010	Salaries & Wages	\$ 1,007,736
5020	Employee Benefits	201,547
5041	Travel - Local	325
5085	Medical Aids	100
509	Cont. Serv. -	6,500
5097	Cont. Serv. - Maint.	11,000
5099	Cont. Serv. - Xerox	2,500
5100	Cont. Serv. - Sldg. Rem.	9,600
5101	Cont. Serv. - Janitorial	5,000
5102	Cont. Serv. - Other	27,300
5200	Materials & Supplies	36,000
5210	Maint. Materl. & Suppl.	900
5320	Postage	250
5330	Office Equipment Repair	250
5500	Motor Vehicle Expense	242,000
5800	Utilities - Electrical	246,000
5801	Utilities - Fuel	1,170
5802	Utilities - Gas	24,000
5803	Utilities - Water	17,500
5850	Telephone Service	6,300
5903	Chemicals - Other	300
5940	Chlorine	14,300
5999	Miscellaneous	300
6200	Capital Outlay	13,300

Total \$ 1,874,178

CHASKA PLANT (043)

5010	Salaries & Wages	\$134,526
5020	Employee Benefits	25,905
5041	Travel - Local	120
5095	Cont. Serv. - Laundry	1,225
5097	Cont. Serv. - Maint.	6,000
5102	Cont. Serv. - Other	1,200
5200	Materials & Supplies	3,000
5210	Maint. Materl. & Suppl.	9,250
5500	Motor Vehicle Expense	11,000
5800	Utilities - Electrical	32,000
5801	Utilities - Fuel	330
5803	Utilities - Water	3,900
5850	Telephone Service	725
5851	Leased Lines	1,600
5903	Chemicals - Other	49,000
5940	Chlorine	900
5999	Miscellaneous	300
6200	Capital Outlay	13,000

Total \$294,981

ANOKA PLANT (044)

5010	Salaries & Wages	\$128,416
5020	Employee Benefits	25,684
5041	Travel - Local	200
5095	Cont. Serv. - Laundry	680
5097	Cont. Serv. - Maint.	5,000
5100	Cont. Serv. Sldg. Rem.	1,000
5102	Cont. Serv. - Other	600
5200	Materials & Supplies	1,000
5210	Maint. Materl. & Suppl.	6,000
5500	Motor Vehicle Expense	11,360
5800	Utilities - Electrical	61,930
5801	Utilities - Fuel	4,000
5803	Utilities - Water	1,050
5850	Telephone Service	700
5851	Leased Lines	1,120
5903	Chemicals - Other	1,500
5940	Chlorine	6,520
5999	Miscellaneous	200
6200	Capital Outlay	55,000

Total \$311,960

BAYPORT PLANT (045)

5010	Salaries & Wages	\$ 78,687
5020	Employee Benefits	15,737
5095	Cont. Serv. - Laundry	726
5097	Cont. Serv. - Maint.	9,560
5099	Cont. Serv. - Xerox	300
5100	Cont. Serv.-Sldg. Rem.	2,000

BAYPORT PLANT (045) (continued)

5102	Cont. Serv. - Other	\$ 2,000
5200	Materials & Supplies	2,400
5210	Maint. Materl. & Suppl.	7,344
5500	Motor Vehicle Expense	12,860
5800	Utilities - Electrical	32,276
5801	Utilities - Fuel	2,000
5802	Utilities - Gas	5,652
5803	Utilities - Water	4,089
5850	Telephone Service	735
5851	Leased Lines	1,227
5903	Chemicals - Other	19,912
5940	Chlorine	1,071
5999	Miscellaneous	400

Total \$ 198,976

COTTAGE GROVE PLANT (046)

5010	Salaries & Wages	\$ 147,502
5020	Employee Benefits	29,500
5095	Cont. Serv. - Laundry	1,117
5097	Cont. Serv. - Maint.	17,182
5099	Cont. Serv. - Xerox	300
5100	Cont. Serv.-Sldg. Rem.	25,000
5102	Cont. Serv. - Other	1,925
5200	Materials & Supplies	4,000
5210	Maint. Materl. & Suppl.	14,300
5500	Motor Vehicle Expense	19,760
5800	Utilities - Electrical	42,652
5801	Utilities - Fuel	2,000
5802	Utilities - Gas	20,400
5850	Telephone Service	638
5851	Leased Lines	533
5903	Chemicals - Other	1,950
5940	Chlorine	2,471
5999	Miscellaneous	500

Total \$ 331,730

HASTINGS PLANT (047)

5010	Salaries & Wages	\$ 147,320
5020	Employee Benefits	29,464
5095	Cont. Serv. - Laundry	1,036
5097	Cont. Serv. - Maint.	5,000
5099	Cont. Serv. - Xerox	300
5100	Cont. Serv. - Sldg. Rem.	23,000
5102	Cont. Serv. - Other	2,160
5200	Materials & Supplies	3,286
5210	Maint. Materl. & Suppl.	14,507
5500	Motor Vehicle Expense	20,350
5800	Utilities - Electrical	44,823
5801	Utilities - Fuel	2,000
5802	Utilities - Gas	9,541



HASTINGS PLANT (047) (continued)

5803	Utilities - Water	\$ 800
5850	Telephone Service	859
5851	Leased Lines	1,579
5903	Chemicals - Other	39,137
5940	Chlorine	3,001
5999	Miscellaneous	500

Total \$348,663

STILLWATER PLANT (048)

5010	Salaries & Wages	\$166,629
5020	Employee Benefits	33,326
5095	Cont. Serv. - Laundry	1,196
5097	Cont. Serv. - Maint.	24,199
5099	Cont. Serv. - Xerox	300
5100	Cont. Serv.-Sldg. Rem.	5,000
5102	Cont. Serv. - Other	1,994
5200	Materials & Supplies	3,354
5210	Maint. Materl. & Suppl.	12,100
5500	Motor Vehicle Expense	23,640
5800	Utilities - Electrical	29,621
5801	Utilities - Fuel	2,000
5802	Utilities - Gas	10,115
5850	Telephone Service	751
5851	Leased Lines	1,188
5903	Chemicals - Other	65,100
5940	Chlorine	1,763
5999	Miscellaneous	500

Total \$382,776

SAVAGE PLANT (049)

5010	Salaries & Wages	\$ 67,834
5020	Employee Benefits	13,566
5041	Travel - Local	230
5095	Cont. Serv. - Laundry	765
5097	Cont. Serv. - Maint.	1,500
5102	Cont. Serv. - Other	740
5200	Materials & Supplies	650
5210	Maint. Materl. & Suppl.	4,700
5500	Motor Vehicle Expense	1,650
5800	Utilities - Electrical	13,700
5801	Utilities - Fuel	300
5802	Utilities - Gas	7,200
5803	Utilities - Water	1,900
5850	Telephone Service	1,030
5851	Leased Lines	1,350
5903	Chemicals - Other	300
5940	Chlorine	550
5999	Miscellaneous	200

Total \$118,165

MAPLE PLAIN PLANT (050)

5010	Salaries & Wages	\$ 54,431
5020	Employee Benefits	10,886
5095	Cont. Serv. - Laundry	340
5097	Cont. Serv. - Maint.	1,000
5100	Cont. Serv. - Sldg. Rem.	500
5102	Cont. Serv. - Other	400
5200	Materials & Supplies	600
5210	Maint. Materl. & Suppl.	4,000
5500	Motor Vehicle Expense	4,800
5800	Utilities - Electrical	8,890
5801	Utilities - Fuel	4,150
5803	Utilities - Water	330
5850	Telephone Service	820
5851	Leased Lines	1,200
5903	Chemicals - Other	500
5940	Chlorine	550
5999	Miscellaneous	400

Total \$ 93,797

MEDINA PLANT (051)

5010	Salaries & Wages	\$ 27,957
5020	Employee Benefits	5,591
5097	Cont. Serv. - Maint.	2,000
5200	Materials & Supplies	100
5210	Maint. Materl. & Suppl.	1,500
5500	Motor Vehicle Expense	1,300
5800	Utilities - Electrical	1,563
5903	Chemicals - Other	700
5940	Chlorine	300
5999	Miscellaneous	150

Total \$ 41,161

SOUTH ST. PAUL PLANT (052)

5010	Salaries & Wages	\$245,071
5020	Employee Benefits	49,014
5041	Travel - Local	470
5085	Medical Aids	200
5095	Cont. Serv. - Laundry	2,027
5097	Cont. Serv.-Maint.	23,500
5100	Cont. Serv. - Sldg. Rem.	36,400
5102	Cont. Serv. - Other	4,500
5200	Materials & Supplies	6,500
5210	Maint. Materl. & Suppl.	21,500
5300	Office Supplies	200
5500	Motor Vehicle Expense	4,100
5800	Utilities - Electrical	154,344
5802	Utilities - Gas	18,365
5803	Utilities - Water	4,850
5850	Telephone Service	1,450
5851	Leased Lines	2,400

Total \$574,891

ROSEMOUNT PLANT (053)

5010	Salaries & Wages	\$333,031
5020	Employee Benefits	66,606
5041	Travel - Local	100
5085	Medical Aids	200
5095	Cont. Serv. - Laundry	3,200
5097	Cont. Serv. - Maint.	25,100
5098	Cont. Serv. - Operations	1,200
5100	Cont. Serv. - Sldg. Rem.	42,300
5102	Cont. Serv. - Other	700
5200	Materials & Supplies	10,000
5210	Maint. Materl. & Suppl.	18,000
5500	Motor Vehicle Expense	1,900
5800	Utilities - Electrical	35,500
5801	Utilities - Fuel	5,000
5802	Utilities - Gas	20,000
5850	Telephone Service	2,400
5900	Chemicals-Ferr. Chlor.	9,000
5902	Chemicals - Lime	18,400
5903	Chemicals - Other	34,800
5940	Chlorine	1,600
6200	Capital Outlay	<u>8,800</u>
	Total	<u>\$637,837</u>

## Summary of Debt Service

	<u>Proposed 1984</u>	<u>Budget 1983</u>	<u>Actual 1982</u>
Treatment Works	\$16,482,724	\$14,175,490	\$12,568,779
Interceptor System			
Service Areas:			
1. Minneapolis-St. Paul	1,886,337	1,297,245	1,290,665
2. North Suburban	903,463	714,221	600,597
3. Anoka	399,888	276,725	154,426
4. Southwest	1,072,086	881,249	863,075
5. Bloomington-Eagan- Burnsville	571,326	552,379	609,802
6. Southwest	<u>455,605</u>	<u>384,147</u>	<u>388,736</u>
Totals	<u>\$21,771,429</u>	<u>\$18,281,456</u>	<u>\$16,476,080</u>

# METROPOLITAN COUNCIL SEWER BOND FUND DEBT SERVICE

Estimated Fund Balance - October 1, 1983	\$33,212,900
Less: Debt Service Payments October 1, 1983 through October 1, 1984	<u>21,686,800</u>
Balance	\$11,526,100
Required Balance October 1, 1984	<u>32,375,100</u>
Total Due	<u>\$20,849,000</u>
Less: Interest to be earned October 1, 1984 through September 30, 1985	<u>1,911,800</u>
Balance Due Metropolitan Council by October 1, 1984	<u>\$18,937,200</u>
1984 Payment Due SAC Fund:	
Principal	\$866,667
Accrued Interest	<u>474,866</u>
Total Due SAC Fund	<u>1,361,533</u>
Program Budget Requirement	<u>\$20,298,733</u>

Apportioned to:

<u>Cost Pool</u>	<u>Capital Improvements</u>	<u>% Of Debt Service</u>	<u>Amount</u>
Treatment Works	\$485,486,180	78.38	\$ 15,910,147
SA 1	47,160,636	7.61	1,544,734
SA 2	23,519,319	3.80	771,352
SA 3	12,088,664	1.95	395,825
SA 4	30,200,002	4.88	990,578
SA 5	7,684,775	1.24	251,704
SA 6	<u>13,241,068</u>	<u>2.14</u>	<u>434,393</u>
Totals	<u>\$619,380,644</u>	<u>100.00</u>	<u>\$ 20,298,733</u>

# Local Government Debt Service 1984

## Service Area 1 - Minneapolis-St. Paul

	<u>Treatment Works</u>	<u>Interceptors</u>	<u>Total</u>
Birchwood	\$	\$ 670.00	\$
Dellwood		7,851.40	
Forest Lake Township	2,914.00		
Little Canada		82,069.37	
Mahtomedi		7,634.49	
Oakdale		57,370.00	
Plymouth		11,056.00	
St. Paul		90,916.34	
Shoreview*		41,377.88	
Vadnais Heights		2,634.10	
White Bear Lake		7,865.00	
White Bear Township		6,691.00	
Woodbury		25,467.00	
	<u>\$2,914.00</u>	<u>\$ 341,602.58</u>	<u>\$344,516.58</u>

## Service Area 2 - North Suburban

Shoreview*	\$	\$ 25,360.63	\$
Circle Pines		2,814.63	
Coon Rapids		54,023.00	
New Brighton		47,024.00	
Spring Lake Park		2,889.00	
	<u>\$ -0-</u>	<u>\$ 132,111.26</u>	<u>\$132,111.26</u>

## Service Area 3 - Anoka

Anoka	\$36,701.00	\$	\$
Champlin		4,062.59	
	<u>\$36,701.00</u>	<u>\$ 4,062.59</u>	<u>\$ 40,763.59</u>

\* Located in 2 Service Areas

Service Area 4 - Southwest

	<u>Treatment Works</u>	<u>Interceptors</u>	<u>Total</u>
Deephaven	\$	\$ 20,230.66	\$
Excelsior	10,540.00		
Greenwood		3,569.08	
Long Lake	10,688.00		
Maple Plain	5,095.00		
Medina	4,648.00		
Minnetrista		29,392.91	
Mound	23,322.04	22,126.41	
Prior Lake	10,927.38	594.00	
Savage	11,885.00		
Shakopee	25,462.50		
Spring Park	2,443.41	2,347.59	
Tonka Bay	5,774.08	3,247.92	
	<u>\$110,785.41</u>	<u>\$ 81,508.57</u>	<u>\$ 192,293.98</u>

Service Area 5 - Bloomington-Eagan-Burnsville

Bloomington	\$	\$ 37,535.45	\$
Burnsville	13,605.00	235,537.00	
Eagan	4,203.65	46,550.00	
	<u>\$ 17,808.65</u>	<u>\$ 319,622.45</u>	<u>\$ 337,431.10</u>

Service Area 6 - Southwest

Apple Valley	\$ 12,457.90	\$ 21,212.10	\$
Cottage Grove	35,031.19		
Hastings	43,652.00		
Inver Grove Heights	13,849.00		
Lakeville	9,799.00		
Newport	5,677.00		
Oak Park Heights	15,064.00		
South St. Paul	223,861.50		
Stillwater	44,976.00		
	<u>\$404,367.59</u>	<u>\$ 21,212.10</u>	<u>\$ 425,579.69</u>
GRANT TOTAL	<u>\$572,576.65</u>	<u>\$ 900,119.55</u>	<u>\$1,472,696.20</u>

## Summary of Acquisition Costs

Treatment Works	\$ 579,985
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### Interceptor System

#### Service Areas:

1. Minneapolis - St. Paul	2,979,783
2. North Suburban	137,070
3. Anoka	489
4. Southwest	74,057
5. Bloomington-Eagan-Burnsville	296,774
6. Southeast	<u>3,930</u>

TOTAL	<u>\$4,072,088</u>
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Local Government Current Value Credit

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



Local Government Current Value Credit (continued)

Medina	\$ 38	St. Louis Park	\$ 78,231
Mendota Heights	3,926	St. Paul	1,033,404
Minneapolis	1,426,356	St. Paul Park	7,394
Minnetonka	16,639	Savage	1,872
Minnetrista	543	Shakopee	9,064
Mound	10,344	Shoreview	23,680
Moundsvew	3,561	Shorewood	391
New Brighton	2,192	South St. Paul	44,632
New Hope	46,523	Spring Lake Park	3,183
Newport	595	Spring Park	2,926
North St. Paul	30,968	Stillwater	10,511
Oakdale	1,150	Tonka Bay	1,684
Oak Park Heights	39	Vadnais Heights	195
Orono	33,988	Victoria	2,535
Osseo	14,928	Waconia	15,245
Plymouth	217	Wayzata	22,674
Prior Lake	2,459	West St. Paul	7,376
Richfield	133,042	White Bear Lake	41,047
Robbinsdale	5,150	White Bear Township	2,173
Rosemount	4,372	Willernie	1,053
Roseville	99,636	Woodbury	2,647
St. Anthony	8,778		
		TOTAL	<u>\$4,072,088</u>

## 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	720		\$ 486,733.67	\$ 162,623.61	\$ 649,357.28
Apple Valley	675		456,364.33	57,899.00	514,263.33
Arden Hills	460		310,984.58	41,635.00	352,619.58
Bayport	195		131,811.81	-0-	131,811.81
Birchwood	30		20,288.50	2,717.30	23,005.80
Blaine	840		567,887.64	116,111.20	683,998.84
Bloomington	3,150		2,129,594.53	386,387.23	2,515,981.76
Brooklyn Center	1,170		790,997.69	105,902.05	896,899.74
Brooklyn Park	1,520		1,027,612.25	210,105.28	1,237,717.53
Burnsville	1,410		953,242.25	172,953.85	1,126,196.10
Champlin	135		91,298.22	30,491.83	121,790.05
Chanhassen	310		209,542.11	80,464.21	290,006.32
Chaska	350		236,614.57	-0-	236,614.57
Circle Pines	95		64,225.77	13,131.46	77,357.23
Columbia Heights	530		358,345.54	47,969.32	406,314.86
Coon Rapids	1,110		750,420.69	153,432.69	903,853.38
Cottage Grove	510		344,777.61	-0-	344,777.61
Crystal	900		608,464.64	81,464.52	689,929.16
Deephaven	140		94,658.51	36,338.18	130,996.69
Eagan	1,190		804,502.21	145,968.72	950,470.93
Eden Prairie	790		534,094.63	205,054.45	739,149.08
Edina	2,620		1,771,248.98	237,147.42	2,008,396.40
Lake Elmo	1		697.42	90.58	788.00
Empire Township	16		10,778.26	1,238.34	12,016.60
Excelsior	113		76,398.87	29,330.04	105,728.91
Falcon Heights	390	10	270,448.24	36,199.63	306,647.87
Farmington	270		182,533.05	20,896.06	203,429.11
Forest Lake	300		202,821.54	27,154.84	229,976.38
Forest Lake Township	128		86,543.11	11,587.76	98,130.87
Fridley	1,230		831,574.68	134,233.60	965,808.28
Gem Lake	9		6,086.55	815.19	6,901.74
Golden Valley	1,290		872,088.26	116,765.20	988,853.46
Greenwood	23		15,533.38	5,969.56	21,502.94
Andover	100		67,649.45	13,822.74	81,472.19
Hastings	570		385,354.60	-0-	385,354.60
Hilltop	31		20,922.51	2,801.83	23,724.34
Hopkins	748		505,690.73	69,061.52	547,752.25
Hugo	46		31,130.16	4,160.48	35,290.64
Inver Grove Heights	440		297,416.65	34,052.82	331,469.47

<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>
Lakeville	530		358,345.54	41,380.36	399,725.90
Landfall	22		14,835.96	1,992.69	16,828.65
Lauderdale			297,416.65	34,052.82	331,469.47
Lexington	46		31,066.76	6,357.88	37,424.64
Laketown Township	14		9,510.23	3,633.51	13,143.74
Lilydale	18		12,173.10	1,630.38	13,803.48
Little Canada	290	50	229,843.61	30,774.02	260,617.63
Long Lake	95		64,225.76	24,657.95	88,883.71
Mahtomedi	128		86,543.11	11,587.76	98,130.87
Maple Grove	730		493,517.64	100,905.91	594,423.55
Maple Plain	95		64,225.76	-0-	64,225.76
Maplewood	1,570	210	1,203,390.60	161,107.28	1,364,497.88
Medicine Lake	13		8,812.82	1,177.49	9,990.31
Medina	78		52,686.68	2,077.16	54,763.84
Mendota Heights	395		267,047.32	35,753.57	302,800.89
Minneapolis	23,400		15,819,826.93	2,118,016.97	17,937,843.90
Minnetonka	1,630		1,101,982.27	423,085.08	1,525,067.35
Minnetonka Beach	24		16,230.80	6,229.97	22,460.77
Mound	430		290,696.09	111,611.00	402,307.09
Minnetrista	62		41,908.42	16,091.93	50,000.35
Moundsview	425		287,335.81	58,747.34	346,083.15
New Brighton	830		561,103.68	114,728.65	675,832.33
New Hope	970		655,762.19	87,798.83	743,561.02
Newport	112		75,764.85	8,667.95	84,432.80
North Oaks	15		10,144.24	1,358.65	11,502.89
North St. Paul	490	30	351,556.70	47,067.27	398,623.97
Oakdale	580	45	422,500.59	56,570.60	479,071.19
Oak Park Heights	120		81,153.98	9,286.93	90,440.91
Orono	198		133,840.66	51,393.06	185,233.72
Osseo	114		77,096.28	15,757.39	92,853.67
Plymouth	1,820		1,230,433.80	164,734.52	1,395,168.32
Prior Lake	325		219,686.36	84,358.13	304,044.49
Richfield	950		642,257.66	85,987.30	728,244.96
Robbinsdale	470		317,768.55	42,540.77	360,309.32
Rosemount	130		87,874.54	10,061.12	97,935.66
Roseville	1,610	35	1,112,141.96	148,893.00	1,261,034.96
St. Anthony	415		280,551.84	37,565.10	318,116.94
St. Louis Park	2,350		1,588,715.94	212,703.84	1,801,419.78
St. Paul	18,500	(445)	12,206,222.50	1,634,233.98	13,840,456.48

<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>
St. Paul Park	130		87,874.54	10,061.12	97,935.66
Savage	210		142,019.46	-0-	142,019.46
Shakopee	790		534,094.63	205,054.44	739,149.07
Shoreview	680		459,724.60	66,797.67	526,522.27
Shorewood	250		168,965.12	64,890.05	233,855.17
South St. Paul	2,650		1,791,600.89	205,090.38	1,996,691.27
Spring Park	107		X 72,341.16	27,772.17	100,113.33
Spring Lake Park	198		133,840.67	27,368.97	161,209.64
St. Bonifacius	30		20,288.49	7,787.84	28,076.33
Stillwater	850		574,608.21	-0-	574,608.21
Stillwater Township	1		697.42	-0-	697.42
Tonka Bay	65		X 43,937.27	16,871.63	60,808.90
Vadnais Heights	250	20	182,550.93	24,435.99	206,986.92
Victoria	55		37,216.71	14,275.17	51,491.88
Wayzata	250		168,965.12	64,890.05	233,855.17
West St. Paul	900		608,464.64	81,464.51	689,929.15
White Bear Lake	735	45	527,366.74	70,597.89	597,964.63
White Bear Township	185		125,027.85	16,744.58	141,772.43
Willernie	16		10,841.67	1,449.22	12,290.89
Woodbury	580		392,075.16	52,498.15	444,573.31
Lino Lakes	32		21,683.33	4,423.24	26,106.57
Waconia	150		101,379.07	38,934.64	140,313.71
Centerville	38		X 25,677.62	5,252.77	30,930.39
Ramsey	4		2,726.27	903.55	3,629.82
Totals	<u>93,781</u>		<u>\$63,401,545.94</u>	<u>\$9,780,944.65</u>	<u>\$73,182,490.59</u>

## Construction Fund - Revenues & Expenditures

Total  
Program

FUND BALANCE - December 31, 1982

\$44,051,795

### REVENUES:

Certified Federal Grants (Schedule 8)	\$22,887,057	
Less:		
Contingency Reserve for Final Audits	<u>450,000</u>	
Net Certified Federal Grants		\$22,437,057
Certified Grants (Schedule 9)		4,581,798
Anticipated Grants (Schedule 10)		57,520,277
Investment Income (Schedule 11)		2,550,000
Miscellaneous		50,000
Due from Local Governments		<u>138,353</u>
Total Estimated Revenues		\$87,277,485

### EXPENDITURES:

Previously Authorized Projects		
Encumbered Balance (Schedule 12)		18,568,381
Unencumbered Balance (Schedule 12)		89,139,344
Appro. Adjustments (Schedule 12)		<u>40,470,512</u>

Total Previously Authorized Projects	\$148,178,237
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Total New Projects (Schedule 13)	100,000
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Total Estimated Expenditures	148,278,237
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Local Funds Applied (expenditures-revenues)	61,000,752
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ESTIMATED FUND BALANCE

\$(16,948,957)

CERTIFIED FEDERAL GRANTS

Project No.	Grant	Project	Total Grants Receivable	Earned As Of 12/31/82	Balance Due	Estimated Amount 1983	Estimated Amount 1984
74-01(400)	000-01	MMWTP - Sludge Thickening	\$ 23,092,239	\$ 22,583,005	\$ 509,234	\$ 509,234	\$ -0-
(403)	000-04	MMWTP - Digital Control System	6,641,439	6,074,001	567,438	567,438	-0-
(404) & (406)	000-03	MMWTP - Roll Type Presses	10,210,167	9,934,240	275,927	275,927	-0-
(407)	000-05	MMWTP - Sludge Incin. Equip.	7,195,713	7,073,704	122,009	122,009	-0-
(408)	000-06	MMWTP - Sludge Processing	56,653,725	56,652,975	750	750	-0-
201	999-01	Facilities Planning Study	4,194,075	4,063,558	130,517	130,517	-0-
201	999-02	Facilities Planning Study	2,692,725	2,512,838	179,887	120,661	59,226
201	999-03	Facilities Planning Study	388,575	245,941	142,634	142,634	-0-
79-79	999-04	Metro Area I/I Analysis	2,709,750	2,047,100	662,650	457,900	204,750
76-07	100-01	MMWTP - Retrofit Process Control Step II	1,424,100	1,378,486	45,614	45,614	-0-
79-06	008-01	Hastings Plant Improvements Step III	7,698,300	-0-	7,698,300	1,237,324	5,167,024
72-07	104-01	Seneca Maintenance & Dispatch B Step II	226,875	225,723	1,152	1,152	-0-
79-80	103-02	MMWTP Add'l Second. Treat. Fac. Step III	15,008,250	2,457,305	12,550,945	9,956,011	2,594,934
<b>TOTALS</b>			<b>\$138,135,933</b>	<b>\$115,248,876</b>	<b>\$22,887,057</b>	<b>\$13,567,171</b>	<b>\$ 8,025,934</b>

CERTIFIED STATE GRANTS

Project No.	Grant	Project	Total Grant Receivable	Earned As Of 12/31/82	Balance Due	Estimated Amount 1983	Estimated Amount 1984
74-01 (400)	000-01	- MWWTP-Sludge Thickening	\$ 4,618,448	\$ 4,516,601	\$ 101,847	\$ 101,847	\$ -0-
(403)	000-04	- MWWTP-Digital Control Sys.	1,328,288	1,214,800	113,488	81,382	32,106
(404) & (406)	000-03	- MWWTP-Roll Type Presses	1,986,837	1,986,837	-0-	-0-	-0-
(407)	000-05	- MWWTP-Sludge Incin. Equip.	1,439,143	1,414,741	24,402	24,402	-0-
(408)	000-06	- MWWTP-Sludge Processing	11,330,745	11,330,595	150	150	-0-
201	999-01	- Facilities Planning Study	838,815	812,712	26,103	26,103	-0-
201	999-02	- Facilities Planning Study	538,545	502,568	35,977	24,132	11,845
201	999-03	- Facilities Planning Study	77,715	49,188	28,527	28,527	-0-
79-79	999-04	- Metro Area I/I Analysis	541,950	409,420	132,530	91,580	40,950
76-07	100-01	- MWWTP - Retrofit Process Control Step II	284,820	275,697	9,123	9,123	-0-
79-06	008-01	- Hastings Plant Improvements Step III	1,539,660	-0-	1,539,660	247,465	1,033,405
71-29	093-01	- MWWTP Warehouse-Step III	741,495	681,923	59,572	59,572	-0-
72-07	104-01	- Seneca Maintenance & Dispatch Bldg. Step III	45,375	45,145	230	230	-0-
79-80	103-02	- MWWTO Add'l Second. Treat. Facil. Step III	3,001,650	491,461	2,510,189	1,991,202	518,987
TOTALS			<u>\$28,313,486</u>	<u>\$23,731,688</u>	<u>\$4,581,798</u>	<u>\$2,685,715</u>	<u>\$1,637,293</u>

ANTICIPATED GRANTS  
(Federal & State Combined)

<u>Project</u>	<u>Name</u>	<u>Grant Income</u>
79-79	Lakeville-Farmington Sewer Rehab.	\$ 450,000
76-07	Metro Retrofit	13,500,000
77-05	Lower Beltline Interceptor	3,507,770
82-55	Minneapolis East Interceptor	34,795,800
82-59	Blue Lake Sludge Proc. Fac.	3,804,207
83-59	Medina Interceptor	<u>1,462,500</u>
	Total	<u>\$57,520,277</u>



SUMMARY OF INVESTMENT INCOME

Investment earnings for period  
January through December, 1983  
\$15 million X 8.0%

\$1,200,000

Investment earnings for period  
January through December, 1984  
based on average investment  
balance of \$15 million and yield  
of 9.0%

1,350,000

Total

\$2,550,000

FINANCIAL STATUS - CURRENT PROJECTS

Program No.	Project	Step Approval	Previously Appropriated	Additional Appropriations	Total Appropriations	Expenditures As Of 12/31/82	Encumbered Balance	Unencumbered Balance
71-32	Little Canada-Shoreview	III	4,260,000	-0-	4,260,000	3,724,446	22,802	512,752
72-02	MMWTP - Compressor Bldg.	III	15,640,000	-0-	15,640,000	15,518,253	5,276	116,471
72-07	Maintenance & Dispatch Bldg.	III	3,350,000	-0-	3,350,000	313,510	-0-	3,036,490
74-01	MMWTP - Sludge Disposal	III						
(400)	Sludge Thickening Facilities	III	31,259,196	200,000	31,459,196	29,706,421	-0-	1,752,775
(403)	Digital Acquisition & Control System	III	10,185,664	-0-	10,185,664	9,731,567	-0-	454,097
(406)	Sludge Dewatering Bldg.	III	9,589,333	-0-	9,589,333	9,280,061	-0-	309,272
(407)	Sludge Processing Equip.	III	11,800,066	-0-	11,800,066	11,250,144	229,635	320,287
(408)	Sludge Processing Bldg.	III	103,480,000	-0-	103,480,000	94,099,047	88,635	9,292,318
75-01	Ultimate Disposal Site	I	1,674,798	100,000	1,774,798	1,496,729	-0-	278,069
75-10	Engineering Services-NPDES Permits	I	120,000	50,000	170,000	119,426	-0-	50,574
75-50	Metro Planning	I	1,667,488	522,512	2,190,000	1,185,010	-0-	1,004,990
76-07	MMWTP Retrofit Process Control	III	16,250,000	1,500,000	17,750,000	2,124,469	334,370	15,291,161
76-13	Environmental Inventory & Assn.	I	749,202	-0-	749,202	519,769	-0-	229,433
76-55	Combined Sewer Study	I	2,718,600	-0-	2,718,600	2,480,244	80,852	157,504
77-05	Beltline Reg./ Intcp. Improv.	III	3,350,000	1,000,000	4,350,000	115,164	162,172	4,072,664
78-01	Future System Configuration	I	524,363	-0-	524,363	495,138	-0-	29,225
78-03	Interim Sludge Disposal	III	1,885,000	-0-	1,885,000	1,873,315	3,409	8,276
79-06	Hastings Plant Improvement	III	10,013,625	-0-	10,013,625	669,514	-0-	9,344,111
79-50	Stipulation Agreement-Metro	I	405,000	-0-	405,000	270,677	-0-	134,323

Program No.	Project	Step Approval	Previously Appropriated	Additional Appropriations	Total Appropriations	Expenditures As Of 12/31/82	Encumbered Balance	Unencumbered Balance
79-79	I/I Analysis & Rehab. - Community Grants	III	\$ 3,540,000	\$ 573,000	\$ 4,113,000	\$ 2,759,801	\$ -0-	\$ 1,353,199
79-80	MWTP Add'l Sec. Treat. Facility	III	24,750,000	-0-	24,750,000	4,438,955	15,295,424	5,015,621
81-51	Lake Gervais Interceptor	III	8,600,000	-0-	8,600,000	124,966	236,145	8,238,889
81-63	Planning Prog. Budg. Systems	I	200,000	125,000	325,000	112,371	-0-	212,629
81-65	Misc. Capital Improvements	III	3,920,000	-0-	3,920,000	2,894,616	235,764	789,620
82-52	CAB Interceptor	III	20,320,000	-0-	20,320,000	407,690	377,709	19,534,601
82-53	Lake Ann Interceptor	II	500,000	-0-	500,000	85,185	272,706	142,109
82-54	Interceptor Rehab.	II	100,000	-0-	100,000	399	-0-	99,601
82-55	Minneapolis East Intcp.	III	2,662,000	36,000,000	38,662,000	1,000,057	1,101,729	36,560,214
82-56	MWTP Screen & Grit Rehab.	II	700,000	-0-	700,000	-0-	-0-	700,000
82-57	MWTP Primary Treatment Facility Rehab.	II	1,000,000	-0-	1,000,000	171	-0-	999,829
82-58	MWTP Secondary Treatment Facility Rehab.	III	900,000	-0-	900,000	327	-0-	899,673
82-59	Blue Lake Plant Sludge Thickening Facilities	III	4,200,000	-0-	4,200,000	49,168	121,753	4,029,079
83-51	Chaska Plant Improvement	II	200,000	-0-	200,000	-0-	-0-	200,000
83-52	Maple Plain Improvement	II	100,000	-0-	100,000	-0-	-0-	100,000
83-53	Minnesota River Study	I	100,000	-0-	100,000	-0-	-0-	100,000
83-54	MWTP Peak Power Demand Study	I	25,000	-0-	25,000	-0-	-0-	25,000
83-55	MWTP Fire Detection & Alarm System Study	I	25,000	-0-	25,000	-0-	-0-	25,000
83-56	Lift Station Electrical System Rehabilitation	I	25,000	-0-	25,000	-0-	-0-	25,000
83-57	Metering & Lift Station Alarm System Improvements	I	25,000	-0-	25,000	-0-	-0-	25,000
83-58	MWTP Disinfection	II	100,000	400,000	500,000	-0-	-0-	500,000
83-59	Mendota Interceptor	III	1,625,000	-0-	1,625,000	-0-	-0-	1,625,000
83-60	Mendota Lift Station Intcp.	III	400,000	-0-	400,000	-0-	-0-	400,000
83-61	Lino Lakes Second Interceptor Connection	II	50,000	-0-	50,000	-0-	-0-	50,000
83-62	Ramsey - Second Interceptor Connection	II	65,000	-0-	65,000	-0-	-0-	65,000
83-65	Misc. Capital Improvements	III	1,500,000	-0-	1,500,000	-0-	-0-	1,500,000
	Totals		<u>\$304,554,335</u>	<u>\$40,470,512</u>	<u>\$345,024,847</u>	<u>\$196,846,610</u>	<u>\$18,568,381</u>	<u>\$129,609,856</u>

PREVIOUSLY FUNDED

Project 71-32 Little Canada-Shoreview Interceptor

Description: Final construction costs were higher than anticipated due to change order #5 which provided for installing the sewer in a steel sheeted trench due to the problem of the clay soil. The actual costs were approximately \$400,000 for this change order. Completion was scheduled for 1978. Extra costs have also occurred due to the delay in completion.

Status: Project is completed, however there is a claim pending.

Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/82	2,686,493	537,299	500,654	3,724,446
During 1983	-0-	-0-	435,554	435,554
During 1984	-0-	-0-	100,000	100,000
Total:	<u>2,686,493</u>	<u>537,299</u>	<u>1,036,208</u>	<u>4,260,000</u>

Project 72-02 Metro Compressor Building

Description: The project consists of an addition to the Compressor Building at the Metropolitan Wastewater Treatment Plant 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.

Status: Project will be completed in 1984.

Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/82	10,477,650	2,095,530	2,945,073	15,518,253
During 1983	-0-	-0-	100,000	100,000
During 1984	-0-	-0-	21,747	21,747
Total:	<u>10,477,650</u>	<u>2,095,530</u>	<u>3,066,820</u>	<u>15,640,000</u>

Project 72-07 Maintenance & Dispatch Building

Description: As part of its responsibilities for operating and maintaining the Metropolitan Disposal System, the Metropolitan Waste Control Commission owns 14 wastewater treatment plants, approximately 140 metering stations and about 55 sewage lift stations spread throughout the six service

Project 72-07 Maintenance & Dispatch Building (Continued)

areas presently comprising the Metropolitan Disposal System. There is 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.

Status: Step II, Plans and Specifications have been completed. Construction is planned during 1984.

Annual Expenditures and Sources of Funds:

	<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/82		225,723	45,145	42,642	313,510
During 1983		1,152	230	35,108	36,490
During 1984		-0-	-0-	1,500,000	1,500,000
During 1985		-0-	-0-	1,500,000	1,500,000
Total:		<u>226,875</u>	<u>45,375</u>	<u>3,077,750</u>	<u>3,350,000</u>

Project 74-01 (400) Sludge Thickening Facilities, MWWTP

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

Status: Project is essentially complete except for improvements required to provide for changes in process and operation of the RBS units and other modifications such as odor control, drain systems, equipment controls, instrumentation and acid line modifications.

Annual Expenditures and Sources of Funds:

	<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/82		22,583,005	4,516,601	2,606,815	29,706,421
During 1983		509,234	101,847	891,694	1,502,775
During 1984		-0-	-0-	250,000	250,000
Total:		<u>23,092,239</u>	<u>4,618,448</u>	<u>3,748,509</u>	<u>31,459,196</u>

Project 74-01 (403) Distributed Digital Acquisition & Control System for Sludge

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

Project 74-01 (403) Distributed Digital Acquisition & Control System  
for Sludge (Continued)

Status: Project is essentially complete.

Annual Expenditures and Sources of Funds:

	<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/82		6,074,001	1,214,800	2,442,766	9,731,567
During 1983		406,907	81,382	(248,234)	240,055
During 1984		160,531	32,106	21,405	214,042
Total:		<u>6,641,439</u>	<u>1,328,288</u>	<u>2,215,937</u>	<u>10,185,644</u>

Project 74-01 (406) Sludge Dewatering Building, MWWTP

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.

Status: Project is essentially complete except for minor improvements necessary to provide for more effective operation.

Annual Expenditures and Sources of Funds:

	<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/82		7,042,864	1,408,562	828,635	9,280,061
During 1983		110,371	-0-	148,901	259,272
During 1984		-0-	-0-	50,000	50,000
Total:		<u>7,153,235</u>	<u>1,408,562</u>	<u>1,027,536</u>	<u>9,589,333</u>

Project 74-01 (407) Sludge Processing Equipment, MWWTP

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

Status: Project will be completed in 1984.

Annual Expenditures and Sources of Funds:

	<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/82		7,073,704	1,414,741	2,761,699	11,250,144
During 1983		122,009	24,402	353,511	499,922
During 1984		-0-	-0-	50,000	50,000
Total:		<u>7,195,713</u>	<u>1,439,143</u>	<u>3,165,210</u>	<u>11,800,066</u>

Schedule 12-4

Project 74-01 (408) Sludge Processing Building, MWWTP

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.

Status: Project will be completed in 1984.

Annual Expenditures and Sources of Funds:

	<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/82		56,652,975	11,330,595	26,115,477	94,099,047
During 1983		750	150	8,880,053	8,880,953
During 1984		<u>-0-</u>	<u>-0-</u>	<u>500,000</u>	<u>500,000</u>
Total:		<u>56,653,725</u>	<u>11,330,745</u>	<u>35,495,530</u>	<u>103,480,000</u>

Project 75-01 Residual Solids Management

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 marketing Heat Dried Sludge.

Status: Study initiated in spring of 1977, site selection for disposal of ash/sludge currently under study, and initial steps have been taken to initiate a market study of Heat Dried Sludge.

Annual Expenditures and Sources of Funds:

	<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/82		1,122,547	224,510	149,672	1,496,729
During 1983		133,552	26,710	47,807	208,069
During 1984		<u>-0-</u>	<u>-0-</u>	<u>70,000</u>	<u>70,000</u>
Total:		<u>1,256,099</u>	<u>251,220</u>	<u>267,479</u>	<u>1,774,798</u>

## Project 75-10 Engineering Services - NPDES Permits

Description: The Minnesota Pollution Control Agency 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 Metropolitan Waste Control Commission. 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.

Status: Each NPDES Permit will be revised periodically.

### Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/82	119,426	119,426
During 1983	25,000	25,000
During 1984	25,574	25,574
Total:	<u>170,000</u>	<u>170,000</u>

## Project 75-50 Metro Planning

Description: The Metropolitan Council reviewed our development programs, program budgets and amendments and other data relating to the construction fund. These costs are charged to this project excluding the 25% matching funds for 208.

Status: These costs will continue indefinitely.

### Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/82	1,185,010	1,185,010
During 1983	482,478	482,478
During 1984	522,512	522,512
Total:	<u>2,190,000</u>	<u>2,190,000</u>



### Project 76-07 MWWTP Retrofit Process Control

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 in efficiency of operations.

Status: The Step II design work has been completed and construction is expected to start in later 1983.

#### Annual Expenditures and Sources of Funds:

	<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/82		1,378,486	275,697	470,286	2,124,469
During	1983	504,093	100,819	67,212	672,124
During	1984	2,533,630	506,726	337,817	3,378,173
During	1985	3,921,370	784,274	522,850	5,228,494
During	1986	3,258,211	651,642	434,429	4,344,282
During	1987	<u>1,078,310</u>	<u>215,662</u>	<u>708,486</u>	<u>2,002,458</u>
Total:		<u>12,674,100</u>	<u>2,534,820</u>	<u>2,541,080</u>	<u>17,750,000</u>

### Project 76-13 Environmental Program

Description: To establish a base line inventory of environmental characteristics of the Metropolitan Area 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 reservice capacity. Also to prepare an environmental impact statement for the residual solids management and combined sewer study elements of facilities planning.

Status: The study will continue into 1984.

#### Annual Expenditures and Sources of Funds:

	<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/82		389,827	77,965	51,977	519,769
During	1983	134,575	26,915	17,943	179,433
During	1984	<u>37,500</u>	<u>7,500</u>	<u>5,000</u>	<u>50,000</u>
Total:		<u>561,902</u>	<u>112,380</u>	<u>74,920</u>	<u>749,202</u>

### Project 76-55 Combined Sewer Study

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 overflows. The study will include an assessment of combined sewer overflows, general planning of the abatement program and preliminary engineering of the required abatement facilities.

Status: The study will continue into 1984.

#### Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/82	1,860,183	372,037	248,024	2,480,244
During 1983	103,767	20,753	13,836	138,356
During 1984	<u>6,726</u>	<u>1,345</u>	<u>91,929</u>	<u>100,000</u>
Total:	<u>1,970,676</u>	<u>394,135</u>	<u>353,789</u>	<u>2,718,600</u>

### Project 77-05 Beltline Regulator/Interceptor Improvements

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 and Highway 61 to the joint interceptor at Childs Road.

Status: The plans and specifications are completed and construction is expected to start in late 1983.

#### Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/82	-0-	-0-	115,164	115,164
During 1983	597,185	119,437	79,625	796,247
During 1984	1,426,511	285,302	190,202	1,902,015
During 1985	<u>899,446</u>	<u>179,889</u>	<u>457,239</u>	<u>1,536,574</u>
Total:	<u>2,923,142</u>	<u>584,628</u>	<u>842,230</u>	<u>4,350,000</u>

Project 78-01 Future System Configuration/Central Cities  
and Contiguous Communities

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.

Status: The project will continue in 1984.

Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/82	371,354	74,271	49,513	495,138
During 1983	15,000	3,000	2,000	20,000
During 1984	<u>6,918</u>	<u>1,384</u>	<u>923</u>	<u>9,225</u>
Total:	<u>393,272</u>	<u>78,655</u>	<u>52,436</u>	<u>524,363</u>

Project 78-03 Interim Sludge Disposal

Description: The project will consist of the construction of two sludge storage pads (11 acres) at the Metro Plant, the purchase of a front-end loader, a dump truck and construction of a truck wash.

Status: The project will be completed in 1984.

Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/82	504,525	100,905	1,267,885	1,873,315
During 1983	-0-	-0-	6,685	6,685
During 1984	<u>-0-</u>	<u>-0-</u>	<u>5,000</u>	<u>5,000</u>
Total:	<u>504,525</u>	<u>100,905</u>	<u>1,279,570</u>	<u>1,885,000</u>

Project 79-06 Hastings Plant Improvements and Expansion

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

Status: The construction is expected to start in late 1983.

Project 79-06 Hastings Plant Improvements and Expansion (Continued)

Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/82	376,575	75,315	217,624	669,514
During 1983	1,237,324	247,465	164,976	1,649,765
During 1984	4,790,449	958,090	220,538	5,969,077
During 1985	1,293,952	258,790	172,527	1,725,269
Total:	<u>7,698,300</u>	<u>1,539,660</u>	<u>775,665</u>	<u>10,013,625</u>

Project 79-50 Stipulation Agreement - Metro

Description: This agreement between the MPCA, Metropolitan Council and the Commission 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. Additional costs will be incurred by the staffs of the Metropolitan Council and the Commission.

Status: Will be completed in 1984.

Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/82	270,677	270,677
During 1983	94,323	94,323
During 1984	40,000	40,000
Total:	<u>405,000</u>	<u>405,000</u>

Project 79-79 I/I Analysis and Rehabilitation - Community Grants

Description: Infiltration/Inflow grants that will pass through the Commission. Thirty communities are eligible for these grants and they will fund the local share.

Status: These various projects will be completed in 1984.

Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/82	2,047,100	409,420	301,281	2,757,801
During 1983	457,900	91,580	32,719	582,199
During 1984	379,750	115,950	77,300	773,000
Total:	<u>3,084,750</u>	<u>616,950</u>	<u>411,300</u>	<u>4,113,000</u>

### Project 79-80 MWWTP Additional Secondary Treatment Facilities

Description: The project will consist of four (4) additional aeration tanks and three (3) additional final clarifiers which are to be constructed on the existing east battery. The facilities are required to meet the 1982 NPDES Permit requirements.

Status: Construction will be completed in 1985.

#### Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/82	3,412,280	682,456	344,219	4,438,955
During 1983	9,956,011	1,991,202	1,327,468	13,274,681
During 1984	2,594,934	518,987	466,216	3,580,137
During 1985	-0-	-0-	3,456,227	3,456,227
Total:	<u>15,963,225</u>	<u>3,192,645</u>	<u>5,594,130</u>	<u>24,750,000</u>

### Project 81-51 Lake Gervais Interceptor

Description: This project provides for a new gravity interceptor starting from the Beltline Interceptor near the intersection of Highway 61 and 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.

Status: Construction is expected to start in late 1983.

#### Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/82	124,966	124,966
During 1983	512,613	512,613
During 1984	6,474,431	6,474,431
During 1985	1,487,990	1,487,990
Total:	<u>8,600,000</u>	<u>8,600,000</u>

### Project 81-63 Planning, Programming, Budgeting Systems

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

Project 81-63 Planning, Programming, Budgeting Systems (Continued)

Status: The program will continue indefinitely.

Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/82	112,371	112,371
During 1983	87,629	87,629
During 1984	<u>125,000</u>	<u>125,000</u>
Total:	<u>325,000</u>	<u>325,000</u>

Project 81-65 Miscellaneous Capital Improvements

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.

<u>Project</u>	<u>1984 Capital Project Cost</u>
Administration - Consists of completed projects, general investigations of need for improvements, preliminary engineering and small projects.	\$ 400,000
St. Paul Lake Overflow Improvements - Consists of the installation of equipment and modifications to meter the flows from four lakes.	\$ 9,000
Repairs to Interceptors SP-224 St. Paul - Provides for improvements to the invert and the joints of the badly eroded interceptor.	\$ 235,000
MWWTP Ash Basin #4 - Consists of the construction of new 100,000 cubic yard ash basin.	\$ 430,000
Schutz Lake and Wayzata Lift Station Odor Control - Consists of odor control improvements to lift stations.	\$ 92,000
Remodel of MWWTP Screen and Grit Building Offices - Provides training rooms, locker rooms and offices for plant personnel.	\$ 255,000
Demolition of Orono and Long Lake WWTPs - Provides for the demolition of the two plants and fencing of areas around the lift stations.	\$ 33,000

Schedule 12-12

Project 81-65 Miscellaneous Capital Improvements (Continued)

Mahtomedi Interceptor Improvements - Provides for a new lift station and 1500 feet of interceptor.	\$ 800,000
Metro Plant Scum Incinerator Scrubber - Consists of installation of a scrubber to meet air quality requirements.	\$ 415,000
MWWTP Trip Protective Device Coordination - Provides for bringing all protective devices up to current codes and for proper overall settings in the systems.	\$ 300,000
Champlin Lift Station - New pump and appurtenances.	\$ 110,000
MWWTP Modifications needed to improve the operation of the meters.	\$ 10,000
Cottage Grove Plant Improvements - Consists of improvements to the secondary digester.	\$ 90,000
MWWTP Scum Incineration Feed System - Provides for scum disintegrator improvements to feed system for the scum incinerator and new F&I #2 incinerator.	\$ 100,000
Seneca Plant Loadout Facilities - Provides for sludge loadout.	\$ 40,000
Lakeville Lift Station Improvements - Provides for new lift station to serve Lakeville and Apple Valley.	\$ 5,000
South St. Paul Phase Out - Provides for improvements needed to phase out plant including odor control, emergency by-pass, bar screen and other improvements.	\$ 330,000
Metro Plant Return Liquor Treatment Facilities - Consists of equipment improvements and odor control.	\$ 47,000
Lake Virginia Odor Control - Provides for odor control improvements.	\$ 76,000
Bayport Hydrosieves - Consists of new pretreatment units.	\$ 110,000
Service Road Between Sludge Thickening and Decant Tanks.	\$ 23,000
Sludge Presses and Filters - Consists of conveyor, H.V.A.C. and lighting improvements.	\$ 10,000

Status: All projects will be completed in 1984.

Project 81-65 Miscellaneous Capital Improvements (Continued)

Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/82	2,894,616	2,894,616
During 1983	725,384	725,384
During 1984	300,000	300,000
Total:	<u>3,920,000</u>	<u>3,920,000</u>

Project 82-52 CAB Interceptor

Description: The 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.

Status: Construction will commence in 1983.

Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/82	407,690	407,690
During 1983	2,294,128	2,294,128
During 1984	11,923,318	11,923,318
During 1985	5,694,864	5,694,864
Total:	<u>20,320,000</u>	<u>20,320,000</u>

Project 82-53 Lake Ann Interceptor

Description: This project consists of improvements to two lift stations and the construction of a new interceptor southeasterly through Chanhassen and connection to the existing lift station and forcemain near the boundary of Chanhassen and Eden Prairie or an alternative alignment on the northerly edge of Chanhassen.

Status: Plans and Specifications are being prepared and will be completed in 1984.



Project 82-53 Lake Ann Interceptor (Continued)

Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/82	85,185	85,185
During 1983	314,815	314,815
During 1984	<u>100,000</u>	<u>100,000</u>
Total:	<u>500,000</u>	<u>500,000</u>

Project 82-54 Interceptor Rehabilitation

Description: This project will consist of Step II services to rehabilitate numerous areas in the interceptor system. Improvements to be rehabilitated include overflow regulators, lift stations, manholes, interceptor joints, air relief valve, deteriorated pipes and other similar interceptor rehabilitation.

Status: Project will be completed in 1984.

Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/82	399	399
During 1983	74,601	74,601
During 1984	<u>25,000</u>	<u>25,000</u>
Total:	<u>100,000</u>	<u>100,000</u>

Project 82-55 Minneapolis East Interceptor

Description: This project consists of the construction of about six miles of parallel interceptor to the existing Minneapolis 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 and Main and Lake Street will be the initial construction.

Status: Plans and Specifications will be completed in 1983. Partial construction will commence in 1984.

Project 82-55 Minneapolis East Interceptor (Continued)

Annual Expenditures and Sources of Funds:

	<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/82		-0-	-0-	1,000,057	1,000,057
During	1983	1,200,000	240,000	160,000	1,600,000
During	1984	6,150,043	1,230,009	(180,052)	7,200,000
During	1985	11,250,000	2,250,000	1,500,000	15,000,000
During	1986	10,396,457	2,079,291	1,386,195	13,861,943
Total:		<u>28,996,500</u>	<u>5,799,300</u>	<u>3,866,200</u>	<u>38,662,000</u>

Project 82-56 MWWTP Screen and Grit Facility Rehabilitation

Description: The MWWTP Screen and Grit Rehabilitation 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.

Status: Plans and Specifications will be completed in 1984.

Annual Expenditures and Sources of Funds:

	<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/82		-0-	-0-
During	1983	500,000	500,000
During	1984	200,000	200,000
Total:		<u>700,000</u>	<u>700,000</u>

Project 82-57 MWWTP Primary Treatment Facility Rehabilitation

Description: The MWWTP Primary Treatment Facility Rehabilitation 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 mechanisms, scum collection system, old flocculation tanks, the electrical system and the controls.

Status: Plans and Specifications will be completed in 1984.

Project 82-57 MWWTP Primary Treatment Facility Rehabilitation (Continued)

Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/82	171	171
During 1983	750,000	750,000
During 1984	249,829	249,829
Total:	<u>1,000,000</u>	<u>1,000,000</u>

Project 82-58 MWWTP Secondary Treatment Facility Rehabilitation

Description: The Metropolitan Wastewater Treatment 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.

Status: Plans and Specifications will be completed in late 1983.

Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/82	327	327
During 1983	849,673	849,673
During 1984	50,000	50,000
Total:	<u>900,000</u>	<u>900,000</u>

Project 82-59 Blue Lake WWTP Sludge Thickening Facilities

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 electrical, mechanical and control system to provide for compatible operation of the new and existing facilities.

Status: Construction will be initiated in the spring of 1984.

Project 82-59 Blue Lake WWTP Sludge Thickening Facilities (Continued)

Annual Expenditures and Sources of Funds:

	<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/82		-0-	-0-	49,168	49,168
During	1983	75,000	15,000	10,000	100,000
During	1984	472,296	94,459	62,973	629,728
During	1985	<u>2,622,875</u>	<u>524,577</u>	<u>273,652</u>	<u>3,421,104</u>
Total:		<u>3,170,171</u>	<u>634,036</u>	<u>395,793</u>	<u>4,200,000</u>

Project 83-51 Chaska Plant Improvements - Step II

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 secondary treatment units along with the associated sludge handling facilities at the present site.

Status: Plans and Specifications will be completed in early 1984.

Annual Expenditures and Sources of Funds:

	<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
During	1983	100,000	100,000
During	1984	<u>100,000</u>	<u>100,000</u>
Total:		<u>200,000</u>	<u>200,000</u>

Project 83-52 Maple Plain Plant Improvements

Description: The proposed project consists of improvements to replace old and undersized process units, expand the plant capacity or to phase the plant out of service. Improvements to the plant may also consist of interim phosphorus removal facilities as may be required by the NPDES permit.

Status: Plans and Specifications will be completed in early 1984.

Annual Expenditures and Sources of Funds:

	<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
During	1983	50,000	50,000
During	1984	<u>50,000</u>	<u>50,000</u>
Total:		<u>100,000</u>	<u>100,000</u>

Project 83-53 Minnesota River Study

Description: This study will provide for additional information relating to more restricted water quality standards which may be required by the 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.

Status: Study will continue into 1984.

Annual Expenditures and Sources of Funds:

	<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
During	1983	50,000	50,000
During	1984	<u>50,000</u>	<u>50,000</u>
Total:		<u>100,000</u>	<u>100,000</u>

Project 83-54 MWWTP Peak Power Demand Study

Description: This study consists of the need for additional electrical equipment in the Metro Plant Power System to reduce peak power demand. The use of automatic transfer switches and standby generators will be evaluated to determine if they make the system more effective.

Status: Study will continue into 1984.

Annual Expenditures and Sources of Funds:

	<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
During	1983	15,000	15,000
During	1984	<u>10,000</u>	<u>10,000</u>
Total:		<u>25,000</u>	<u>25,000</u>

Project 83-55 MWWTP Fire Detection and Alarm System Study

Description: This study will consist 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.

Status: Study will continue into 1984.

Project 83-55 MWWTP Fire Detection and Alarm System Study (Continued)

Annual Expenditures and Sources of Funds:

	<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
During	1983	15,000	15,000
During	1984	<u>10,000</u>	<u>10,000</u>
Total:		<u>25,000</u>	<u>25,000</u>

Project 83-56 Lift Station Electrical System Rehabilitation

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.

Status: Study will continue into 1984.

Annual Expenditures and Sources of Funds:

	<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
During	1983	15,000	15,000
During	1984	<u>10,000</u>	<u>10,000</u>
Total:		<u>25,000</u>	<u>25,000</u>

Project 83-57 Metering and Lift Station Alarm System Improvements

Description: This is a Study to analyze the telemetry systems at the Seneca Plant which is presently monitoring the flows to the meters and the alarm system in the lift stations. This system is rapidly becoming obsolete and is difficult to maintain and to expand. The Study will consider modifications to the system in view of the new technology in this field.

Status: Study will be completed in early 1984.

Annual Expenditures and Sources of Funds:

	<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
During	1983	15,000	15,000
During	1984	<u>10,000</u>	<u>10,000</u>
Total:		<u>25,000</u>	<u>25,000</u>

### Project 83-58 MWWTP Disinfection

Description: The new NPDES permit for the MWWTP Plant will require compliance with stringent effluent chlorine residual standards by June 1, 1986. The previous facility plan evaluated alternative disinfection methods and recommended two alternatives for additional study. This Study will be a continuation of the previous facility plan and will provide a detailed determination of an alternative for implementation. The design will be based on the recommendation of the Study.

Status: Design will be initiated in late 1983.

#### Annual Expenditures and Sources of Funds:

	<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
During	1983	100,000	100,000
During	1984	<u>400,000</u>	<u>400,000</u>
Total:		<u>500,000</u>	<u>500,000</u>

### Project 83-59 Medina Interceptor

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.

Status: Construction will be initiated in late 1983.

#### Annual Expenditures and Sources of Funds:

	<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
During	1983	225,000	45,000	30,000	300,000
During	1984	<u>993,750</u>	<u>198,750</u>	<u>132,500</u>	<u>1,325,000</u>
Total:		<u>1,218,750</u>	<u>243,750</u>	<u>162,500</u>	<u>1,625,000</u>

### Project 83-60 Mendota Lift Station & Interceptor

Description: The interceptor will consist of a lift station constructed on Second Street between E Street and F Street, approximately 2000 feet of forcemain paralleling Second Street and State Highway 13 and 2600 feet 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.

Status: Construction will be initiated in late 1983.

#### Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/82	-0-	-0-
During 1983	106,057	106,057
During 1984	293,943	293,943
Total:	<u>400,000</u>	<u>400,000</u>

### Project 83-61 Lino Lakes Interceptor

Description: The project consists of constructing an interceptor extension to serve Lino Lakes' Urban Service District No. 2, which is located north of the Chain of Lakes and borders the Cities of Blaine and Circle Pines. The proposed 2000' of gravity interceptor would extend from the terminus of the MWOC's existing interceptor 4-NS-523 at the intersection of Park Drive East and 101st Avenue NE within the City of Circle Pines to the boundary of Lino Lakes at the intersection of Sunset Avenue NE and 101st Avenue NE.

The need for the Lino Lakes Interceptor Extension to serve the projected wastewater flow from Lino Lakes' Urban Service District No. 2, is corroborated by Lino Lakes' Comprehensive Plan. The City of Lino Lakes has also documented numerous failures of on-site systems in this area.

Status: Plans and specifications will be initiated in 1983.

#### Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/82	-0-	-0-
During 1983	25,000	25,000
During 1984	25,000	25,000
Total:	<u>50,000</u>	<u>50,000</u>



### Project 83-62 Ramsey Second Connection

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, north to the community border of Ramsey near Highway 47 on Industrial Avenue.

The need for the Ramsey Second Connection to serve the projected wastewater flow from the Rum River Watershed, is corroborated by the Ramsey Comprehensive Plan.

Status: Plans and specifications will be initiated in 1983.

#### Annual Expenditures and Sources of Funds:

	<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
During	1983	50,000	50,000
During	1984	15,000	15,000
Total:		<u>65,000</u>	<u>65,000</u>

### 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>1984 Capital Project Cost</u>
Administration - Consists of completed projects, general investigations of need for improvements, preliminary engineering and small projects.	\$ 75,000
1-MN-330 Interceptor Improvements - Consists of new siphon on the interceptor at Lake Calhoun.	\$ 130,000
Anoka Plant Improvements - Consists of larger compressors, piping and weir modifications, baffling for chlorine contact tanks, sludge handling improvements, relocation of chlorine injection piping, and grit conveyor improvements.	\$ 25,000
Blue Lake Plant Improvements - Consists of piping modifications to allow more process flexibility.	\$ 10,000
Chaska Plant Improvements - Consists of power factor and electrical system improvements, sludge loadout and outfall improvements.	\$ 30,000

Project 83-65 Miscellaneous Capital Improvements (Continued)

<u>Project</u>	<u>1984 Capital Project Cost</u>
Cottage Grove Plant - Consists of primary digester diaphragm replacement, grit removal facilities, telescoping valve improvements, gas scrubber and power factor correction improvements.	\$ 75,000
Empire Plant - Consists of digester access opening, digester liquid level sensors, centrate line modifications, power factor correction, influent sampler flow pacing, digester No. 4 cover improvements, plant flow meter modifications, blower building MCC cooling system, extended aeration modifications, filter building hoist, and bar screen maintenance platforms.	\$ 25,000
Hastings - Consists of an interim Chemical Feed System.	\$ 10,000
Seneca Plant - Consists of catwalks for belt conveyors, flotation thickener modifications, ventilation for vacuum pump room and lime slurry room, ash handling system improvements, return sludge chlorination improvements, piping modifications, and storage building.	\$ 25,000
Stillwater Plant - Consists of odor control for lift pump area, chlorination building and equipment relocation.	\$ 25,000
Lift Stations - Consists of a project to rehabilitate the electrical systems in numerous lift stations and to update the metering and alarm system computer.	\$ 25,000
Lift Stations - Consists of larger pumps and accessories at the Coon Rapids and Lakeville lift stations, Crystal wet well access, new St. Louis Park lift station and odor control at the Lino Lakes and Shakopee lift stations.	\$ 175,000
Interceptor Improvements - Consists of Plymouth-New Hope Interceptor air relief systems, regulator system improvements, Trout Brook Interceptor joint improvements, France Avenue Interceptor rehabilitation and Hopkins and St. Louis Park forcemain alterations, sealing of manholes and castings.	\$ 50,000

Project 83-65 Miscellaneous Capital Improvements (Continued)

<u>Project</u>	<u>1984 Capital Project Cost</u>
Metro Plant Building and Grounds - Consists of pedestrian sidewalks, new tank guard rails, new flow meter on West Battery, storm water runoff handling improvements, truck washing facility, heating and ventilation improvements in plant tunnel system and buildings, additional lockers and showers for operating personnel, tunnel exit light system, plant alarm system, laboratory modifications, screen/grit building remodeling, replacement of existing PCB filled electrical transformers, substation modifications, acid wash system modifications and lightning protection system.	\$ 200,000
Metro Plant Secondary Treatment Facilities - Consists of return activated sludge piping modifications, effluent chlorine residual analyzer modifications, chlorine venting improvements, and mixed liquor flow measurement improvements.	\$ 80,000
Metro Plant Incineration Facilities - Consists of modifications to air duct, No. 5 fuel oil storage tank, boiler softener salt system, replacement of obsolete circuit breakers and transformers, sludge loadout, floor drains, scrubbers and other modifications.	\$ 140,000
Metro Plant Compressor Facilities - Consists of modifications to switchgear, emergency power, PCB transformers, surge arresters and other modifications.	\$ 100,000
Metro Plant Pretreatment Facilities - Consists of improvements to flow metering, grit removal, bar screens and odor control systems.	\$ 50,000
South St. Paul Plant Demolition - Consists of work necessary to demolish most of the existing structures.	\$ <u>250,000</u>
Total:	\$ 1,500,000

Status: Projects will continue into 1984.

Annual Expenditures and Sources of Funds:

	<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
During	1983	750,000	750,000
During	1984	<u>750,000</u>	<u>750,000</u>
Total:		<u>1,500,000</u>	<u>1,500,000</u>

## SOURCE OF AUTHORIZATION FOR PROJECTS

### Project 71-32 Little Canada-Shoreview Intcp.

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

### Project 72-02 MWWTP - Compressor Bldg.

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

### Project 72-07 Maint. & Dispatch Bldg.

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

### Project 74-01 MWWTP - Sludge Disposal

- (400) Sludge Thickening Facilities
- (403) Digital Acquisition & Control System
- (406) Sludge Dewatering Bldg.
- (407) Sludge Processing Equip.
- (408) Sludge Processing Bldg.

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

### Project 75-01 Ultimate Disposal Site

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

### Project 75-10 Engineering Service - NPDES Permits

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

### Project 75-50 Metro Planning

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

### Project 76-07 MWWTP Instrumentation

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

Project 76-13 Environmental Inventory & Assessment

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

Project 76-55 Combined Sewer Study

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

Project 77-05 Beltline Reg./Intcp. Improvement

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

Project 78-01 Future System Configuration

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

Project 78-03 Interim Sludge Disposal

Source of Authorization: Included by an amendment to the Waste Management Policy Plan.

Included by an amendment to the Development Program for years 1978-1982.

Project 79-06 Hastings Plant Improvements

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

Project 79-50 Stipulation Agreement - Metro

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

Project 79-79 I/I Analysis & Rehab. - Community Grants

Source of Authorization: Administration of the pass through grants for Infiltration/Inflow analysis of about communities.

Project 79-80 MWWTP Additional Secondary Treatment Facilities

Source of Authorization: In the Development Program Amendment and the 1980 Budget.

Project 81-51 Lake Gervais Interceptor

Source of Authorization: Included in the Development Program and the 1981 Capital Budget.

Project 81-63 Planning, Programming, Budgeting Systems

Source of Authorization: Included in the 1981 Capital Budget with concurrence of the Metropolitan Council.

Project 81-65 Miscellaneous Capital Improvements

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

Project 82-52 CAB Interceptor

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

Project 82-53 Lake Ann Interceptor

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

Project 82-54 Interceptor Rehabilitation

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

Project 82-55 Minneapolis East Interceptor

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

Project 82-56 MWWTP Screen and Grit Rehabilitation

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

Project 82-57 MWWTP Primary Settling Tank Rehabilitation

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

Project 82-58 MWWTP Secondary Treatment Facility Rehabilitation

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

Project 82-59 Blue Lake WWTW Sludge Thickening Facilities

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

Project 83-51 Chaska Plant Improvements

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

Project 83-52 Maple Plain Plant Improvements

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

Project 83-53 Minnesota River Study

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

Project 83-54 MWWTP Peak Power Demand Study

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

Project 83-55 MWWTP Fire Detection Alarm System Study

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

Project 83-56 Lift Station Electrical System Rehabilitation

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

Project 83-57 Metering and Lift Station Alarm System Improvements

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

Project 83-58 MWWTP Disinfection

Source of Authorization: Approved in the 1983 Capital Budget and required by the Metro Plant Permit.

Project 83-59 Medina Interceptor

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

Project 83-60 Mendota Lift Station and Interceptor

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

Project 83-61 Lino Lakes Second Interceptor Connection

Source of Authorization: Included in the Development Program in 1983.

Project 83-62 Ramsey Second Interceptor Connection

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

Project 83-65 Miscellaneous Capital Improvements

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



SCHEDULES OF  
PROJECTS COMPLETED OR TO BE COMPLETED IN 1983

<u>Project Number</u>	<u>Name of Project</u>
71-03	Lakeville-Farmington
71-06	MWWTP - Pre-treatment
71-09	MWWTP - Compressors
71-29	MWWTP - Warehouse
74-01 (401)	Sludge Thermal Cond. & Dewatering Equipment
74-01 (402)	Sludge Conditioning & Storage Facilities
74-01 (404)	Roll Type Cont. Presses & Access for Sludge De- watering
74-07	Blue Lake Plant Sludge Facilities
76-05	Metro System Emergencies
77-06	Seneca Sludge Dewatering
77-07	Anoka Interceptor

## REQUEST FOR ADDITIONAL FUNDING

### Project 74-01(400), Sludge Thickening Facilities, MWWTP

Reason for Increase: This increase of \$200,000 is to provide additional construction funds for a revision in the scope of the project to include the nitric acid and the renovation of the electrical system.

Previously Appropriated	\$31,259,196
Actual Expenditures 4/30/83	<u>29,760,522</u>
Balance	\$ 1,498,674
Additional Appropriation Requested	<u>\$ 200,000</u>

### Project 75-01, Residual Solids Management

Reason for Increase: The increase is needed for additional costs of the site study which will extend into 1984 under the supervision of the Metropolitan Council.

Previously Appropriated	\$ 1,674,798
Actual Expenditures 4/30/83	<u>1,506,590</u>
Balance	\$ 168,208
Additional Appropriation Requested	<u>\$ 100,000</u>

### Project 75-10, Engineering Services NPDES Permit

Reason for Increase: The increase of \$50,000 is to provide for additional staff and consultant time to review and to provide input on the proposed NPDES requirements at numerous plants and combined sewer overflow points.

Previously Appropriated	\$ 120,000
Actual Expenditures 4/30/83	<u>119,806</u>
Balance	\$ 194
Additional Appropriation Requested	<u>\$ 50,000</u>

### Project 75-50, Metro Planning

Reason for Increase: The increase of \$522,512 is based on the Metropolitan Council's estimate of costs for 1984.

Previously Appropriated	\$ 1,667,488
Actual Expenditures 4/30/83	<u>1,186,233</u>
Balance	\$ 481,255
Additional Appropriation Requested	<u>\$ 522,512</u>

Project 76-07, MWWTP Retrofit Process Control

Reason for Increase: The increase of \$1,500,000 is needed to provide additional construction funds for a revision in the scope of the project and in accord with the recent construction cost estimates.

Previously Appropriated	\$16,250,000
Actual Expenditures 4/30/83	<u>2,189,515</u>
Balance	\$14,060,485
Additional Appropriation Requested	<u>\$ 1,500,000</u>

Project 77-05, Beltline Reg./Intcp. Improvements

Reason for Increase: The increase of \$1,000,000 is to provide additional construction funds for a more complex diversion structure related to transient pressures and is in accord with recent construction cost estimates.

Previously Appropriated	\$ 3,350,000
Actual Expenditures 4/30/83	<u>191,612</u>
Balance	\$ 3,158,388
Additional Appropriation Requested	<u>\$ 1,000,000</u>

Project 79-79, I/I Analysis & Rehab. - Community Grants

Reason for Increase: The increase of \$573,000 is due to the receipt of additional grants. There is no cost to the MWCC as participating communities pick up the local share.

Previously Appropriated	\$ 3,540,000
Actual Expenditures 4/30/83	<u>2,760,702</u>
Balance	\$ 779,298
Additional Appropriation Requested	<u>\$ 573,000</u>

Project 81-63, Planning Program Budget Systems

Reason for Increase: The increase of \$125,000 is necessary to keep abreast of technology and new methods in order to enhance plan revisions as necessary, also to prepare the Development Program.

Previously Appropriated	\$ 200,000
Actual Expenditures 4/30/83	<u>116,329</u>
Balance	\$ 83,671
Additional Appropriation Requested	<u>\$ 125,000</u>

Project 82-55, Minneapolis East Interceptor

Reason for Increase: The increase of \$36,000,000 is to provide funds for Step III construction of Phase I of the interceptor which is needed to avoid bypassing of future dry weather overflows and to avoid a moratorium on sewer connections.

Previously Appropriated	\$ 2,662,000
Actual Expenditures 4/30/83	<u>1,173,493</u>
Balance	1,488,507
Additional Appropriation Requested	<u>\$36,000,000</u>

Project 83-58, MWWTP Disinfection

Reason for Increase: The increase of \$400,000 is to provide funds for Step II design in accordance with the permit and compliance schedule requirements.

Previously Appropriated	\$ 100,000
Actual Expenditures 4/30/83	<u>13,500</u>
Balance	86,500
Additional Appropriation Requested	<u>\$ 400,000</u>

SUMMARY OF NEW PROJECTS - REQUEST FOR FUNDING

<u>Project</u>	<u>Project Name</u>	<u>Step</u>	<u>Estimated Costs</u>
84A	New Brighton Interceptor Extension	II	<u>\$100,000</u>
	TOTAL		<u><u>\$100,000</u></u>

Project 84A - New Brighton Interceptor Extension

Description: The proposed project consists of about 3,000 feet 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 Interstate 694 and between Interstate 35W and westerly to the existing trunk sewer near the railroad.

Resources Required:

Step II - Detail Engineering	\$100,000
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Annual Expenditures:

During 1984	<u>\$100,000</u>
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Total	\$100,000
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# SUMMARY - RESERVE PROJECTS

<u>Project Number</u>	<u>Project</u>	<u>Step</u>	<u>Estimated Costs</u>
82-56 (1)	MWWTP Screen & Grit Bldg. Rehab.	III	\$ 5,800,000
82-57 (1)	MWWTP Primary Settling Tank Rehab.	III	10,000,000
82-58 (1)	MWWTP Secondary Treatment Rehab.	III	6,500,000
83-51 (1)	Chaska Plant Improvements	III	2,200,000
83-58 (1)	MWWTP Disinfection	III	5,000,000
83-61 (3)	Lino Lakes - Second Intcp. Connection	III	<u>225,000</u>
			<u>\$ 29,725,000 (2)</u>

- (1) Projects which are proposed to be initiated in 1984 if Federal and State construction grant funds become available.
- (2) Funds for reserve projects are not included in the budget, but will be added by amendments or included in future budgets. The local share portion of the projects' costs is 10%. Seventy-five percent is to be funded by Federal grants and 15% by State Grants.
- (3) Projects to be initiated in 1984 if approvals are obtained.

METROPOLITAN WASTE CONTROL COMMISSION

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CHIEF ADMINISTRATOR

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DEPUTY

CHIEF ADMINISTRATOR

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

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Director

Surveying  
Testing  
Project Services  
Material Insp.  
Field Inspection  
Construction Mgmt

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Director

Lab. Services  
River Monitor  
Indust. Waste  
Research & Dev.  
Lake Survey  
Special Services  
Sampling  
Process R. & D.

OPERATIONS

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Director

Plant Operations  
Inctp. Maint.  
Metering  
Plant Engineer  
Dispatching  
Telemetering  
Warehousing  
Plant Maint.  
Bldg. Inspection

BUSINESS SERVICES

K. E. Robins  
Director

Purchasing  
Personnel  
Employee Servcs.  
Career Devolp.  
Labor Relations  
Inventory

COMPTROLLER

R. L. Berg  
Director

Accounting  
Collections  
Budget  
Property Acctg.  
Auditing  
Investments  
Disbursements  
Cost Effec. Mgmt.  
Payroll



## Status of Authorized Personnel

<u>Department/Plant</u>	<u>Proposed 1984</u>	<u>Actual 1983</u>
Administration	23	22
Engineering	32	32
Quality Control	86	81
Construction		
Central Office	2	2
Field Office	52	52
Operations		
Central Office	15	15
Empire	27	27
Metro Plant	486	468
Seneca Plant	48	48
Blue Lake Plant	32	32
Anoka	3	3
Maple Plain	2	2
Savage	2	2
Cottage Grove	4	4
Chaska	4	4
Bayport	1	1
Stillwater	6	6
Rosemount	8	8
South St. Paul	12	12
Hastings	5	5
Interceptor	59	59
Business Services	14	14
Comptroller	<u>16</u>	<u>16</u>
Total	<u>939</u>	<u>915</u>

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Commission (Minn.)  
Program budget

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