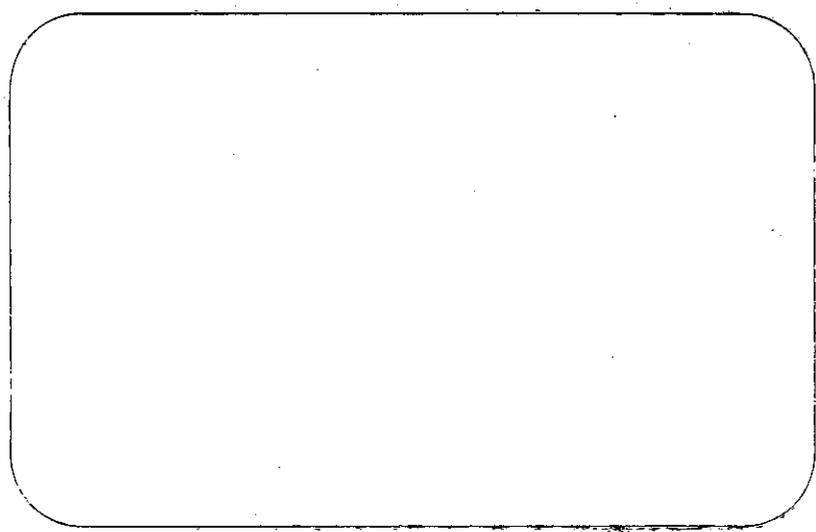
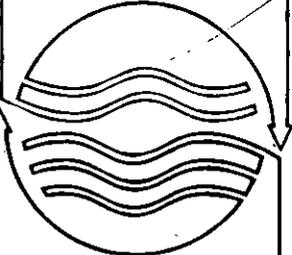


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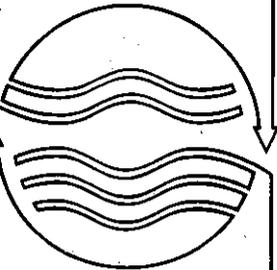
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METROPOLITAN WASTE CONTROL COMMISSION

1983 PROGRAM BUDGET

OFFICIALLY APPROVED OCTOBER 19, 1982



October 5, 1982

The Honorable Salisbury Adams, Chairman  
Members of the Commission  
Metropolitan Waste Control Commission  
350 Metro Square Building  
Saint Paul, Minnesota 55101

Dear Mr. Adams and Commissioners:

Enclosed for your review and consideration in accordance with the Minnesota Statutes, 473.163, is the proposed 1983 Program Budget for the Metropolitan Waste Control Commission covering the period January 1 through December 31, 1983.

The procedure followed in the preparation of the Program Budgets was initiated by the Program Managers preparing their requests based upon their objectives for 1983. 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 19.0% increase. The Budget Committee, consisting of the 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 14.4%. Additional reviews by the Budget Committee have further reduced objectives and resources to a total budget increase of 11.66% which includes two million dollars for anticipated debt service for a bond sale during 1983.

Expenditures for the administration, operation and maintenance of the Metropolitan Disposal System during 1983 totals \$78,153,256. This amount represents a \$8,163,491, or 11.66 percent increase in proposed expenditures over the current year's budget. The total proposed expenditures of \$78,153,256 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 1983 Budget are as follows:

Salaries, Wages & Benefits - Proposed costs for salaries, wages and benefits total \$28,640,927, an increase of \$3,917,010. This increase is attributed to 39 new positions of which 36 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.

Utilities - Proposed costs for various utilities are estimated to cost \$12,651,848, an increase of \$1,733,417.

Materials & Supplies - Proposed costs for materials and supplies for maintenance and operations total \$3,755,447 an increase of \$591,182.

Debt Service & Acquisition Costs - Debt Service and Acquisition costs for 1983 total \$22,353,543 an increase of \$2,398,653. The increase is due to anticipated debt service for a bond sale during 1983. A summary of debt service is indicated on Schedule 4 complete with details for debt assumed from local governments and bond issues of the Metropolitan Council for sewer capital improvements. Acquisition costs are summarized and detailed on Schedule 5.

Insurance - Proposed insurance costs total \$805,044. This is a decrease of \$602,547 due to the change in workers compensation coverage to paid loss retro plan.

Personnel Summary - The personnel requirement for 1983 requires 39 new positions resulting in a total complement of 915 employees. These new positions are required for the administration, operation, and maintenance of the Metropolitan Disposal System as follows: One (1) for the Seneca Plant, thirty-six (36) employees for the expanded facilities at Metro, and two employees are required for the Interceptor System.

Sewer Service Charges - Allocation of current use charges to Local governments being served by the Metropolitan Disposal System is estimated to cost \$74.13 per 100,000 gallons (per family) based on flow volume of 92,571 million gallons. This will produce revenues from current users in an amount of \$68,626,874.

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

<u>Description</u>	<u>Current Use %</u>	<u>Current Use Debt Serv.</u>	<u>Reserve Cap. %</u>	<u>Reserve Cap. Debt Serv.</u>
TW	.718914	10,190,958	.281086	3,984,532
SA #1	.673940	874,265	.326060	422,980
SA #2	.296329	211,645	.703671	502,577
SA #3	.331190	91,648	.668810	185,076
SA #4	.239391	210,963	.760609	670,286
SA #5	.225495	124,559	.774505	427,820
SA #6	.180984	69,524	.819016	314,623
<b>Total</b>		<u>11,773,562</u>		<u>6,507,894</u>

The total Reserve Capacity Requirement is \$6,507,894. Based on our analysis, we are proposing that the present SAC charge of \$425 be continued without change. 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 \$3,130,000.

In summary, the 1983 Proposed Operating Budget of \$78,153,256 is an increase of \$8,163,491 or 11.66% over the 1982 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.	2.54%
B) Additional Debt Service Costs	3.43%
C) General Increase	<u>5.69%</u>
<b>Total Increase</b>	<u>11.66%</u>

The Honorable Salisbury Adams, Chairman  
Members of the Commission  
October 5, 1982  
Page Four

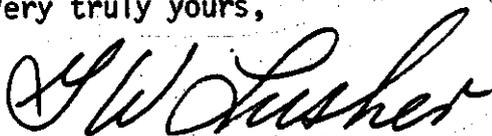
### Capital Budget

The Capital Improvements Program contains 43 projects for which \$361,336,126 has been appropriated during the past several years. It is anticipated that Sixteen (16) of these will be closed out during the current year and the remaining authorized projects will require total expenditures of \$122,544,589. Of this amount, \$12,193,099 has been encumbered and the balance of \$110,351,490 will be encumbered during the next year. A detail financial status of these projects are shown on Schedule 12. In addition, Nine new projects are being proposed in the amount of \$2,100,000 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) \$21,897,511; certified state grants \$4,414,307; anticipated grants \$9,931,562; investment earnings \$3,240,000; and sale of Fridley Site of \$700,000 which totals \$40,437,380, and fund balance as of December 31, 1981 of \$46,332,157 resulting in total revenues of \$86,769,537. Proposed expenditures for previously approved projects and new proposed projects total \$124,644,589 which results in a deficit fund balance of \$37,875,052 which will require sale of bonds to completely finance these projects. A Cash Flow Projection indicates that a bond sale of \$30 million (net proceeds) will be required on or before February 15, 1983.

In submitting this 1983 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 to you our complete cooperation and assistance in the review process.

Very truly yours,



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 negotiation, 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 1983</u>	<u>Budget 1982</u>	<u>Actual 1981</u>
<u>ESTIMATED REVENUES:</u>			
Sewer Service Charges - Communities	\$68,415,362	\$61,532,976	\$52,770,289
Industrial Strength Charges	3,130,000	2,830,000	2,395,711
Service Availability Charges	6,507,894	5,576,789	6,156,632
Investment Earnings	75,000	-0-	-0-
Federal & State Grants	-0-	25,000	14,151
Other	<u>25,000</u>	<u>25,000</u>	<u>41,181</u>
<b>TOTAL ESTIMATED REVENUES</b>	<u><b>\$78,153,256</b></u>	<u><b>\$69,989,765</b></u>	<u><b>\$61,377,964</b></u>
<u>ESTIMATED EXPENDITURES:</u>			
Program	55,799,712	50,034,875	41,704,162
Debt Service	18,281,456	15,885,802	13,361,763
Acquisition Costs	<u>4,072,088</u>	<u>4,069,088</u>	<u>4,069,088</u>
<b>TOTAL ESTIMATED EXPENDITURES</b>	<u><b>\$78,153,256</b></u>	<u><b>\$69,989,765</b></u>	<u><b>\$59,135,013</b></u>
Transfer to SAC Reserve			891,561
Due To Local Governments			<u>1,351,390</u>
<b>GRAND TOTAL</b>			<u><b>\$61,377,964</b></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 1983;

## ADMINISTRATION & MANAGEMENT (001) (continued)

4. To administrate, in cooperation with the Operations Department, a 97% 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: \$639,829

Work Hours Required: 4,500

## 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: \$128,188

Work Hours Required: 4,200

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;

AFFIRMATIVE ACTION/EEO (003)  
(continued)

6. Employ handicapped and train, if needed.

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 Program;
5. Increase minority and female employees in professional and managerial categories;
6. Recruit and employ handicapped, where applicable.

Resources Required: \$87,826

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)

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 1982 Annual Report by February 21, 1983;
2. Produce and distribute 12 issues of OUTFALL Newsletter and Employee Newsletter and Employee News;
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; speech, statement 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: \$89,783

Work Hours Required: 2,800

SAFETY (005)

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

Performance Criteria:

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;

SAFETY (005) (continued)

2. Maintain accurate and adequate injury records; report injury statistics bi-annually;
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: \$102,044

Work Hours Required: 5,000

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;

CAREER DEVELOPMENT (006)(continued)

Performance Criteria:  
(continued)

3. State Certification;
4. Other Operations programs;
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: \$16,192

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;

GRANTS ADMINISTRATION (007) (continued)

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;
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 1983.

Resources Required: \$64,433

Work Hours Required: 3,700

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,

ENGINEERING ADMINISTRATION (008)  
(continued)

Description: (cont.)

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.

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, 1983?
2. Were program objectives accomplished within the budgeted manhours and costs?

Resources Required: \$180,683.

Work Hours Required: 6,295

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;

COMMUNITY SERVICES (009) (continued)

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;
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 reports recommending improvements and requesting the design and construction of needed facilities. (New Activity).

Performance Criteria:

1. Prepare for and obtain Commission approval for 75-100 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 the MPCA on about 250 community sewer improvement projects;

COMMUNITY SERVICES (009) (continued)

Performance Criteria: (cont.)

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 1984 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;
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: \$181,154

Work Hours Required: 10,030

ENGINEERING SERVICES (010)

Description:

1. To prepare plans and specifications in-house for system improvements;
2. To provide engineering support to other department, 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?
4. Were program objectives accomplished within the budgeted manhours and costs?

Resources Required: \$198,411

Work Hours Required: 9,430

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 in accomplishing their program and budgetary objectives,

QUALITY CONTROL ADMINISTRATION (011)

(continued)

Descriptions: (cont.)

- through monthly reviews of objectives and budgets, monthly program managers' meetings and general and clerical support;
2. Coordinate departmental activities with other departments, the Chief Administrator, and the Commission through appropriate meetings and reports;
  3. Participate in public and interagency meetings for the MWCC and respond to external requests for information and data from other governmental agencies and individuals;
  4. Prepare program objectives for the budget process 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 word processing and data processing to improve efficiency of data handling;
  7. 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 department directors;
3. Number of external meetings attended and the number of external requests for data fulfilled by the department;

QUALITY CONTROL ADMINISTRATION (011)

(continued)

Performance Criteria: (cont.)

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 and word processing;
7. Number of employees participating in career development and number of papers presented.

Resources Required: \$178,445

Work Hours Required: 7,100

INDUSTRIAL WASTES (012)

Description: To administer the Commission's industrial waste control program and enforce the waste discharge rules.

1. Plan and coordinate the industrial waste program;
2. Maintain a current inventory of permits and wastes contributed to the MDS.
3. Process all industrial discharge permit applications received.
4. Process all industrial SAC applications received;
5. Administer the strength charge system;
6. Conduct 180 industry investigations;
7. Conduct 40 treatment plant sewer system or spill problem investigations.
8. Enforce Commission regulations;
9. Attend conferences on industrial waste technology;

INDUSTRIAL WASTES (012) (continued)

Description: (cont.)

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 amounts of bills prepared;
6. Number of investigations conducted and number projected;
7. Number of investigations conducted and number projected;
8. Percent of known problems remaining unresolved for 90 days;
9. Value of conferences attended;
10. Date of completion.

Resources Required: \$512,220

Work Hours Required: 29,680

RESEARCH AND DEVELOPMENT (013)

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

1. Sponsor external research projects which address MWCC needs;
2. Review R & D activities of other agencies by attending two technical conferences and reviewing 20 technical reports;

RESEARCH & DEVELOPMENT (013) (continued)

Description: (cont.)

3. Coordinate MWCC co-composting (refuse/sludge) activities, and development for co-compost produced according to work plan developed in 1982.

Performance Criteria:

1. Number of projects completed;
2. Number of conferences attended and reports reviewed;
3. Percent of planned work completed;

Resources Required: \$228,529

Work Hours Required: 2,700

WATER QUALITY MONITORING (014)

Description: To monitor the quality of Metropolitan Area receiving waters and to conduct toxicity testing of treatment plant effluents.

1. Plan and coordinate the MWCC Water Quality Monitoring network;
2. Conduct the MWCC-USGS continuous automatic monitoring program at 12 stations;
3. Conduct the Physico-chemical sampling program at 22 river sites and collect 1412 samples/year;
4. Conduct the toxics monitoring program at 12 river sites and collect 160 samples/year;
5. Conduct the biomonitoring program at 12 river sites and collect 528 samples/year;
6. Conduct 12 static and 5 flow-thru toxicity tests of MWCC treatment plant effluents;
7. Conduct MWCC-MC Co-operative survey of 40 lakes and collect 400 samples;

WATER QUALITY MONITORING (014) (continued)

Description: (cont.)

8. Develop a draft work-plan for a 1985 river-quality assessment by December 31;
9. Process water quality data and information requests in a timely manner;
10. Conduct special studies as required;
11. Attend conference related to water quality monitoring;
12. Prepare an annual report of Water Quality by August 1;
13. Prepare an annual Program Activities' report by March 1;
14. Prepare an annual report of Effluent Toxicity by May 1.

Performance Criteria:

1. Comparison of objectives met;
2. Number of monitor units in operation;
3. Number of samples collected;
4. Number of samples collected;
5. Number of samples collected;
6. Number of tests completed;
7. Number of samples collected;
8. Date of completion;
9. Written assessment of requests processed;
10. Number of special studies conducted;
11. Written assessment of conferences;
12. Date of completion;
13. Date of completion;
14. Date of completion.

WATER QUALITY MONITORING (014) (continued)

Resources Required: \$464,568

Work Hours Required: 20,490

LABORATORY SERVICES (015)

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

1. Collect samples from all treatment plants operated by the Commission for operational plant control and as required by regulatory agencies;
2. Conduct 198,000 laboratory analyses and prepare appropriate reports upon completion of analyses as follows:
  - A. 40,000 analyses for NPDES monitoring of treatment plants.
  - B. 23,000 analyses for area rivers.
  - C. 75,000 analyses for treatment plant control.
  - D. 21,500 analyses for support of special studies.
  - E. 13,000 analyses for industrial waste.
  - F. 26,000 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;

LABORATORY SERVICES (015) (continued)

Description: (cont.)

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 Lake, Seneca, and Empire plants, and visit nine additional 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 analysis requested of the laboratory that are of a non-routine nature.

Performance Criteria

1. Number of samples requiring re-sampling compared to number scheduled;
2. Compare number of analyses conducted to number planned in program;
3. Number of summary reports completed by the 7th day of the month compared to number scheduled;
4. Number completed by the 20th day of 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 conference and publications to program activities;

LABORATORY SERVICES (015) (continued)

Performance Criteria: (cont.)

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;
10. Number of requests processed compared to number requested.

Resources Required: \$1,151,691

Work Hours Required: 76,440

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 Plant and the Seneca Plant 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 Treatment Plants semi-annually;
4. Conduct weekly opacity monitoring on stacks at the Metropolitan and the Seneca Plants;
5. Conduct odor monitoring tests in support of evaluation of odor abatement equipment and compliance monitoring requirements.

AIR QUALITY MONITORING (016)(continued)

Description:(cont.)

6. Prepare an annual air quality report by July 1;
7. Prepare an annual report on air monitoring activities by March 1;
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 Seneca and Metropolitan Plants and maintaining such for optimum removal in incinerator stack gases.

Performance Criteria:

1. Number of stack emissions tests completed as compared to number scheduled;
2. Number of reports prepared to number completed;
3. Number of tests conducted as compared to number scheduled;
4. Number of tests conducted as compared to number scheduled;
5. Number of tests requested compared to the 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 data points collected compared to number schedules;

AIR QUALITY MONITORING (016) (continued)

Performance Criteria: (cont.)

10. Number of test requests compared to number of tests completed.

Resources Required: \$114,376

Work Hours Required: 6,320

SLUDGE UTILIZATION (017)

Description: To provide for the land disposal and composting of sludge from MWCC treatment plants.

1. Arrange for the on-land disposal of approximately 120,000 tons of sludge generated at the Metro Plant;
2. Supervise Metro composting projects and maintain market for 20,000 tons compost;
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 monthly and quarterly reports, and annual report by March 1.

Performance Criteria:

1. Ratio of tons disposed to tons loaded out at Metro;
2. Ratio of tons disposed to tons produced;
3. Land area permitted expressed as % of annual capacity required;
4. Possession of fully executed lease agreements;
5. Date report completed.

Resources Required: \$1,549,802

Work Hours Required: 7,220

CONSTRUCTION ADMINISTRATION (018)

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

1. Maintain and utilize current project files, plans, and specifications; review and evaluate testing and schedule management services; review and evaluate Construction Department personnel performance and needs; review all program budgets prepared by the Construction Department; maintain an ongoing training program for all Construction Department personnel; and maintain a current Construction Department Policy Manual and organizational structure;
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 3 1/2%. The construction administration cost includes material testing costs, schedule management cost, MWCC Construction Department personnel costs and field office and equipment costs;
2. Process Change Orders and Resolutions through the MWCC Engineering Department with 90% of these provided to the Chief Administrator three (3) days prior to mailing to the Commission;

CONSTRUCTION ADMINISTRATION (018)  
(continued)

Performance Criteria: (cont.)

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: \$51,856

Work Hours Required: 2,350

BUSINESS SERVICES ADMINISTRATION (019)

Description:

1. Manage central office business functions including central file system, telephone system, mail distribution, office allocations and security. Coordinate Commission photocopy needs;
2. Provide paper copying reproduction service on a daily basis for central office;
3. Maintain an effective Central File System for communications and paid invoices. Maintain system of retrieval for "pulled" invoices alphabetically by year;
4. Oversee and supervise purchasing activities;
5. Prepare business item for presentation at committee meetings as they relate to labor, personnel and purchasing matters;
6. Conduct bi-monthly department staff meetings to inform staff about Commission activities and to discuss problem areas;

BUSINESS SERVICES ADMINISTRATION (019)  
(continued)

Description (cont.)

7. Hold individual meetings with departmental staff to critique work performance;
8. Maintain bus ridership incentive program. Pass on to Central Office personnel any commuter programs brought to our attention;
9. Maintain computerized personnel records updating and modifying program as needed;
10. Develop the 1983 Business Services Department Budget.

Performance Criteria:

1. Meet all requests for modifications in a timely manner including use of office or storage space. Investigate report to Chief Administrator cost reductions in telephone system, mail system, office security system and Commission wide photocopy needs;
2. 96% of copy requests to be filled the day requested, continue encouragement and direction to increase two-sided copying;
3. Remove all 1981 paid invoices by end of February, provide reference information for retrieval from storage area;
4. Review on-line computer purchasing system and recommend addition or modifications to the system;
5. All necessary business items to be prepared timely;
6. Conduct 6 departmental staff meetings;
7. During the year meet individually with all departmental employees to discuss work performance;

BUSINESS SERVICES ADMINISTRATION (019)  
(continued)

Performance Criteria:

8. Post all incoming commuter information; provide monthly bus pass service;
9. Input changes to personnel program as they occur. Review program with in-house computer specialists twice during year;
10. Meet budget calendar.

Resources Required: \$223,028

Work Hours Required: 6,200

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. Develop 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, applications. Insure proper exposure to Department Directors of applications for all openings;
5. Provide Directors with evaluation and probationary forms assuring that each is filled out with appropriate information for Administration Department review;

PERSONNEL SERVICES (020) (continued)

Description: (cont.)

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 Business Services library facilities and circulate list of new publications, seminars, and meetings regarding all areas under department responsibility to insure current information is available regarding maximum utilization of personnel services;
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. Conduct at least one in-house workshop on successful interview techniques. Update structured interview questions for three positions to assure job related objectivity;
2. 30 personnel files reviewed monthly; develop 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;

PERSONNEL SERVICES (020) (continued)

Performance Criteria: (cont.)

4. Acknowledge all applications within 3 days. Continue control and routine method for various departmental reviews;
5. Maintain receipt of written probationary and evaluation forms assuring that appropriate, specific and job related information is provided for Administration Department review;
6. Provide 6 EAP Bulletins dealing with available services or programs. Provide one inservice seminar for MWCC personnel relating to referral procedures;
7. Semi-annually provide address lists and make seniority list changes 2 days from date hired or promotion;
8. Initiate control and distribution system for circulation of appropriate human resources printed materials. Review and catalog Business Services Personnel Library Resources;
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: \$107,620

Work Hours Required: 4,000

LABOR RELATIONS (021)

Description:

1. Negotiate to a mutual agreement 7 labor contracts within 30 days of their expiration;

LABOR RELATIONS (021) (continued)

Description: (cont.)

2. Produce contract documents for supervisory staff;
3. Develop techniques and establish a plan that will provide for continued operations in the event of any type of work stoppage through attendance at the National and State Public Employers Labor Relations meetings and with consultant assistance;
4. Hold labor/management meetings with union representatives to resolve any general differences as they relate to the labor contract.

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. Establish a written plan that will provide for continued operations in the event of any work stoppage;
4. Hold 3 meetings with union representatives to discuss labor/management problems.

Resources Required: \$48,195

Work Hours Required: 1,700

PROPERTY, CASUALTY AND EMPLOYEE BENEFITS INSURANCE (022)

Description:

1. To process all property and casualty claims so all claims are expedited, all parties receive prompt service and to review all pending claims to ensure that they are being serviced properly;

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

Description: (cont.)

2. To administer the Workers Compensation program to ensure all claims are processed on a timely basis and that the insurance carrier is servicing the claim properly, reviewing on-going claims with carrier representatives;
3. To maintain update data to assure that all risks are covered properly and that the premiums properly reflect the insurance in force;
4. To review with each new employee and give complete explanation of the fringe benefit program, eligibility and term, to complete all necessary steps for enrollment, and at termination, provide information on conversion privileges, and counseling for retiring employees concerning retirement benefits and procedures;
5. To respond to employee inquiries on benefits, assist employees in processing claims, and act as liaison between insurance carriers and employees and their families, to maintain all insurance files, records, updating on a daily basis.

Performance Criteria:

1. Number of property damage claims receiving initial acknowledgement within three days to the total number of claims processed;
2. Workers compensation claims to be processed within 48 hours. Weekly report available on all on-going time-loss claims. All claims forwarded to safety department daily for review. 90% of time-loss claims will be followed up within five days;

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

Performance Criteria: (cont.)

3. All new insurable risks will be reported to insurance company within two days of notification;
4. Every new employee signed up for fringe benefits within one day of employment and coverage deleted for terminating employees within a seven day period;
5. Number of benefit claim questions answered directly to number of inquiries that must be referred to insurance companies or their consultants.

Resources Required: \$863,405

Work Hours Required: 3,950

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. Implement new computer system which will be available January, 1983;
5. Prepare a 1984 budget forecast of materials and supplies for all departments to use in preparing their annual program budget.

PURCHASING (023) (continued)

Performance Criteria:

1. 90% of all purchase orders processed completely within three days from date requisition is received;
2. Report to the Commission on all contracts, and make recommendation in new areas when potential savings could be attained by public competitive bidding, also follow through with contract documents on all Commission approved contracts;
3. Organize entire Central Office motor pool system and introduce new "request use of vehicle" procedure;
4. Coordinate with Commission departments and personnel the installation of multi-function computer program covering purchasing, warehousing, maintenance management;
5. Have budget forecast available by March. Information accumulated by reading all available publications, discussing with supplier, evaluating short and long supply of materials available, etc. at national and local level.

Resources Required: \$149,882

Work Hours Required: 9,350

COMPTROLLER ADMINISTRATION (024)

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

1. Provide coordination and supervision of departmental programs to accomplish their objectives through monthly reviews of objectives and budgets;

COMPTROLLER ADMINISTRATION (024) (continued)

Description: (cont.)

2. Respond to external requests for information and data from other government 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 Ass'n conference and at appropriate seminars where information and displays of the latest management information systems are available;
4. Prepare cost effectiveness studies with 30 days of request;
5. File all Commission items and documents within 3 days of receipt;
6. Invest Federal and State Grant funds on the same day 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 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;
5. Were Commission items filed within 3 days of receipt;

COMPTROLLER ADMINISTRATION (024)  
(continued)

Performance Criteria: (cont.)

6. Were Federal & State Grant Funds invested the same day;
7. Was the budget prepared in accordance with the budget calendar;
8. Were six planned conferences held with Commission personnel;
9. Objectives met, manhours complied with and budget adhered to.

Resources Required: \$98,483

Work Hours Required: 4,810

ACCOUNTING AND 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 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 for which remitted;
6. Bill, collect and record sewer service charge (SSC) monies for 101 communities to be received by the end of the month following the month for which remitted;

ACCOUNTING AND COLLECTIONS (025)  
(continued)

Description: (cont.)

7. Record and post to a subsidiary ledger all monies received from State & Federal grants and reconcile balances with the grants administration section by the 5th day after the end of the month;
8. Bill, collect and record Industrial Strength Charge (ISC) monies for industrial firms to be received within 30 days from date of billing;
9. To respond to 90% of all Program Managers request for financial information within 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 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 the end of the month;
6. Number of SSC monies not received by the 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 1 day divided by total requests, equal to 90%;

ACCOUNTING AND COLLECTIONS (025)  
(continued)

Performance Criteria:

10. Objectives met, manhours complied with and budget adhered to.

Resources Required: \$162,207

Work Hours Required: 6,160

DISBURSEMENTS (026)

Description:

1. Remit 75% of vendor's invoices and utility bills within 30 days;
2. Remit 75% 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: \$93,234

Work Hours Required: 8,540

PAYROLL (027)

Description:

1. Furnish data to compute payroll checks 3 days before payroll day;

PAYROLL (027) (continued)

Description:

2. Remit 90% of deductions taken on payroll checks to proper entities within 10 days after payroll day;
3. Generate quarterly sick leave and vacation reports within 45 days after end of quarter.

Performance Criteria:

1. Number of times payroll data not forwarded 3 days before payroll date;
2. Number of remittances for deductions not forwarded within 10 days after payroll;
3. Number of times sick leave and vacation reports not forwarded within 30 days;
4. Objectives met, manhours complied with and budget adhered to.

Resources Required: \$121,771

Work Hours Required: 9,450

DEBT SERVICE & ACQUISITION COSTS (028)

Description: To provide funds for the following:

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 12/31/83;
2. Meet October 1, 1983 Metropolitan Debt Service payment required;

DEBT SERVICE AND ACQUISITION COSTS (028)  
(continued)

Performance Criteria: (cont.)

3. Grant all credits for acquisition cost assumed by Commission by 12/31/83.

Resources Required: \$22,353,543

Work Hours Required: -0-

OPERATIONS ADMINISTRATION (029)

Description: To manage and oversee operation of all Commission Wastewater treatment plans, conveyance systems, and operating support systems in a timely, effective and efficient 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 effluent limitations at the Metropolitan Plant during 1983;
2. To attain an average of 96% compliance with NPDES effluent limitations at Wastewater Treatment Plants other than the Metropolitan Plant during 1983;
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 attain safety compliance in Operations Department equal to or better than the average for the industry;
5. Monitor financial status to assure compliance with 1983 Operating Budget.

Performance Criteria:

1. The NPDES Permit Compliance at the Metropolitan Wastewater Treatment Plant in 1983 compared to 97%;

OPERATIONS ADMINISTRATION (029)  
(continued)

Performance Criteria: (cont.)

2. The Average NPDES Permit compliance at plants other than the Metropolitan Plant in 1983 compared to 96%;
3. The actual frequency and severity rates of effluent quality for the Metro Plant and for the other treatment plants;
4. Comparison of accident frequency with industry;
5. Quarterly report of percent compliance with 1983 Operating Budget.

Resources Required: \$194,753

Work Hours Required: 8,160

PROCESS ASSURANCE (030)

Description: To provide technical and administrative assistance to Commission wastewater treatment plants for the purpose of process control, planning coordination, construction coordination, and reporting practices. To administer the NPDES permit system, and 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 (96% Compliance);
2. Average frequency at all plants (90% frequency);
3. Average severity at all plants (35% severity);

PROCESS ASSURANCE (030) (continued)

Performance Criteria: (cont.)

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 1982 Treatment Plant Operating Report by April 1, 1983;
7. Complete or update plant capacity reports for treatment plants (75% of all plants);
8. Prepare monthly Stipulation Agreement and Consent Decree summaries and submit on time (100% of all submittals);
9. Develop process improvements to decrease treatment costs by at least 3% at 3 plants;
10. Manage Program 030 within the operating budget.

Resources Required: \$166,533

Work Hours Required: 9,680

MAJOR EMERGENCY REPAIRS (031)

Description:

1. Respond to and provide major emergency repairs of an unforeseeable nature in excess of \$5000 for operational facilities and interceptor systems at a total cost of \$140,000;
2. Manage within the limits of the 1983 Operating Budget.

MAJOR EMERGENCY REPAIRS (031)  
(continued)

Performance Criteria:

1. Complete major emergency repairs in an expeditious manner;
2. Quarterly reports of percent compliance with the 1983 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;
6. Increase computer hardware to meet user needs;
7. Operate within 1983 budget.

Performance Criteria:

1. Development proceeding 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;

MANAGEMENT INFORMATION SYSTEMS (032)  
(continued)

Performance Criteria: (cont.)

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: \$223,466

Work Hours Required: 6,140

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 the limits of the 1983 Operating Budget.

Performance Criteria:

1. Keep maintenance schedule current;
2. Submit reports on time;
3. Quarterly report of percent compliance with 1983 Operating Budget.

Resources Required: \$331,851

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 1983 Interceptor Programs;

INTERCEPTOR SYSTEM ADMINISTRATION (034)  
(continued)

Description: (cont.)

2. To develop and review plans for new facilities and programs;
3. To manage within the limits of the 1983 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 1983 Budget;
3. Quarterly report of percent compliance with the 1983 Operating Budget;
4. Conduct monthly safety meetings, participate on safety committee, review, implement new procedures and equipment.

Resources Required: \$231,001

Work Hours Required: 10,307

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. Manage within the limits of the 1983 Operating Budget.

INTERCEPTOR SYSTEM MAINTENANCE (035)  
(continued)

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 1983 Operating Budget.

Resources Required: \$675,880

Work Hours Required: 13,053

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;
4. Manage within the limits of the 1983 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 1982 Operating Budget.

Resources Required: \$1,719,547

Work Hours Required: 42,324

METERING STATIONS (037)

Description:

1. Keep 156 flow meters in good working order through preventative maintenance and quarterly calibration schedule;
2. Schedule calibrations as efficiently as possible;
3. Prepare and forward to Engineering Department monthly metered flow reports by the 20th of the following month;
4. Prepare community flows for the communities every half year;
5. Assist Engineering in 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 1983 Operating Budget.

Performance Criteria:

1. Keep maintenance and calibration schedules up-to-date;
2. Update maintenance schedule so that problematic meters receive more attention;
3. Prepare and submit flow reports on time;
4. Send reports to 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;

METERING STATIONS (037) (continued)

Performance Criteria: (cont.)

7. Quarterly report of percent compliance with 1983 Operating Budget.

Resources Required: \$635,683

Work Hours Required: 19,605

EMPIRE (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 1983 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;
2. The actual frequency and severity rates of effluent quality during the calendar year;
3. Quarterly report of percent compliance with 1983 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: \$1,431,559

Work Hours Required: 47,530

METRO PLANT (039)

Description:

1. Maintain 97% compliance, 90% frequency, and 40% severity;

METRO PLANT (039) (continued)

Description: (cont.)

2. Reduce accidents by 5%;
3. Train and certify in-house 25 Assistant Operators assigned to Region I;
4. Meet Operating Budget.

Performance Criteria:

1. Meet NPDES Permit Compliance;
2. Accidents reduced in 1983 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.
3. Set up and implement training program for 25 A.O. positions in Region I leading to in-house certification by December 1983;
4. Amount expended versus amount budgeted within 3%.

Resources Required: \$24,873,038

Work Hours Required: 680,804

METRO MAINTENANCE (040)

Description:

1. Provide maintenance services to assure that operational units of the plant meet 97% compliance effluent limitations during 1983;

METRO MAINTENANCE (040) (continued)

Description: (cont.)

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 1983 budget;
5. Maintain satisfactory labor relations;
6. Provide 40 hours of safety training for each maintenance staff member;
7. Conduct 12 thorough safety inspections with follow-up visits.

Performance Criteria:

1. Hours of equipment downtime directly affecting NPDES Permits or performance goals;
2. Hours of equipment downtime directly affecting NPDES Permits of performance goals;
3. Number of emergency work orders not completed in a timely manner;
4. Comparison to 1983 Operating Budget;
5. Number of grievances going to Step III;
6. Hours of training accomplished;
7. Number of inspections and follow-up visits.

Resources Required: \$8,800,073

Work Hours Required: 283,600

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 1982 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;
4. Comparison of actual expenditures to budget amounts;
5. Resolution of all grievancies in a manner to establish a good working atmosphere between management and labor.

Resources Required: \$3,499,254

Work Hours Required: 84,600

BLUE LAKE PLANT (042)

Description:

1. To achieve a minimum annual average compliance with NPDES Permit effluent limitations of 99%;

BLUE LAKE PLANT (042) (continued)

Description: (cont.)

2. To attain effluent quality performance equal to 95% frequency and 33% severity;
3. Manage operations within the limits of the 1983 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 safety meetings for the sludge truck drivers;
6. Establish good labor relations scheduling forty 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 the calendar year;
3. Quarterly report of percent compliance with 1983 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: \$1,756,063

Work Hours Required: 58,432

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 1983 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 1983 Operating Budget.

Resources Required: \$287,029

Work Hours Required: 8,970

ANOKA TREATMENT 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 1983 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;

ANOKA TREATMENT PLANT (044)(continued)

Performance Criteria: (cont.)

3. Quarterly report of percent compliance with the 1983 Operating Budget.

Resources Required: \$245,698

Work Hours Required: 9,500

BAYPORT (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 1983 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 1983 Operating Budget.

Resources Required: \$190,972

Work Hours Required: 7,322

COTTAGE GROVE (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;

COTTAGE GROVE (046) (continued)

Description: (cont.)

3. Manage operations within the limits of the 1983 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 1983 Operating Budget.

Resources Required: \$302,652

Work Hours Required: 13,899

HASTINGS (047)

Description:

1. To achieve a minimum annual average compliance with NPDES Permit effluent limitations of 95%;
2. To attain effluent quality performance equal to 80% frequency and 33% severity;
3. Manage operations within the limits of the 1983 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 1983 Operating Budget.

Resources Required: \$308,450

Work Hours Required: 13,483

STILLWATER (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 1983 Operating Budget.

Performance Criteria:

1. Annual average percentage compliance with NPDES Permit effluent;
2. Actual frequency and severity rates of effluent quality during the calendar year;
3. Quarterly report of percent compliance with 1983 Operating Budget.

Resources Required: \$348,634

Work Hours Required: 14,233

SAVAGE PLANT (049)

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 1983 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;

SAVAGE PLANT (049) (continued)

Performance Criteria:

3. Quarterly report of percentage compliance with the 1983 Operating Budget.

Resources Required: \$113,406

Work Hours Required: 4,520

MAPLE PLAIN (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;
3. Manage operations within the limits of the 1983 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 1983 Operating Budget.

Resources Required: \$94,568

Work Hours Required: 4,000

MEDINA (051)

Description:

1. To attain annual average effluent quality prior to seepage ponds of less than 25mg/1BOD and 30 mg/1 TSS;

MEDINA (051) (continued)

Description: (cont.)

2. To attain effluent quality performance equal to 70% frequency and 50% severity based on 25 mg/1 BLD and 30 mg/1 TSS;
3. Manage operations within the limits of the 1983 Operating Budget.

Performance Criteria:

1. Annual average percentage of effluent quality prior to seepage disposal ponds of less than 5 mg/1 BOD and 30 mg/1 TSS;
2. Actual frequency and severity rates of effluent quality during the calendar year;
3. Quarterly report of percent compliance with 1983 Operating Budget.

Resources Required: \$39,837

Work Hours Required: 2,060

SOUTH ST. PAUL TREATMENT PLANT (052)

Description:

1. To provide continuous pretreatment and conveyance of wastewater to the Metropolitan Plant;
2. To minimize the plant odors noticeable beyond the plants boundaries;
3. To obtain the highest treatment efficiency possible while obtaining goals nos. 1 and 2 above;
4. To maintain good safety conditions;
5. To manage operations within the limits of the 1983 Operating Budget.

Performance Criteria:

1. Avoidance of emergency discharge and maintain the number of days of total plant bypass to the forcemain to less than six;

SOUTH ST. PAUL TREATMENT PLANT (052)  
(continued)

Performance Criteria: (cont.)

2. Operate the primary and secondary portions of the plant in a manner which will result in an equal or lesser number of days in which plant odors are noticeable from the I-494 bidge than the total number in 1982;
3. Maintain continuous operation of each unit process at least 95% of the year, not including times when a unit is removed for service to avoid plant odors;
4. Maintain the total number of work-related accidents which result in lost time to less than ten;
5. Quarterly compliance with the 1983 Budget.

Resources Required: \$787,251

Work Hours Required: 24,060

ROSEMOUNT (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 1983 Operating Budget;
4. To identify safety hazards and promote prompt response to their correction.

Performance Criteria:

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

ROSEMOUNT (053) (continued)

Performance Criteria: (cont.)

2. The actual frequency and severity rates of effluent quality during the calendar year;
3. Quarterly report of percent compliance with 1983 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: \$594,660

Work Hours Required: 19,239

SUMMARY STATEMENT OF PROGRAM EXPENDITURES

	<u>Proposed 1983</u>	<u>Budget 1982</u>	<u>Actual 1981</u>
5010 Salaries & Wages	\$23,867,441	\$20,776,400	\$17,574,005
5020 Employee Benefits	4,773,486	3,947,517	3,672,567
5040 Travel - Out State	33,429	31,040	37,407
5041 Travel - Local	13,821	12,351	9,838
5042 Auto Allowance	9,000	7,800	6,300
5045 Employee Recruitment	5,000	10,000	222
5046 Public Hearings	200	200	139
5050 Commission - Per Diem	14,400	12,000	14,500
5051 Commission - Other	2,000	2,000	1,606
5060 Office Rent	166,000	166,000	164,201
5070 Educational Allowance	12,000	10,000	13,327
5080 Safety	7,600	33,850	19,370
5085 Medical Aids	10,800	10,580	8,001
5090 Cont. Services-Data Processing	82,300	80,584	54,156
5091 Cont. Services-Administration	9,000	14,500	7,650
5092 Cont. Services-Auditing	33,000	33,000	31,759
5093 Cont. Services-Engineering	59,000	54,000	37,060
5094 Cont. Services-Laboratory	38,330	18,200	3,373
5095 Cont. Services-Laundry	114,411	143,399	98,601
5096 Cont. Services-Legal	260,400	254,000	232,747
5097 Cont. Services-Maintenance	1,152,640	1,062,354	910,322
5098 Cont. Services-Operations	562,650	221,660	284,750
5099 Cont. Services-Xerox	76,940	75,630	62,489
5100 Cont. Services-Sludge Disposal	1,375,500	2,443,700	2,461,551
5101 Cont. Services-Janitorial	54,428	49,128	30,067
5102 Cont. Services-Other	553,750	390,552	415,157
5200 Materials & Supplies	1,363,742	1,269,690	737,356
5210 Maintenance Material & Supplies	2,323,005	1,822,475	1,446,281
5300 Office Supplies	68,700	72,100	59,376
5310 Publications	32,785	32,285	13,804
5320 Postage	32,040	30,740	16,005
5330 Office Equipment Repair	7,600	6,250	3,904
5340 Advertising	3,250	6,000	3,202
5350 Dues & Subscriptions	13,371	10,282	10,354
5360 Meal Allowance	200	1,406	2,644
5370 Flood Control	-	-	545

	<u>Proposed 1983</u>	<u>Budget 1982</u>	<u>Actual 1981</u>
5390 Council Participation	110,000	100,000	108,243
5500 Motor Vehicle Expense	737,590	665,472	534,217
5620 Interceptor Rental Contract	84,652	85,615	75,230
5630 Interceptor Maintenance Contract	172,620	189,300	159,967
5700 Insurance - Auto	57,200	205,259	202,006
5701 Insurance - Blanket Bond	1,725	2,500	1,650
5702 Insurance - Building & Property	173,491	241,826	211,309
5703 Insurance - General Liability	83,652	-	-
5704 Insurance - Workman's Compensation	442,095	911,106	872,639
5705 Insurance - Excess Liability	36,659	36,900	58,197
5706 Insurance - Other	10,222	10,000	6,740
5800 Utilities - Electrical	8,313,077	6,126,840	5,146,890
5801 Utilities - Fuel	1,645,060	3,227,550	1,169,983
5802 Utilities - Gas	2,197,945	1,143,345	1,300,232
5803 Utilities - Water	146,270	97,755	79,212
5850 Telephone Service	174,241	153,318	143,489
5851 Leased Lines	175,255	169,623	124,384
5900 Chemicals - Ferric Chloride	755,070	955,671	841,691
5902 Chemicals - Lime	575,788	876,301	1,210,974
5903 Chemicals - Other	914,946	803,380	285,384
5904 Polymers	769,990	111,286	82,429
5905 Chemicals - Acids	24,300	40,000	32,391
5940 Chlorine	304,957	355,944	247,433
5999 Miscellaneous	20,600	24,750	20,490
6010 Debt Service-Local Government	1,662,384	1,754,402	1,819,353
6020 Debt Service-Metro Council	16,619,071	14,131,400	11,542,409
6100 Acquisition Costs	4,072,088	4,069,088	4,069,088
6200 Capital Outlay	<u>740,089</u>	<u>389,461</u>	<u>344,345</u>
	<u>\$78,153,256</u>	<u>\$69,989,765</u>	<u>\$59,135,011</u>

# PROGRAM DETAIL COSTS

## ADMINISTRATION AND MANAGEMENT (001)

5010	Salaries & Wages	\$ 100,024
5020	Employee Benefits	20,005
5040	Travel-Out State	4,000
5042	Auto Allowance	7,200
5046	Public Hearings	100
5060	Office Rent	166,000
5096	Cont. Serv. - Legal	225,000
5350	Dues and Subscriptions	6,500
5390	Council Participation	110,000
5999	Miscellaneous	500
6200	Capital Outlay	500

Total \$ 639,829

## COMMISSION ADMINISTRATION (002)

5010	Salaries & Wages	\$ 61,323
5020	Employee Benefits	12,265
5040	Travel-Out State	1,700
5042	Auto Allowance	1,800
5046	Public Hearings	100
5050	Commission - Per Diem	14,400
5051	Commission - Other	2,000
5096	Cont. Serv. - Legal	29,000
5999	Miscellaneous	500
6200	Capital Outlay	5,100

Total \$ 128,188

## AFFIRMATIVE ACTION (003)

5010	Salaries & Wages	\$ 68,355
5020	Employee Benefits	13,671
5040	Travel-Out State	800
5041	Travel-Local	500
5091	Cont. Serv. - Admin.	3,500
5999	Miscellaneous	500
6200	Capital Outlay	500

Total \$ 87,826

## PUBLIC INFORMATION (004)

5010	Salaries & Wages	\$ 34,869
5020	Employee Benefits	6,974
5040	Travel-Out State	800
5041	Travel-Local	100
5102	Cont. Serv. - Other	5,000
5200	Materials & Supplies	2,500
5310	Publications	27,600
5320	Postage	11,040
5350	Dues and Subscriptions	700
5999	Miscellaneous	200

Total \$ 89,783

## SAFETY (005)

5010	Salaries & Wages	\$ 61,595
5020	Employee Benefits	12,319
5040	Travel-Out State	800
5085	Medical Aids	8,050
5090	Cont. Serv. Data Proc.	500
5102	Cont. Serv. - Other	5,700
5200	Materials & Supplies	4,100
5310	Publications	1,285
5350	Dues and Subscriptions	1,370
5500	Motor Vehicle Expense	3,625
6200	Capital Outlay	2,700

Total \$ 102,044

## CAREER DEVELOPMENT (006)

5010	Salaries & Wages	\$ 3,327
5020	Employee Benefits	665
5041	Travel-Local	100
5070	Educational Allowance	12,000
5999	Miscellaneous	100

Total \$ 16,192

GRANTS ADMINISTRATION (007)

5010	Salaries & Wages	\$	51,486
5020	Employee Benefits		10,297
5040	Travel-Out State		375
5041	Travel-Local		150
5350	Dues and Subscriptions		1,525
5999	Miscellaneous		300
6200	Capital Outlay		300
	Total	\$	<u>64,433</u>

ENGINEERING ADMINISTRATION (008)

5010	Salaries & Wages	\$	116,660
5020	Employee Benefits		23,332
5040	Travel-Out State		3,800
5041	Travel-Local		1,616
5093	Cont. Serv. - Engineering		25,000
5200	Materials & Supplies		6,000
5310	Publications		400
5350	Dues and Subscriptions		1,125
5500	Motor Vehicle Expense		2,000
6200	Capital Outlay		750
	Total	\$	<u>180,683</u>

COMMUNITY SERVICES (009)

5010	Salaries & Wages	\$	150,962
5020	Employee Benefits		30,192
	Total	\$	<u>181,154</u>

ENGINEERING SERVICES (010)

5010	Salaries & Wages	\$	165,343
5020	Employee Benefits		33,068
	Total	\$	<u>198,411</u>

QUALITY CONTROL ADMINISTRATION (011)

5010	Salaries & Wages	\$	133,942
5020	Employee Benefits		26,789
5040	Travel-Out State		6,400
5041	Travel-Local		1,200
5102	Cont. Serv. - Other		5,000
5200	Materials & Wupplies		200
5310	Publications		3,000
5350	Dues and Subscriptions		514
5500	Motor Vehicle Expense		1,400
	Total	\$	<u>178,445</u>

INDUSTRIAL WASTES (012)

5010	Salaries & Wages	\$	391,142
5020	Employee Benefits		78,228
5041	Travel-Local		1,050
5090	Cont. Serv. - Data Proc.		6,000
5200	Materials & Supplies		11,900
5500	Motor Vehicle Expense		9,000
5999	Miscellaneous		300
6200	Capital Outlay		14,600
	Total	\$	<u>512,220</u>

RESEARCH & DEVELOPMENT (013)

5010	Salaries & Wages	\$	54,191
5020	Employee Benefits		10,838
5094	Cont. Serv. - Lab		1,500
5102	Cont. Serv. - Other		155,000
5200	Materials & Supplies		7,000
	Total	\$	<u>228,529</u>

WATER QUALITY MONITORING (014)

5010	Salaries & Wages	\$	271,886
5020	Employee Benefits		54,377
5041	Travel-Local		70
5090	Cont. Serv. - Data Proc.		6,500
5097	Cont. Serv. - Maint.		2,900
5102	Cont. Serv. - Other		62,000
5200	Materials & Supplies		11,450
5210	Maint. Mtls. & Spls.		2,800
5500	Motor Vehicle Expense		10,125
5851	Leased Lines		17,900
6200	Capital Outlay		24,560
	Total	\$	<u>464,568</u>

LABORATORY SERVICES (015)

5010	Salaries & Wages	\$	799,938
5020	Employee Benefits		159,988
5041	Travel-Local		300
5090	Cont. Serv. - Data Proc.		7,400
5094	Cont. Serv. - Lab		33,330
5097	Cont. Serv. - Maint.		17,660
5101	Cont. Serv. - Janitorial		3,000
5200	Materials & Supplies		99,000
5500	Motor Vehicle Expense		13,300
6200	Capital Outlay		17,775
	Total	\$	<u>1,151,691</u>

AIR QUALITY MONITORING (016)

5010	Salaries & Wages	\$	74,847
5020	Employee Benefits		14,969
5041	Travel-Local		80
5090	Cont. Serv. - Data Proc.		500
5097	Cont. Serv. - Maint.		2,100
5200	Materials & Supplies		11,160
5500	Motor Vehicle Expense		2,000
6200	Capital Outlay		8,720

Total \$ 114,376

SLUDGE UTILIZATION ON LAND (017)

5010	Salaries & Wages	\$	107,968
5020	Employee Benefits		21,594
5041	Travel-Local		300
5090	Cont. Serv. - Data Proc.		3,000
5094	Cont. Serv. - Lab		3,500
5100	Cont. Serv. - Sldg. Rem.		1,275,840
5102	Cont. Serv. - Other		33,000
5200	Materials & Supplies		98,500
5300	Office Supplies		500
5500	Motor Vehicle Expense		5,600

Total \$ 1,549,802

CONSTRUCTION ADMINISTRATION (018)

5010	Salaries & Wages	\$	41,814
5020	Employee Benefits		8,363
5040	Travel-Out State		904
5350	Dues and Subscriptions		537
5500	Motor Vehicle Expense		238

Total \$ 51,856

BUSINESS SERVICES ADMINISTRATION (019)

5010	Salaries & Wages	\$	58,232
5020	Employee Benefits		11,646
5040	Travel-Out State		2,050
5041	Travel-Local		200
5099	Cont. Serv.-Xerox		50,000
5300	Office Supplies		37,600
5320	Postage		21,000
5330	Office Equipment Repair		4,300
5850	Telephone Service		38,000

Total \$ 223,028

PERSONNEL SERVICES (020)

5010	Salaries & Wages	\$	66,825
5020	Employee Benefits		13,365
5045	Employee Recruitment		5,000
5102	Cont. Serv. - Other		18,980
5340	Advertising		2,750
5999	Miscellaneous		700

Total \$ 107,620

LABOR RELATIONS & EMPLOYEE BENEFITS (021)

5010	Salaries & Wages	\$	35,329
5020	Employee Benefits		7,066
5091	Cont. Serv. - Admin.		5,500
5999	Miscellaneous		300

Total \$ 48,195

PROPERTY, CASUALTY AND EMPLOYEE BENEFITS INSURANCE (022)

5010	Salaries & Wages	\$	48,634
5020	Employee Benefits		9,727
5700	Insurance-Auto		57,200
5701	Insurance-Blanket Bond		1,725
5702	Insurance-Bldg. & Prop.		173,491
5703	Insurance-Gen. Liab.		83,652
5704	Insurance-Wkms. Comp.		442,095
5705	Ins. Umbr. Exc. Liab.		36,659
5706	Insurance-Other		10,222

Total \$ 863,405

PURCHASING DEPARTMENT (023)

5010	Salaries & Wages	\$	118,735
5020	Employee Benefits		23,747
5102	Cont. Serv. - Other		1,000
5340	Advertising		500
5350	Dues & Subscriptions		250
5500	Motor Vehicle Expense		5,100
6200	Capital Outlay		550

Total \$ 149,882

COMPTROLLER ADMINISTRATION (024)

5010	Salaries & Wages	\$	77,436
5020	Employee Benefits		15,487
5040	Travel-Out State		1,300
5090	Cont. Serv. - Data Proc.		2,000
5350	Dues & Subscriptions		200
5500	Motor Vehicle Expense		1,360
5999	Miscellaneous		300
6200	Capital Outlay		400

Total \$ 98,483

ACCOUNTING & COLLECTIONS (025)

5010	Salaries & Wages	\$	85,418
5020	Employee Benefits		17,084
5041	Travel-Local		255
5090	Cont. Serv. - Data Proc.		26,000
5092	Cont. Serv. - Auditing		33,000
6200	Capital Outlay		450

Total \$ 162,207

DISBURSEMENTS (026)

5010	Salaries & Wages	\$	77,695
5020	Employee Benefits		15,539

Total \$ 93,234

PAYROLL (027)

5010	Salaries & Wages	\$	83,434
5020	Employee Benefits		16,687
5090	Cont. Serv. - Data Proc.		21,400
6200	Capital Outlay		250

Total \$ 121,771

DEBT SERVICE & ACQUISITION COSTS (028)

6010	Debt Serv. - Local Gov.	\$	1,662,384
6020	Debt. Serv.-Metro Coun.		16,619,071
6100	Acquisition Costs		4,072,088

Total \$ 22,353,543

OPERATIONS ADMINISTRATION (029)

5010	Salaries & Wages	\$	145,861
5020	Employee Benefits		29,172
5040	Travel-Out State		9,500
5041	Travel-Local		250
5500	Motor Vehicle Expense		2,050
5999	Miscellaneous		500
6200	Capital Outlay		7,420

Total \$ 194,753

PROCESS ASSURANCE (030)

5010	Salaries & Wages	\$	135,811
5020	Employee Benefits		27,162
5041	Travel-Local		460
5102	Cont. Serv. - Other		1,250
5200	Materials & Supplies		900
5300	Office Supplies		800
6200	Capital Outlay		150

Total \$ 166,533

MAJOR EMERGENCY REPAIR (031)

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

Total \$ 140,000

MANAGEMENT INFORMATION SYSTEMS (032)

5010	Salaries & Wages	\$	77,531
5020	Employee Benefits		15,506
5041	Travel-Local		1,150
5093	Cont. Serv. - Eng.		20,000
5097	Cont. Serv. - Maint.		48,490
5200	Materials & Supplies		18,420
5300	Office Supplies		350
5310	Publications		400
5850	Telephone Service		11,200
6200	Capital Outlay		30,419

Total \$ 223,466

REGULATOR SYSTEM (033)

5010	Salaries & Wages	\$ 183,420
5020	Employee Benefits	36,684
5041	Travel-Local	175
5085	Medical Aids	50
5095	Cont. Serv. - Laundry	1,872
5097	Cont. Serv. - Maint.	15,000
5200	Materials & Supplies	5,000
5210	Maint. Mtls. & Spls.	18,000
5300	Office Supplies	350
5500	Motor Vehicle Expense	25,400
5800	Utilities - Electrical	6,500
5851	Leased Lines	14,400
5999	Miscellaneous	150
6200	Capital Outlay	<u>24,850</u>
	Total	\$ <u>331,851</u>

INTERCEPTOR SYSTEM ADMINISTRATION (034)

5010	Salaries & Wages	\$ 136,200
5020	Employee Benefits	27,240
5040	Travel-Out State	1,000
5041	Travel-Local	100
5097	Cont. Serv. - Maint.	6,050
5102	Cont. Serv. - Other	41,875
5300	Office Supplies	1,000
5310	Publications	100
5330	Office Equipment Repair	1,100
5500	Motor Vehicle Expense	3,876
5802	Utilities - Gas	6,280
5850	Telephone Service	3,285
5851	Leased Lines	1,400
6200	Capital Outlay	<u>1,495</u>
	Total	\$ <u>231,001</u>

INTERCEPTOR SYSTEM MAINTENANCE (035)

5010	Salaries & Wages	\$ 190,768
5020	Employee Benefits	38,154
5085	Medical Aids	150
5095	Cont. Serv. - Laundry	936
5097	Cont. Serv. - Maint.	16,000
5102	Cont. Serv. - Other	50
5200	Materials & Supplies	61,500
5210	Maint. Mtls. & Spls.	7,250
5300	Office Supplies	250
5500	Motor Vehicle Expense	23,500
5620	Interceptor Rental Cont.	84,652
5630	Interceptor Maint. Cont.	172,620
5999	Miscellaneous	50
6200	Capital Outlay	<u>80,000</u>
	Total	\$ <u>675,880</u>

LIFT STATIONS (036)

5010	Salaries & Wages	\$ 637,148
5020	Employee Benefits	127,429
5041	Travel-Local	1,000
5085	Medical Aids	750
5095	Cont. Serv. - Laundry	6,240
5097	Cont. Serv. - Maint.	80,000
5102	Cont. Serv. - Other	1,000
5200	Materials & Supplies	75,100
5210	Maint. Mtls. & Spls.	113,700
5300	Office Supplies	400
5500	Motor Vehicle Expense	71,340
5800	Utilities - Electrical	463,275
5802	Utilities - Gas	26,450
5803	Utilities - Water	2,650
5850	Telephone Service	9,250
5851	Leased Lines	43,390
5940	Chlorine	2,575
5999	Miscellaneous	300
6200	Capital Outlay	<u>57,550</u>

Total	\$ <u>1,719,547</u>
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METERING STATIONS (037)

5010	Salaries & Wages	\$ 317,776
5020	Employee Benefits	63,555
5041	Travel-Local	403
5085	Medical Aids	200
5095	Cont. Serv. - Laundry	2,334
5097	Cont. Serv. - Maint.	26,160
5102	Cont. Serv. - Other	325
5200	Materials & Supplies	17,036
5210	Maint. Mtls. & Spls.	54,825
5300	Office Supplies	400
5500	Motor Vehicle Expense	28,900
5800	Utilities - Electrical	13,217
5851	Leased Lines	85,152
5999	Miscellaneous	750
6200	Capital Outlay	<u>24,650</u>

Total	\$ <u>635,683</u>
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EMPIRE PLANT (038)

5010	Salaries & Wages	\$ 725,839
5020	Employee Benefits	145,168
5041	Travel-Local	400
5085	Medical Aids	300
5090	Cont. Serv. - Data Proc.	6,000
5095	Cont. Serv. - Laundry	5,357
5097	Cont. Serv. - Maint.	71,500
5098	Cont. Serv. - Operations	3,000
5099	Cont. Serv. - Xerox	2,040
5102	Cont. Serv. - Other	7,460
5200	Materials & Supplies	29,500
5210	Maint. Mtls. & Spls.	72,500
5300	Office Supplies	1,500
5330	Office Equip. Repair	200
5350	Dues & Subscriptions	200
5360	Meal Allowance	100
5500	Motor Vehicle Expense	12,470
5800	Utilities - Electrical	213,200
5801	Utilities - Fuel	70,000
5802	Utilities - Gas	4,500
5850	Telephone Service	7,380
5851	Leased Lines	660
5903	Chemicals - Other	1,919
5904	Polymers	45,990
5940	Chlorine	4,026
5999	Miscellaneous	350
	<b>Total</b>	<b><u>\$1,431,559</u></b>

OPERATIONS, METRO PLANT (039)

5010	Salaries & Wages	\$8,904,114
5020	Employee Benefits	1,780,823
5041	Travel-Local	1,000
5080	Safety	5,000
5090	Cont. Serv. - Data Proc.	3,000
5095	Cont. Serv. - Laundry	76,442
5098	Cont. Serv. - Operations	545,650
5099	Cont. Serv. - Xerox	15,200
5101	Cont. Serv. - Janitorial	15,184
5102	Cont. Serv. - Other	192,053
5200	Materials & Supplies	797,886
5300	Office Supplies	20,000
5330	Office Equip. Repair	1,500
5500	Motor Vehicle Expense	121,571
5800	Utilities - Electrical	6,614,000
5801	Utilities - Fuel	1,381,300
5802	Utilities - Gas	1,747,000
5803	Utilities - Water	100,000

OPERATIONS, METRO PLANT (039) (continued)

5850	Telephone Service	72,765
5900	Chemicals-Ferr. Chl.	485,400
5902	Chemicals - Lime	308,700
5903	Chemicals - Other	689,500
5904	Polymers	614,500
5905	Chemicals - Acids	24,300
5940	Chlorine	211,500
5999	Miscellaneous	5,000
6200	Capital Outlay	<u>139,650</u>
	<b>Total</b>	<b><u>\$24,873,038</u></b>

MAINTENANCE, METRO PLANT (040)

5010	Salaries & Wages	\$5,270,073
5020	Employee Benefits	1,054,015
5041	Travel-Local	1,000
5097	Cont. Serv. - Maint.	426,575
5099	Cont. Serv. - Xerox	3,000
5102	Cont. Serv. - Other	3,000
5210	Maint. Mtls. & Spls.	1,761,160
5300	Office Supplies	2,000
5500	Motor Vehicle Expense	45,000
5999	Miscellaneous	1,000
6200	Capital Outlay	<u>233,250</u>
	<b>Total</b>	<b><u>\$8,800,073</u></b>

SENECA TREATMENT PLANT (041)

5010	Salaries & Wages	\$1,305,816
5020	Employee Benefits	261,163
5041	Travel-Local	300
5085	Medical Aids	600
5095	Cont. Serv. - Laundry	9,000
5097	Cont. Serv. - Maint.	200,000
5098	Cont. Serv. - Operations	14,000
5099	Cont. Serv. - Xerox	3,000
5101	Cont. Serv. - Janitorial	21,970
5200	Materials & Supplies	42,000
5210	Maint. Mtls. & Spls.	126,000
5300	Office Supplies	2,200
5330	Office Equip. Repair	250
5350	Dues & Subscriptions	250
5500	Motor Vehicle Expense	5,125
5800	Utilities - Electrical	322,000
5801	Utilities - Fuel	170,580
5802	Utilities - Gas	318,000
5803	Utilities - Water	5,500

SENECA TREATMENT PLANT (041)  
(continued)

5850 Telephone Service	\$ 14,850
5851 Leased Lines	900
5900 Chemicals - Ferr. Chl.	260,000
5902 Chemicals - Lime	240,000
5903 Chemicals - Other	7,000
5904 Polymers	109,500
5940 Chlorine	42,000
5999 Miscellaneous	1,250
6200 Capital Outlay	<u>16,000</u>
Total	<u>\$3,499,254</u>

BLUE LAKE PLANT (042)

5010 Salaries & Wages	\$ 912,449
5020 Employee Benefits	182,489
5041 Travel-Local	275
5080 Safety	2,500
5085 Medical Aids	100
5096 Cont. Serv. - Legal	6,400
5097 Cont. Serv. - Maint.	11,000
5099 Cont. Serv. - Xerox	2,500
5101 Cont. Serv. - Janitorial	9,600
5102 Cont. Serv. - Other	3,500
5200 Materials & Supplies	24,000
5210 Maint. Mtls. & Spls.	36,000
5300 Office Supplies	900
5330 Office Equip. Repair	250
5350 Dues & Subscriptions	200
5500 Motor Vehicle Expense	225,000
5800 Utilities - Electrical	244,000
5801 Utilities - Fuel	1,700
5802 Utilities - Gas	16,700
5803 Utilities - Water	18,900
5850 Telephone Service	6,900
5903 Chemicals - Other	300
5940 Chlorine	14,100
5999 Miscellaneous	300
6200 Capital Outlay	<u>36,000</u>
Total	<u>\$1,756,063</u>

CHASKA (043)

5010 Salaries & Wages	\$ 126,867
5020 Employee Benefits	25,373
5041 Travel-Local	100
5095 Cont. Serv. - Laundry	1,054
5097 Cont. Serv. - Maint.	6,000
5102 Cont. Serv. - Other	1,200
5200 Materials & Supplies	3,800
5210 Maint. Mtls. & Spls.	7,800
5500 Motor Vehicle Expense	14,800
5800 Utilities - Electrical	32,000
5801 Utilities - Fuel	500
5803 Utilities - Water	4,000
5850 Telephone Service	725
5851 Leased Lines	1,600
5903 Chemicals - Other	49,000
5940 Chlorine	1,410
5999 Miscellaneous	300
6200 Capital Outlay	<u>10,500</u>
Total	<u>\$ 287,029</u>

ANOKA (044)

5010 Salaries & Wages	\$ 122,619
5020 Employee Benefits	24,524
5041 Travel-Local	300
5095 Cont. Serv. - Laundry	515
5097 Cont. Serv. - Maint.	5,500
5100 Cont. Serv. Sldg. Rem.	1,000
5102 Cont. Serv. - Other	600
5200 Materials & Supplies	1,000
5210 Maint. Mtls. & Spls.	5,000
5500 Motor Vehicle Expense	12,000
5800 Utilities - Electrical	55,500
5801 Utilities - Fuel	4,000
5803 Utilities - Water	420
5850 Telephone Service	680
5851 Leased Lines	840
5903 Chemicals - Other	2,000
5940 Chlorine	8,000
5999 Miscellaneous	200
6200 Capital Outlay	<u>1,000</u>
Total	<u>\$ 245,698</u>

BAYPORT (045)

5010	Salaries & Wages	\$	73,491
5020	Employee Benefits		14,698
5095	Cont. Serv. - Laundry		300
5097	Cont. Serv. - Maint.		4,000
5099	Cont. Serv. - Xerox		300
5100	Cont. Serv. - Sldg. Rem.		2,000
5102	Cont. Serv. - Other		2,000
5200	Materials & Supplies		2,800
5210	Maint. Mtls. & Spls.		7,200
5500	Motor Vehicle Expense		13,760
5800	Utilities - Electrical		32,404
5801	Utilities - Fuel		2,420
5802	Utilities - Gas		7,578
5803	Utilities - Water		3,000
5850	Telephone Service		615
5851	Leased Lines		1,413
5903	Chemicals - Other		21,385
5940	Chlorine		1,208
5999	Miscellaneous		400
	<b>Total</b>	<b>\$</b>	<b><u>190,972</u></b>

COTTAGE GROVE (046)

5010	Salaries & Wages	\$	138,872
5020	Employee Benefits		27,774
5095	Cont. Serv. - Laundry		925
5097	Cont. Serv. - Maint.		8,540
5099	Cont. Serv. - Xerox		300
5100	Cont. Serv. - Sldg. Rem.		5,000
5102	Cont. Serv. - Other		1,767
5200	Materials & Supplies		4,000
5210	Maint. Mtls. & Spls.		13,000
5500	Motor Vehicle Expense		19,970
5800	Utilities - Electrical		49,252
5801	Utilities - Fuel		2,420
5802	Utilities - Gas		21,564
5850	Telephone Service		442
5851	Leased Lines		1,600
5903	Chemicals - Other		1,950
5940	Chlorine		4,776
5999	Miscellaneous		500
	<b>Total</b>	<b>\$</b>	<b><u>302,652</u></b>

HASTINGS (047)

5010	Salaries & Wages	\$	138,788
5020	Employee Benefits		27,758
5095	Cont. Serv. - Laundry		1,040
5097	Cont. Serv. - Maint.		5,500
5099	Cont. Serv. - Xerox		300
5100	Cont. Serv. - Sldg. Rem.		3,000
5102	Cont. Serv. - Other		1,450
5200	Materials & Supplies		3,480
5210	Maint. Mtls. & Spls.		10,000
5500	Motor Vehicle Expense		16,220
5800	Utilities - Electrical		39,990
5801	Utilities - Fuel		2,420
5802	Utilities - Gas		7,500
5803	Utilities - Water		1,000
5850	Telephone Service		684
5851	Leased Lines		1,658
5903	Chemicals - Other		41,324
5940	Chlorine		5,838
5999	Miscellaneous		500
	<b>Total</b>	<b>\$</b>	<b><u>308,450</u></b>

STILLWATER (048)

5010	Salaries & Wages	\$	148,613
5020	Employee Benefits		29,723
5095	Cont. Serv. - Laundry		1,140
5097	Cont. Serv. - Maint.		10,285
5099	Cont. Serv. - Xerox		300
5100	Cont. Serv. - Sldg. Rem.		5,000
5102	Cont. Serv. - Other		1,700
5200	Materials & Supplies		3,560
5210	Maint. Mtls. & Spls.		11,000
5500	Motor Vehicle Expense		25,220
5800	Utilities - Electrical		28,564
5801	Utilities - Fuel		2,420
5802	Utilities - Gas		4,377
5850	Telephone Service		1,095
5851	Leased Lines		1,052
5903	Chemicals - Other		69,913
5940	Chlorine		4,172
5999	Miscellaneous		500
	<b>Total</b>	<b>\$</b>	<b><u>348,634</u></b>

SAVAGE (049)

5010	Salaries & Wages	\$	63,769
5020	Employee Benefits		12,753
5041	Travel-Local		230
5080	Safety		100
5095	Cont. Serv. - Laundry		640
5097	Cont. Serv. - Maint.		1,000
5102	Cont. Serv. - Other		740
5200	Materials & Supplies		650
5210	Maint. Mtls. & Spls.		5,400
5500	Motor Vehicle Expense		2,200
5800	Utilities - Electrical		14,000
5801	Utilities - Fuel		1,500
5802	Utilities - Gas		6,000
5803	Utilities - Water		1,300
5850	Telephone Service		1,030
5851	Leased Lines		990
5903	Chemicals - Other		300
5940	Chlorine		604
5999	Miscellaneous		200

Total \$ 113,406

MAPLE PLAIN (050)

5010	Salaries & Wages	\$	56,907
5020	Employee Benefits		11,381
5095	Cont. Serv. - Laundry		480
5097	Cont. Serv. - Maint.		2,000
5100	Cont. Serv. - Sldg. Rem.		500
5102	Cont. Serv. - Other		400
5200	Materials & Supplies		1,200
5210	Maint. Mtls. & Spls.		4,000
5500	Motor Vehicle Expense		4,500
5800	Utilities - Electrical		7,000
5801	Utilities - Fuel		2,500
5803	Utilities - Water		300
5850	Telephone Service		700
5851	Leased Lines		1,100
5903	Chemicals - Other		500
5940	Chlorine		700
5999	Miscellaneous		400

Total \$ 94,568

MEDINA (051)

5010	Salaries & Wages	\$	26,135
5020	Employee Benefits		5,227
5097	Cont. Serv. Maint.		2,000
5200	Materials & Supplies		100
5210	Maint. Mtls. & Spls.		1,500
5500	Motor Vehicle Expense		1,750
5800	Utilities - Electrical		1,975
5903	Chemicals - Other		700
5940	Chlorine		300
5999	Miscellaneous		150

Total \$ 39,837

SOUTH ST. PAUL (052)

5010	Salaries & Wages	\$	395,400
5020	Employee Benefits		79,080
5041	Travel-Local		657
5085	Medical Aids		500
5095	Cont. Serv. - Laundry		3,334
5097	Cont. Serv. - Maint.		30,880
5100	Cont. Serv. - Sldg. Rem.		39,600
5102	Cont. Serv. - Other		4,200
5200	Materials & Supplies		6,500
5210	Maint. Mtls. & Spls.		40,870
5300	Office Supplies		200
5500	Motor Vehicle Expense		5,990
5800	Utilities - Electrical		148,200
5802	Utilities - Gas		14,000
5803	Utilities - Water		9,200
5850	Telephone Service		1,240
5851	Leased Lines		1,200
5940	Chlorine		2,200
6200	Capital Outlay		4,000

Total \$ 787,251

ROSEMOUNT (053)

5010	Salaries & Wages	\$ 291,764
5020	Employee Benefits	58,353
5041	Travel-Local	100
5085	Medical Aids	100
5095	Cont. Serv. - Laundry	2,802
5097	Cont. Serv. - Maint.	27,500
5100	Cont. Serv. - Sldg. Rem.	43,560
5101	Cont. Serv. - Janitorial	4,674
5102	Cont. Serv. - Other	3,500
5200	Materials & Supplies	13,500
5210	Maint. Mtls. & Spls.	25,000
5300	Office Supplies	250
5360	Meal Allowance	100
5500	Motor Vehicle Expense	3,200
5800	Utilities - Electrical	28,000
5801	Utilities - Fuel	3,300
5802	Utilities - Gas	17,996
5850	Telephone Service	3,400
5900	Chemicals - Ferr. Chl.	9,670
5902	Chemicals - Lime	27,088
5903	Chemicals - Other	29,155
5940	Chlorine	1,548
5999	Miscellaneous	<u>100</u>
	Total	\$ <u>594,660</u>

## Summary of Debt Service

	<u>Proposed 1983</u>	<u>Budget 1982</u>	<u>Actual 1981</u>
Treatment Works	\$14,175,490	\$12,214,490	\$10,033,206
Interceptor System			
Service Areas:			
1. Minneapolis - St. Paul	1,297,245	1,237,507	1,111,955
2. North Suburban	714,221	606,115	539,014
3. Anoka	276,725	69,285	44,784
4. Southwest	881,249	808,738	736,575
5. Bloomington-Eagan Burnsville	552,379	590,850	563,763
6. Southeast	<u>384,147</u>	<u>358,817</u>	<u>332,465</u>
Totals	<u>\$18,281,456</u>	<u>\$15,885,802</u>	<u>\$13,361,762</u>

METROPOLITAN COUNCIL SEWER BOND FUND DEBT SERVICE

Estimated Fund Balance - October 1, 1982	\$19,703,055
Less - Debt Service Payments November 1, 1982 through October 1, 1983	18,053,252
Add - Interest to be earned October 1, 1982 through October 1, 1983	2,142,393
Add - MWCC Payment October 1, 1982	<u>5,200,000</u>
Balance	\$ 8,992,196
Required Balance - October 1, 1983	<u>26,150,760</u>
Sub-Total	17,158,564
Less - Capitalized interest to be included in 1983 Bond Sale	<u>2,000,000</u>
Total Due Metropolitan Council	\$15,158,564
1983 Payment Due SAC Fund:	
Principal	\$866,667
Accrued Interest	<u>593,840</u>
Total Due SAC Fund	<u>1,460,507</u>
Program Budget Requirement	<u>\$16,619,071</u>

Apportioned to:

<u>Cost Pool</u>	<u>Capital Improvements</u>	<u>% of Debt Service</u>	<u>Amount</u>
Treatment Works	\$497,241,548	81.72	\$13,581,105
SA 1	34,755,647	5.71	948,949
SA 2	16,446,013	2.70	448,715
SA 3	9,986,350	1.64	272,553
SA 4	29,115,274	4.78	794,391
SA 5	7,702,463	1.27	211,062
SA 6	<u>13,240,246</u>	<u>2.18</u>	<u>362,296</u>
Totals	<u>\$608,487,541</u>	<u>100.00</u>	<u>\$16,619,071</u>

Local Government Debt Service

Service Area 1 - Minneapolis - St. Paul

	<u>Treatment Works</u>	<u>Interceptors</u>	<u>Total</u>
Birchwood	\$	\$ 685.00	\$
Dellwood		8,302.80	
Forest Lake Township	3,012.00		
Little Canada		82,356.60	
Mahtomedi		7,913.98	
Oakdale		58,920.00	
Plymouth		11,349.00	
St. Paul		92,231.93	
Shoreview*		42,645.05	
Vadnais Heights		2,734.25	
White Bear Lake		8,067.00	
White Bear Township		6,915.00	
Woodbury		26,175.00	
	<u>\$ 3,012.00</u>	<u>\$348,295.61</u>	<u>\$351,307.61</u>

Service Area 2 - North Suburban

Shoreview*	\$	\$ 26,137.29	
Brooklyn Park		132,214.00	
Circle Pines		2,929.29	
Coon Rapids		54,441.00	
New Brighton		46,818.00	
Spring Lake Park		2,967.00	
	<u>\$ -0-</u>	<u>\$265,506.58</u>	<u>\$265,506.58</u>

\*Located in 2 Service Areas

Service Area 3 - Anoka

	<u>Treatment Works</u>	<u>Interceptors</u>	<u>Total</u>
Anoka	\$37,854.00	\$	\$
Champlin		<u>4,171.63</u>	<u>                    </u>
	<u>\$37,854.00</u>	<u>\$ 4,171.63</u>	<u>\$42,025.63</u>

Service Area 4 - Southwest

Deephaven	\$	\$21,377.17	
Excelsior	10,895.00		
Greenwood		3,692.40	
Long Lake	11,019.00		
Maple Plain	5,285.00		
Medina	4,833.00		
Minnetrista		29,880.96	
Mound	24,023.57	22,791.99	
Orono		2,699.00	
Prior Lake	11,382.12	620.00	
Savage	12,220.00		
Shakopee	21,295.00		
Spring Park	2,535.72	2,436.28	
Tonka Bay	<u>5,974.40</u>	<u>3,360.60</u>	<u>                    </u>
	<u>\$109,462.81</u>	<u>\$86,858.40</u>	<u>\$196,321.21</u>

Service Area 5 - Bloomington-Eagan-Burnsville

Bloomington	\$	\$ 39,144.28	
Burnsville	21,504.00	254,354.00	
Eagan	<u>4,313.86</u>	<u>47,819.00</u>	<u>                    </u>
	<u>\$25,817.86</u>	<u>\$341,317.28</u>	<u>\$367,135.14</u>

Service Area 6 - Southwest

	<u>Treatment Works</u>	<u>Interceptors</u>	<u>Total</u>
Apple Valley	\$ 12,833.08	\$21,850.92	\$
Cottage Grove	39,765.39		
Hastings	44,974.00		
Inver Grove Heights	14,234.00		
Lakeville	5,971.00		
Newport	5,831.00		
Oak Park Heights	15,465.00		
South St. Paul	231,663.50		
Stillwater	47,501.00		
	<u>\$418,237.97</u>	<u>\$21,850.92</u>	<u>\$440,088.89</u>
 Grand Total	 <u>\$594,384.64</u>	 <u>\$1,068,000.42</u>	 <u>\$1,662,385.06</u>

## Summary of Acquisition Costs

Treatment Works \$ 579,985

### 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 \$4,072,088

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 Township	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
Moundsview	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	700		450,745.81	110,148.48	560,894.29
Apple Valley	705		453,964.58	53,478.75	507,443.33
Arden Hills	445		286,529.37	37,239.72	323,769.09
Bayport	185		119,094.17	-	119,094.17
Birchwood	30		19,312.57	2,507.96	21,820.53
Blaine	810		521,558.56	95,048.92	616,607.48
Bloomington	3,060		1,970,358.85	355,431.27	2,325,790.12
Brooklyn Center	1,115		717,962.61	93,308.76	811,271.37
Brooklyn Park	1,440		927,182.11	168,975.53	1,096,157.64
Burnsville	1,330		856,428.97	154,484.61	1,010,913.58
Champlin	120		77,250.27	18,882.58	96,132.85
Chanhausen	280		180,310.25	69,361.79	249,672.04
Chaska	320		206,060.33	-	206,060.33
Circle Pines	90		57,937.71	10,561.16	68,498.87
Columbia Heights	630		405,623.54	52,717.63	458,341.17
Coon Rapids	1,050		676,118.72	123,211.26	799,329.98
Cottage Grove	520		334,810.80	-	334,810.80
Crystal	910		585,993.40	76,149.54	662,142.94
Deephaven	148		95,251.49	36,662.60	131,914.09
Eagan	1,130		727,618.90	131,253.90	858,872.80
Eden Prairie	690		444,308.29	170,928.20	615,236.49
Edina	2,590		1,667,676.06	216,735.48	1,884,411.54
Lake Elmo	1		655.67	83.79	739.46
Empire Township	16		10,311.96	1,088.07	11,400.03
Excelsior	113		72,779.77	27,991.87	100,771.64
Falcon Heights	390	6	254,986.43	33,139.23	288,125.66
Farmington	260		167,375.59	17,680.43	185,056.02
Forest Lake	290		186,747.77	24,269.77	211,017.54
Forest Lake Township	127		81,780.38	10,623.96	92,404.34
Fridley	1,250		804,869.18	120,425.69	925,294.87
Gem Lake	9		5,781.85	754.07	6,535.92
Golden Valley	1,190		766,244.04	99,581.46	865,825.50
Greenwood	23		14,842.06	5,697.83	20,539.89
Andover	90		57,937.71	10,561.16	68,498.87
Hastings	565		363,839.25	-	363,839.25
Hilltop	31		19,908.64	2,591.76	22,500.40

<u>Local Government</u>	<u>Est. Flow (MG)</u>	<u>Lake Overflow Adjustments</u>	<u>Treatment Works</u>	<u>Service Area</u>	<u>Total</u>
Hopkins	745		479,714.66	63,653.86	543,368.52
Hugo	40		25,750.09	3,351.41	29,101.50
Inver Grove Heights	425		273,713.94	28,900.97	302,614.91
Lakeville	530		341,248.32	36,426.42	377,674.74
Landfall	22		14,186.39	1,837.68	16,024.07
Lauderdale	79		50,844.51	6,613.45	57,457.96
Lexington	45		28,968.85	5,280.20	34,249.05
Laketown Township	11		7,093.20	2,724.93	9,818.13
Lilydale	18		11,563.69	1,502.54	13,066.23
Little Canada	280	40	206,068.86	26,779.34	232,848.20
Long Lake	85		54,718.95	21,055.55	75,774.50
Mahtomedi	128		82,436.05	10,713.33	93,149.38
Maple Grove	660		424,995.72	77,446.99	502,442.71
Maple Plain	85		54,718.95	-	54,718.95
Maplewood	1,550	202	1,128,123.49	146,608.53	1,274,732.02
Medicine Lake	12		7,689.27	1,005.43	8,694.70
Medina	73		47,029.68	1,982.39	49,012.07
Mendota Heights	395		254,341.76	33,056.04	287,397.80
Minneapolis	23,400		15,067,320.24	1,958,154.39	17,025,474.63
Minnetonka	1,490		959,429.33	369,104.35	1,328,533.68
Minnetonka Beach	24		15,438.13	5,944.44	21,382.57
Mound	430		276,873.09	106,520.33	383,393.42
Minnetrista	66		42,499.57	16,349.60	58,849.17
Moundsview	435		280,091.85	51,045.23	331,137.08
New Brighton	815		524,777.33	95,635.53	620,412.86
New Hope	920		592,371.31	76,987.40	669,358.71
Newport	112		72,124.10	7,616.17	79,740.27
North Oaks	15		9,656.28	1,251.19	10,907.47
North St. Paul	495	25	334,876.43	43,515.48	378,391.91
Oakdale	570	49	398,547.40	51,802.36	450,349.76
Oak Park Heights	115		74,031.51	7,820.21	81,851.72
Orono	195		125,591.30	48,306.23	173,897.53
Osseo	119		76,594.60	13,963.47	90,558.07
Plymouth	1,740		1,120,427.01	145,607.45	1,266,034.46
Prior Lake	315		202,781.97	78,031.17	280,813.14
Richfield	1,000		643,931.10	83,679.05	727,610.15
Robbinsdale	494		318,061.32	41,339.60	359,400.92
Rosemount	135		86,966.16	9,180.21	96,146.37
Roseville	1,590	39	1,048,916.75	136,314.36	1,185,231.11

<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. Anthony	395		254,341.76	33,056.04	287,397.80
St. Louis Park	2,390		1,538,925.60	200,000.79	1,738,926.39
St. Paul	18,800	(416)	11,837,479.95	1,538,406.01	13,375,885.96
St. Paul Park	130		83,687.80	8,840.38	92,528.18
Savage	175		112,716.25	-	112,716.25
Shakopee	750		482,933.43	185,791.34	668,724.77
Shoreview	690		444,308.29	62,118.59	506,426.88
Shorewood	195		125,531.69	48,306.23	173,837.92
South St. Paul	2,450		1,577,550.74	166,604.83	1,744,155.57
Spring Park	112		72,124.10	27,743.90	99,868.00
Spring Lake Park	198		127,498.71	23,234.10	150,732.81
St. Bonifacius	36		23,187.01	8,918.71	32,105.72
Stillwater	775		499,027.23	-	499,027.23
Stillwater Twp.	1		655.67	-	655.67
Tonka Bay	70		45,062.66	17,340.10	62,402.76
Vadnais Heights	235	18	162,869.33	21,167.57	184,036.90
Victoria	51		32,843.29	12,634.15	45,477.44
Wayzata	270		173,872.72	66,884.83	240,757.55
West St. Paul	900		579,496.27	75,317.29	654,813.56
White Bear Lake	730	37	493,883.26	64,181.06	558,064.32
White Bear Twp.	160		103,059.97	13,388.87	116,448.84
Willernie	16		10,252.36	1,340.56	11,592.92
Woodbury	540		347,745.44	45,188.14	392,933.58
Lino Lakes	25		16,093.81	2,933.78	19,027.59
Waconia	130		83,687.80	32,203.25	115,891.05
Centerville	32		20,623.91	3,755.03	24,378.94
Ramsey	4		2,563.09	629.37	3,192.46
<b>Totals</b>	<b>92,571</b>		<b>59,606,692.96</b>	<b>8,808,669.43</b>	<b>68,415,362.39</b>

## Construction Fund – Revenues & Expenditures

		Total Program
FUND BALANCE - December 31, 1981		<u>\$46,332,157</u>
REVENUES:		
Certified Federal Grants (Schedule 8)	\$22,347,511	
Less:		
Contingency Reserve for Final Audits	<u>450,000</u>	
Net Certified Federal Grants		\$21,897,511
Certified State Grants (Schedule 9)		4,414,307
Anticipated Grants (Schedule 10)		9,931,562
Investment Income (Schedule 11)		3,240,000
Miscellaneous		20,000
Due from Local Governments		234,000
Sale of Fridley Site		<u>700,000</u>
Total Estimated Revenues		\$40,437,380
EXPENDITURES:		
Previously Authorized Projects		
Encumbered Balance (Schedule 12)		12,193,099
Unencumbered Balance (Schedule 12)		98,487,490
Appro. Adjustments (Schedule 12)		<u>11,864,000</u>
Total Previously Authorized Projects		\$122,544,589
Total New Projects (Schedule 13)		2,100,000
Total Estimated Expenditures		124,644,589
Local Fund Applied (expenditures - revenues)		\$84,207,209
ESTIMATED FUND BALANCE		(\$37,875,052)

CERTIFIED FEDERAL GRANTS

Project No.	Grant	Project	Total Grant Receivable	Earned As Of 12/31/81	Balance Due	Estimated Amount 1982	Estimated Amount 1983
74-01(400)	000-01	MWWTP - Sludge Thickening	23,092,239	22,584,512	507,727	77,674	430,053
(401 & 402)	000-02	MWWTP - Sludge Thermal Cond.	26,692,145	26,081,280	610,865	535,865	75,000
(403)	000-04	MWWTP - Digital Control System	6,641,439	6,122,018	519,421	519,421	-0-
(404 & 406)	000-03	MWWTP - Roll Type Presses	10,210,167	9,499,152	711,015	711,015	-0-
(407)	000-05	MWWTP - Sludge Incin. Equip.	7,195,713	6,972,208	223,505	223,505	-0-
(408)	000-06	MWWTP - Sludge Processing	56,653,725	56,652,975	750	750	-0-
71-03	050-02	Lakeville-Farmington	13,684,575	13,454,929	229,646	229,646	-0-
71-09	666-02	Metro Compressors	2,386,535	2,293,396	93,139	74,389	18,750
201	999-01	Facilities Planning Study	4,194,075	3,925,226	268,849	195,400	70,580
201	999-02	Facilities Planning Study	2,692,725	2,496,018	196,707	178,745	17,750
201	999-03	Facilities Planning Study	388,575	226,984	161,591	160,333	1,000
79-79	999-04	Metro Area I/I Analysis	2,655,000	1,222,576	1,432,424	712,500	719,924
72-02	091-01	MWWTP - Compressor Building	10,477,650	10,477,650	-0-	-0-	-0-
76-07	100-01	MWWTP - Retrofit Process Control Step II	1,424,100	1,015,038	409,062	409,062	-0-
77-06	001-01	Seneca Sludge Dewatering (Equipment Procurement)	219,525	-0-	219,525	219,525	-0-
79-06	008-01	Hastings Plant Impr. Step II	376,575	376,575	-0-	-0-	-0-
71-29	093-01	MWWTP - Warehouse - Step III	3,707,475	2,192,894	1,514,581	1,481,521	33,060
72-07	104-01	Seneca Maintenance & Dispatch B Step II	226,875	225,723	1,152	1,152	-0-
79-80	103-01	MWWTP Add'l Second. Treat. Fac. Step II	954,975	716,353	238,622	238,622	-0-
79-80	103-02	MWWTP Add'l Second. Treat. Fac. Step III	15,008,930	-0-	15,008,930	6,093,491	8,915,439
		<b>Totals</b>	<b>\$188,883,018</b>	<b>\$166,535,507</b>	<b>\$23,347,511</b>	<b>\$12,062,616</b>	<b>\$10,281,556</b>

CERTIFIED STATE GRANTS

Project No.	Grant	Project	Total Grant Receivable	Earned As Of 12/31/81	Balance Due	Estimated Amount 1982	Estimated Amount 1983
74-01(400)	000-01	MWTP - Sludge Thickening	\$ 4,618,448	\$ 4,516,902	\$ 101,546	\$ 15,535	\$ 86,011
(401&402)	000-02	MWTP - Sludge Thermal Cond.	5,338,430	5,216,256	122,174	107,174	15,000
(403)	000-04	MWTP - Digital Control System	1,328,288	1,224,403	103,885	103,885	-0-
(404&406)	000-03	MWTP - Roll Type Presses	1,986,837	1,899,830	87,007	87,007	-0-
(407)	000-05	MWTP - Sludge Incin. Equip.	1,439,143	1,394,442	44,701	44,701	-0-
(408)	000-06	MWTP - Sludge Processing	11,330,745	11,330,595	150	150	-0-
71-03							
(410-413)	050-02	Lakeville-Farmington	2,736,915	2,690,986	45,929	20,929	25,000
71-09	666-02	Metro Compressors	477,307	458,679	18,628	14,878	3,750
201	999-01	Facilities Planning Study	838,815	785,045	53,770	39,080	14,116
201	999-02	Facilities Planning Study	538,545	499,204	39,341	35,749	3,550
201	999-03	Facilities Planning Study	77,715	45,397	32,318	32,067	200
79-79	999-04	Metro Area I/I Analysis	531,000	244,515	286,485	142,500	143,985
72-02	091-01	MWTP - Compressor Bldg.	2,095,530	2,095,530	-0-	-0-	-0-
76-07	100-01	MWTP - Retrofit Process Control Step II	284,820	203,008	81,812	81,812	-0-
77-06	001-01	Seneca Sludge Dewatering (Equip. Proc.	43,905	-0-	43,905	43,905	-0-
79-06	008-01	Hastings Plant Impr. - Step II	75,315	75,315	-0-	-0-	-0-
71-29	093-01	MWTP Warehouse - Step III	741,495	438,579	302,916	296,304	6,612
72-07	104-01	Seneca Maintenance & Dispatch Bldg. Step II	45,375	45,145	230	230	-0-
79-80	103-01	MWTP Add'l Secon. Treat. Facil. Step II	190,995	143,271	47,724	47,724	-0-
79-80	103-02	MWTP Add'l Secon. Treat. Facil. Step III	3,001,786	-0-	3,001,786	1,218,699	1,783,087
		Totals	<u>37,721,409</u>	<u>33,307,102</u>	<u>4,414,307</u>	<u>\$ 2,332,329</u>	<u>2,081,311</u>

ANTICIPATED GRANTS  
(Federal & State Combined)

<u>Project</u>	<u>Name</u>	<u>Grant Income</u>
72-07	Seneca Maintenance & Dispatch Bldg. Step III	\$1,561,562
79-06	Hastings Plant Improve. Step III	<u>8,370,000</u>
	Total	<u>\$9,931,562</u>

SUMMARY OF INVESTMENT INCOME

Investment earnings for period January through December, 1982 \$15 million x 12.0%	\$ 1,800,000
Investment earnings for period January through December, 1983 based on average investment balance of \$12 million and yield of 12.0%	1,440,000
	<hr/>
Total	\$ <u>3,240,000</u>

Program No.	Project	Step Approval	Previously Appropriated	Additional Appropriations	Total Appropriations	Expenditures As Of 12/31/81	Encumbered Balance	Unencumbered Balance
71-03	Lakeville-Farmington	III	\$ 19,590,000	\$ -0-	\$ 19,590,000	\$ 19,090,916	\$ 11,010	\$ 488,074
71-06	MWWTP-Pretreatment	III	15,440,115	100,000	15,540,115	15,303,666	5,561	230,888
71-09	MWWTP-Compressors	III	3,415,000	-0-	3,415,000	3,290,814	22,933	101,253
71-29	MWWTP-Warehouse	III	5,310,000	-0-	5,310,000	3,184,638	1,849,696	275,666
71-32	Little Canada-Shoreview	III	4,260,000	-0-	4,260,000	3,703,703	22,802	533,495
72-02	MWWTP-Compressor Bldg.	III	15,540,000	100,000	15,640,000	14,448,640	862,312	329,048
72-07	Maintenance & Dispatch Bldg.	III	350,000	3,000,000	3,350,000	312,925	-0-	3,037,075
74-01	MWWTP-Sludge Disposal	III						
(400)	Sludge Thickening Facilities	III	29,759,196	1,500,000	31,259,196	29,630,630	445	1,628,121
(401)	Sludge Thermal Cond. & Dewatering Equipment	III	17,410,747	100,000	17,510,747	17,202,037	35,380	273,330
(402)	Sludge Cond. & Storage Fac.	III	17,637,680	50,000	17,687,680	17,031,902	20,041	635,737
(403)	Digital Acquisition & Control System	III	9,685,664	500,000	10,185,664	7,787,608	1,361,342	1,036,714
(404)	Roll Type Cont. Presses & Accessories for Sludge Dewatering	III	4,129,880	-0-	4,129,880	3,438,897	420,755	270,228
(406)	Sludge Dewatering Bldg.	III	9,439,333	150,000	9,589,333	8,684,792	317,067	587,474
(407)	Sludge Processing Equipment	III	11,800,066	-0-	11,800,066	9,313,560	193,541	2,292,965
(408)	Sludge Processing Bldg.	III	103,480,000	-0-	103,480,000	79,921,209	2,993,442	20,565,349
74-07	Blue Lake Sludge	II	2,199,078	-0-	2,199,078	2,189,742	-0-	9,336
75-01	Ultimate Disposal Site	I	1,674,798	-0-	1,674,798	1,404,265	5,000	265,533
75-10	Engineering Services - NPDES Permits	I	120,000	-0-	120,000	58,028	-0-	61,972
75-50	Metro Planning	I	1,217,488	450,000	1,667,488	804,483	-0-	863,005
76-05	Metro System Emergency	III	1,540,000	-0-	1,540,000	1,429,314	20,026	90,660
76-07	MWWTP Retrofit Process Control	III	2,650,000	-0-	2,650,000	1,693,907	167,587	788,506
76-13	Environmental Inventory & Asso.	I	749,202	-0-	749,202	485,875	-0-	263,327
76-55	Combined Sewer Study	I	2,718,600	-0-	2,718,600	2,414,823	-0-	303,777
77-05	Beltline Reg./Intcp. Improve.	II	300,000	-0-	300,000	1,533	-0-	298,467
77-06	Seneca Sludge Dewatering	III	1,380,000	-0-	1,380,000	128,764	283,820	967,416
77-07	Anoka Interceptor	III	5,233,291	-0-	5,233,291	1,398,351	3,086,359	748,581
78-01	Future System Configuration	I	524,363	-0-	524,363	473,193	-0-	51,170
78-03	Interim Sludge Disposal	III	1,885,000	-0-	1,885,000	1,742,231	4,052	138,717
79-06	Hastings Plant Improvement	III	713,625	9,300,000	10,013,625	644,078	-0-	9,369,547
79-50	Stipulation Agreement-Metro	I	405,000	-0-	405,000	255,891	-0-	149,109

Program No.	Project	Step Approval	Previously Appropriated	Additional Appropriations	Total Appropriations	Expenditures As of 12/31/81	Encumbered Balance	Unencumbered Balance
79-79	I/I Analysis-Community Grants	III	3,540,000	-0-	3,540,000	1,630,101	-0-	1,909,899
79-80	MWWTP Additional Secondary Treatment Facility	III	54,750,000	(30,000,000)	24,750,000	1,071,863	112,833	23,565,304
81-51	Lake Gervais Interceptor	III	600,000	8,000,000	8,600,000	496	-0-	8,599,504
81-63	Planning Prog. Budg. Systems	II	200,000	-0-	200,000	57,540	-0-	142,460
81-65	Misc. Capital Improvements	III	3,920,000	-0-	3,920,000	505,122	397,095	3,017,783
82-52	CAB Interceptor	III	1,820,000	18,500,000	20,320,000	-0-	-0-	20,320,000
82-53	Lake Ann Interceptor	II	386,000	114,000	500,000	-0-	-0-	500,000
82-54	Interceptor Rehab.	II	100,000	-0-	100,000	-0-	-0-	100,000
82-55	Minneapolis East Intcpt.	II	2,662,000	-0-	2,662,000	-0-	-0-	2,662,000
82-56	MWWTP Screen and Grit Rehab.	II	700,000	-0-	700,000	-0-	-0-	700,000
82-57	MWWTP Primary Treatment Facility Rehab.	II	1,000,000	-0-	1,000,000	-0-	-0-	1,000,000
82-58	MWWTP Secondary Treatment Facility Rehab.	II	900,000	-0-	900,000	-0-	-0-	900,000
82-59	Blue Lake Plant Sludge Thickening Facilities	II	200,000	-0-	200,000	-0-	-0-	200,000
Totals			<u>\$361,336,126</u>	<u>11,864,000</u>	<u>373,200,126</u>	<u>250,735,537</u>	<u>12,193,099</u>	<u>110,271,490</u>

## Previously Funded

### Project 71-03 Empire Plant

Description: This project consists of a new wastewater treatment plant and interceptors. Plants in Lakeville, Farmington and Apple Valley are nearing capacity, and expansion of these facilities is not feasible. The new plant will treat sewage from the three communities which will be conveyed by the Lakeville-Farmington Interceptor and result in the phasing out of the Lakeville and Farmington treatment plants. The authorized funds for this project include planning, detail engineering and construction. The project requires the contractor to manufacture, furnish, install and place in service, a computerized process control system.

Status: The major projects are essentially complete. Will be completed early in 1983.

#### Annual Expenditures and Source of Funds:

	<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12-31-81		13,454,929	2,690,986	2,945,001	19,090,916
During 1982		229,646	20,929	148,509	399,084
During 1983		-0-	25,000	75,000	100,000
<b>Totals</b>		<u>13,684,575</u>	<u>2,736,915</u>	<u>3,168,510</u>	<u>19,590,000</u>

### Project 71-06 MWTP - Pretreatment

Description: Project is essentially complete except for minor modifications relating to hydraulic aspects.

Status: Completion is expected in 1983.

#### Annual Expenditures and Source of Funds:

	<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12-31-81		11,369,972	2,273,994	1,659,700	15,303,666
During 1982		-0-	-0-	96,449	96,449
During 1983		-0-	-0-	140,000	140,000
<b>Totals</b>		<u>11,369,972</u>	<u>2,273,994</u>	<u>1,896,149</u>	<u>15,540,115</u>

### Project 71-09 Metro Compressors

Description: This project consists of providing supplementary aeration compressor capacity as required to accomplish the treatment of the wastewater at the Metro Treatment Plant.

Based upon the successful experience at MWWTP with the large size multi-stage compressors, aeration requirements will be met with two units of 100,000 cubic feet per minute capacity which supplements the 3 existing 60,000 CPM for the secondary treatment facilities.

Status: This project was awarded in the fall of 1976 and will be completed early in 1983.

#### Annual Expenditures and Source of Funds:

	<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12-31-81		2,293,396	458,679	538,739	3,290,814
During 1982		74,389	14,878	9,919	99,186
During 1983		18,750	3,750	2,500	25,000
Totals		<u>2,386,535</u>	<u>477,307</u>	<u>551,158</u>	<u>3,415,000</u>

### Project 71-29 MWWTP Warehouse & Machine Shop

Description: The project will consist of the construction of a central warehouse distribution center and maintenance shop to serve all treatment plants, located at Metropolitan Wastewater Treatment Plant. The facility will be constructed in conjunction with the existing vehicle maintenance garages and warehouse at the north end of the Metro Plant. The eastern portion of the new structure would house the controlled access warehouse with truck dock facilities. An addition to the south of the existing warehouse, as well as the existing warehouse space, will be used for the new maintenance shop. The existing vehicle maintenance garages will be unaffected by the new construction. The warehouse will be provided with shelving, bins, and pallets for storage, a loading and unloading dock at the eastern end of the warehouse, an office for records and inventory control, a freight elevator providing access to the plant tunnel system. The maintenance shop will consist principally of the machine shop, electric shop, weld area, and sand blast areas, including tunnels and an elevator.

Status: This project is designed and construction commenced in 1981, completion is scheduled early in 1983.

#### Annual Expenditures and Source of Funds:

	<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12-31-81		2,192,894	438,579	553,165	3,184,638
During 1982		1,481,521	296,304	197,537	1,975,362
During 1983		33,060	6,612	110,328	150,000
Totals		<u>3,707,475</u>	<u>741,495</u>	<u>861,030</u>	<u>5,310,000</u>

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 was 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 Source of Funds:

	<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to	12-31-81	2,686,493	537,299	479,911	3,703,703
During	1982	-0-	-0-	456,297	456,297
During	1983	-0-	-0-	100,000	100,000
Totals		<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 early in 1983.

Annual Expenditures and Source of Funds:

	<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to	12-31-81	10,477,650	2,095,530	1,875,460	14,448,640
During	1982	-0-	-0-	991,360	991,360
During	1983	-0-	-0-	200,000	200,000
Totals		<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 approximately 140 metering stations and about 55 sewage lift stations spread throughout the six service areas presently comprising the Metropolitan Disposal System.

Project 72-07 Maintenance & Dispatch Building (continued)

Description: (continued) The proposed project consists of a maintenance and dispatch building to be constructed at the Seneca Plant, in order to properly service and maintain the flow metering stations, from a centralized location. The location of the facilities at the Seneca Plant is compatible with the presence of the metering station data collection center. In addition, the Seneca Plant location provides a satisfactory point from which to dispatch service vehicles and personnel to the facilities to be maintained and serviced.

Status: Step II, Plans and Specifications, will be completed in 1982. Construction will commence when federal funds are available.

Annual Expenditures and Source of Funds:

	<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12-31-81		225,723	45,145	42,057	312,925
During 1982		1,152	230	35,693	37,075
During 1983		1,125,000	225,000	150,000	1,500,000
During 1984		<u>176,302</u>	<u>35,260</u>	<u>1,288,438</u>	<u>1,500,000</u>
Totals		<u>1,528,177</u>	<u>305,635</u>	<u>1,516,188</u>	<u>3,350,000</u>

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

Description: This project consist of sixteen circular flotation sludge thickening tanks each 55 ft. 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.

Annual Expenditures and Source of Funds:

	<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12-31-81		22,584,512	4,516,902	2,529,216	29,630,630
During 1982		77,674	15,535	10,357	103,566
During 1983		<u>430,053</u>	<u>86,011</u>	<u>1,008,936</u>	<u>1,525,000</u>
Totals		<u>23,092,239</u>	<u>4,618,448</u>	<u>3,548,509</u>	<u>31,259,196</u>

Project 74-01(401) Sludge Thermal Conditioning & Dewatering Equipment Systems, MWWTP

Description: Equipment includes eight or ten thermal conditioning units, four circular decant tank mechanisms and eight sludge dewatering presses. Project includes all piping, controls and odor control equipment.

Status: Project is essentially completed except for minor improvements needed to provide for additional operation flexibility.

Project 74-01(401) Sludge Thermal Conditioning & Dewatering Equipment Systems, MWWTP  
(continued)

Annual Expenditures and Source of Funds:

	<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12-31-81		13,081,280	2,616,256	1,504,501	17,202,037
During 1982		119,032	23,807	15,871	158,710
During 1983		37,500	7,500	105,000	150,000
Totals		<u>13,237,812</u>	<u>2,647,563</u>	<u>1,625,372</u>	<u>17,510,747</u>

Project 74-01 (402) Sludge Conditioning & Storage Facilities, MWWTP

Description: This project consists of eight concrete storage tanks 135 ft. by 30 ft.; a 275 ft. by 103 ft. three story building for conditioning equipment and four circular 60 ft. diameter decant tanks.

Status: Project is essentially complete except for minor modifications required for operational flexibility.

Annual Expenditures and Source of Funds:

	<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12-31-81		13,000,000	2,600,000	1,431,902	17,031,902
During 1982		416,833	83,367	55,578	555,778
During 1983		37,500	7,500	55,000	100,000
Totals		<u>13,454,333</u>	<u>2,690,867</u>	<u>1,542,480</u>	<u>17,687,680</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.

Status: Awarded in February 1978; estimated completion in 1983.

Annual Expenditures and Source of Funds:

	<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12-31-81		6,122,018	1,224,403	441,187	7,787,608
During 1982		519,421	103,885	1,183,302	1,806,608
During 1983		-0-	-0-	591,448	591,448
Totals		<u>6,641,439</u>	<u>1,328,288</u>	<u>2,215,937</u>	<u>10,185,664</u>

Project 74-01 (404) Roll Type Continuous Presses & Accessories for Primary Sludge

Description: Equipment consisting of four twin roll variable nip continuous discharge sludge presses. Units would replace four existing vacuum filters to increase capacity.

Status: Contract awarded in 1977; estimate completion in spring of 1983; will be in operation upon completion and coordination with Project 74-01 (406).

Annual Expenditures and Source of Funds:

	<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12-31-81		2,579,173	515,834	343,890	3,438,897
During 1982		443,237	57,007	90,739	590,983
During 1983		<u>-0-</u>	<u>-0-</u>	<u>100,000</u>	<u>100,000</u>
Totals		<u>3,022,410</u>	<u>572,841</u>	<u>534,629</u>	<u>4,129,880</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 Source of Funds:

	<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12-31-81		6,919,979	1,383,996	380,817	8,684,792
During 1982		267,778	30,000	356,763	654,541
During 1983		<u>-0-</u>	<u>-0-</u>	<u>250,000</u>	<u>250,000</u>
Totals		<u>7,187,757</u>	<u>1,413,996</u>	<u>987,580</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 awarded July of 1978. Project will be completed in 1983.

Annual Expenditures and Source of Funds:

	<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12-31-81		6,972,208	1,394,442	946,910	9,313,560
During 1982		223,505	44,701	1,962,962	2,231,168
During 1983		<u>-0-</u>	<u>-0-</u>	<u>255,338</u>	<u>255,338</u>
Totals		<u>7,195,713</u>	<u>1,439,143</u>	<u>3,165,210</u>	<u>11,800,066</u>

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 awarded December 1977. Estimated completion and operational date is 1983.

Annual Expenditures and Source of Funds:

<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12-31-81	56,652,975	11,330,595	11,937,639	79,921,209
During 1982	750	150	16,946,677	16,947,577
During 1983	-0-	-0-	6,611,214	6,611,214
	<u>56,653,725</u>	<u>11,330,745</u>	<u>35,495,530</u>	<u>103,480,000</u>

Project 74-07 Blue Lake Sludge

Description: The project consists of on-site solids processing facilities and an ultimate disposal site for the existing Blue Lake Wastewater Treatment Plant. On-site processing facilities include gravity thickeners, anaerobic digester, dewatering units, waste liquor treatment system, odor control system, and related support structures.

Status: Federal funding has not been secured yet, in order to update the Step II design.

Annual Expenditures and Source of Funds:

<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12-31-81	-0-	-0-	2,189,742	2,189,742
During 1982	-0-	-0-	6,336	6,336
During 1983	-0-	-0-	3,000	3,000
Totals	<u>-0-</u>	<u>-0-</u>	<u>2,199,078</u>	<u>2,199,078</u>

Project 75-01 Residual Solids Management

Description: The objective of the study is to develop a technically, economically, and environmentally acceptable system for reuse or disposal of the residual solids (ash, grit, screenings, and sludge) from all of the Commission's wastewater treatment plants. Immediate ash and sludge disposal needs will be analyzed. Alternatives for a long-range system will be analyzed, including solids processing, transport, and refuse/disposal.

Project 75-01 Residual Solids Management (continued)

Status: Initiated study will continue into 1983.

Annual Expenditures and Source of Funds:

	<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12-31-81		1,053,199	210,640	140,426	1,404,265
During 1982		165,400	33,080	22,053	220,533
During 1983		<u>37,500</u>	<u>7,500</u>	<u>5,000</u>	<u>50,000</u>
Totals		<u>1,256,099</u>	<u>251,220</u>	<u>167,479</u>	<u>1,674,798</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 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.

Status: Each of the NPDES Permits will be revised periodically.

Annual Expenditures and Source of Funds:

	<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12-31-81		58,028	58,028
During 1982		41,972	41,972
During 1983		<u>20,000</u>	<u>20,000</u>
Totals		<u>120,000</u>	<u>120,000</u>

Project 75-50 Metro Planning

Description: The Metropolitan Council reviews 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 Source of Funds:

	<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12-31-81		804,483	804,483
During 1982		413,005	413,005
During 1983		<u>450,000</u>	<u>450,000</u>
Totals		<u>1,667,488</u>	<u>1,667,488</u>

Project 76-05 Metro System Emergency & Power Factor Correction

Description: The project provides for the purchase of emergency generating equipment for the smaller plants and lift stations, along with the necessary switch gear and telemetry. Also provides for the installation of capacitors to improve the power factor.

Status: The project is essentially done and will be completed during 1983.

Annual Expenditures and Source of Funds:

	<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12-31-81		1,429,314	1,429,314
During	1982	70,686	70,686
During	1983	40,000	40,000
Totals		<u>1,540,000</u>	<u>1,540,000</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 limited Step III work is currently in progress.

Annual Expenditures and Source of Funds:

	<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12-31-81		1,015,038	203,008	475,861	1,693,907
During	1982	409,062	81,812	215,219	706,093
During	1983	-0-	-0-	250,000	250,000
Total		<u>1,424,100</u>	<u>284,820</u>	<u>941,080</u>	<u>2,650,000</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.

Project 76-13 Environmental Program (continued)

Status: The study will be completed in 1983.

Annual Expenditures and Source of Funds:

	<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12-31-81		364,406	72,881	48,588	485,875
During 1982		143,037	28,606	66,684	238,327
During 1983		<u>-0-</u>	<u>-0-</u>	<u>25,000</u>	<u>25,000</u>
Totals		<u>507,443</u>	<u>101,487</u>	<u>140,272</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: To be completed in the spring of 1983.

Annual Expenditures and Source of Funds:

	<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12-31-81		1,811,117	362,223	241,483	2,414,823
During 1982		190,333	38,067	25,377	253,777
During 1983		<u>37,500</u>	<u>7,500</u>	<u>5,000</u>	<u>50,000</u>
Totals		<u>2,038,950</u>	<u>407,790</u>	<u>271,860</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 will be completed in 1983.

Annual Expenditures and Source of Funds:

	<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12-31-81		1,533	1,533
During 1982		75,000	75,000
During 1983		<u>223,467</u>	<u>223,467</u>
		<u>300,000</u>	<u>300,000</u>

### Project 77-06 Seneca Sludge Dewatering

Description: The dewatering improvement will consist of a new belt press. In addition to the belt press, there will also be modifications to the sludge feed system, chemical conditioning feed system, chemical conditioning tank, chemical storage facilities, dewatered sludge conveyance system, structural modifications and miscellaneous piping.

Status: The sludge dewatering equipment contract has been awarded for a belt filter press for \$280,000. Installation will be completed in 1983.

#### Annual Expenditures and Source of Funds:

	<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12-31-81		-0-	-0-	128,764	128,764
During	1982	219,525	43,905	336,570	600,000
During	1983	-0-	-0-	651,236	651,236
Totals		<u>219,525</u>	<u>43,905</u>	<u>1,116,570</u>	<u>1,380,000</u>

### Project 77-07 Anoka Interceptor

Description: The upper segment (Anoka Interceptor) to alleviate a shortage of sewer capacity in the west side where service cannot be provided for development in an industrial area. The City of Anoka has documented their problems on the west side through submission of a report on their system.

Status: The design will be finalized during 1980. Construction will be completed in 1983.

#### Annual Expenditures and Source of Funds:

	<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12-31-81		1,398,351	1,398,351
During	1982	3,000,000	3,000,000
During	1983	834,940	834,940
Totals		<u>5,233,291</u>	<u>5,233,291</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.

The program consists of two parts:

1. An analysis of the cost estimates and environmental impediments resulting from financial and environmental study outputs attributable to seven particular study areas, e.g., "Southwest Suburban Area Study, 76-26".

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

2. The second part of this program is that of coordinating and supplementing the work assigned to and within the capability of the "208" planning agency in conformance with federal guidelines.

Status: Studies were initiated in 1978 and will be completed in 1983.

Annual Expenditures and Source of Funds:

	<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to	12-31-81	354,895	70,979	47,319	473,193
During	1982	38,377	7,676	5,117	51,170
During	1983	<u>15,000</u>	<u>3,000</u>	<u>2,000</u>	<u>20,000</u>
Totals		<u>408,272</u>	<u>81,655</u>	<u>54,436</u>	<u>544,363</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 plans and specifications will be complete during 1981 and construction initiated in late 1981 and completed in 1983.

Annual Expenditures and Source of Funds:

	<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to	12-31-81	504,525	100,905	1,136,801	1,742,231
During	1982	-0-	-0-	40,000	40,000
During	1983	<u>-0-</u>	<u>-0-</u>	<u>102,769</u>	<u>120,769</u>
Totals		<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: Engineering Design Services for the design of wastewater treatment facilities at the existing Hastings Plant site in accordance with the Hastings Service Area Segmented Facilities Plan as prepared by Henningson, Durham & Richardson and dated May, 1979.

Status: Plans and specs are essentially completed and construction will start when federal funds are available.

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

Annual Expenditures and Source of Funds:

	<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12-31-81		376,575	75,315	192,188	644,078
During	1982	-0-	-0-	69,547	69,547
During	1983	3,487,500	697,500	465,000	4,650,000
During	1984	3,487,500	697,500	465,000	4,650,000
Totals		<u>7,351,575</u>	<u>1,470,315</u>	<u>1,191,735</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 1983.

Annual Expenditures and Source of Funds:

	<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12-31-81		255,891	255,891
During	1982	109,109	109,109
During	1983	40,000	40,000
Totals		<u>405,000</u>	<u>405,000</u>

Project 79-79 I/I Analysis - Community Grants

Description: Infiltration/Inflow grants that will pass through the Commission. 30 communities are eligible for these grants and they will fund the local share.

Status: These various projects will be completed late in 1983.

Annual Expenditures and Source of Funds:

	<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Govn.</u>	<u>Total</u>
Prior to 12-31-81		1,222,576	244,515	163,010	1,630,101
During	1982	712,500	142,500	95,000	950,000
During	1983	719,924	143,985	95,990	959,899
Totals		<u>2,655,000</u>	<u>531,000</u>	<u>354,000</u>	<u>3,540,000</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: The plans and specs have been completed in 1981, construction will start late in 1982.

#### Annual Expenditures and Source of Funds:

<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12-31-81	716,353	143,271	212,239	1,071,863
During 1982	6,332,113	1,266,423	844,282	8,442,818
During 1983	8,676,817	1,735,363	1,587,820	12,000,000
During 1984	238,622	47,724	2,948,973	3,235,319
Totals	<u>15,963,905</u>	<u>3,192,781</u>	<u>5,593,314</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: It is proposed to initiate plans and specifications in 1982 which will be completed during 1983.

#### Annual Expenditures and Source of Funds:

<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12-31-81	496	496
During 1982	550,000	550,000
During 1983	1,315,617	1,315,617
During 1984	6,733,887	6,733,887
Totals	<u>8,600,000</u>	<u>8,600,000</u>

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

Description: The project will continue evaluation of Facility Plans to develop draft priority parameters; prepare the development program; coordination and interfacing with the MPCA, Metropolitan Council and U.S. EPA on regulatory matters, including those legislated under Minnesota Statutes (e.g. Waste Management Act). In addition, the project will provide updated information on socio-economic factors as well as on the Commission's treatment and conveyance systems as a basis to update previously completed plans.

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

Status: The project will continue indefinitely.

Annual Expenditures and Source of Funds:

	<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12-31-81		57,540	57,540
During	1982	60,000	60,000
During	1983	<u>82,460</u>	<u>82,460</u>
Totals		<u>200,000</u>	<u>200,000</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 phases and provides for total project costs.

<u>Project</u>	<u>Project Cost</u>
Admininstration - General investigations of need for improvements, preliminary engineering and small projects.	\$ 200,000.00
MWWTP Trip Protective Device Coordination - Provides for bringing all protective devices up to current codes and for proper overall settings in the systems.	\$ 200,000.00
Repairs to Interceptor SP-224 St. Paul - Provides for improvements to the invert and the joints of the badly eroded interceptor.	\$ 390,000.00
MWWTP Ash Basin #4 - Consists of the construction of new 100,000 cubic yard ash basin.	\$ 500,000.00
Lake Virginia, Shutz Lake and Wayzata Lift Station Odor Control - Consists of odor control improvements to lift stations.	\$ 100,000.00
Remodel of MWWTP Screen and Grit Building Offices - Provides training rooms, locker rooms and offices for plant personnel.	\$ 250,000.00
Demolition of Orono and Long Lake WWTPs - Provides for the demolition of the two plants and fencing of areas around the lift stations.	\$ 40,000.00
Mahtomedi Interceptor Improvements - Provides for a new lift station and 1500 feet of interceptor.	\$ 700,000.00
Metro Plant Scum Incinerator Scrubber - Consists of installation of a scrubber to meet air quality requirements.	\$ 350,000.00
Hastings WWTP Interim Aeration Improvements - Consists of the installation of a compressor and appurtenances.	\$ 8,000.00

Project 81-65 Miscellaneous Capital Improvements (continued)

<u>Project</u>	<u>Project Cost</u>
Shoreview Interceptor Improvements - Replacement of about 300 feet of inadequate interceptor.	\$ 100,000.00
Chlorine Leak Alarm System - Provides for installation of alarms.	\$ 7,000.00
Champlin Lift Station - New pump and appurtenances.	\$ 100,000.00
Chaska Plant Interim Improvements - Consists of heating system, sludge loadout, power factor and outfall improvements.	\$ 48,000.00
Rosemount Plant Interim Improvements - Consists of H.V.A.C., piping and miscellaneous improvements.	\$ 50,000.00
<u>Metro Plant Miscellaneous Improvements:</u>	
<u>Building and Grounds</u> - Consists of quality sampling, lighting, alarm, electrical and mechanical system improvements.	\$ 100,000.00
Sludge Presses and Filters - Consists of conveyor, H.V.A.C. and lighting improvements.	\$ 10,000.00
Sludge Incinerator System - Consists of improvements to the sludge loadout, conveyors, floor drains, scrubbers and odor control in F&I Nos. 1 and 2.	\$ 10,000.00
Aeration and Final Tanks - Consists of improvements to the chlorination system, mixed liquor measurement and return activated sludge systems.	\$ 20,000.00
Sludge Thickeners - Consists of improvements to the thickener units, odor control system, tank drain systems, equipment controls and instrumentation.	\$ 10,000.00
Return Liquor Treatment Facilities - Consists of equipment improvements.	\$ 100,000.00
Heat Treatment and Sludge Storage - Consists of a high pressure pump and accessories.	\$ 200,000.00
Pretreatment Facilities - Consists of improvements to the flow metering, grit removal, bar screens and odor control systems.	\$ 15,000.00
MWTP Odor Control Improvements - Provides a system to incinerate the odors in F&I 1.	\$ 20,000.00
MWTP Air Release Improvements for Meters - Manholes to release air and improve the operation of the meters.	\$ 10,000.00
Medina Plant Interim Improvements - Consists of Study for new improvements, Step I only.	\$ 5,000.00
St. Paul Lake Overflow Improvements - Consists of the installation of equipment and modifications to meter the flows from four lakes.	\$ 7,000.00

Project 81-65 Miscellaneous Capital Improvements (continued)

<u>Project</u>	<u>Project Cost</u>
Cottage Grove Plant Improvements - Consists of improvements to the secondary digester.	\$ 100,000.00
Seneca Plant Loadout Facilities - Provides for sludge loadout.	\$ 45,000.00
MWWTP Scum Incineration Feed System - Provides improvements to feed system for the scum incinerator and new F&I 2 incinerator.	\$ 100,000.00
Bayport Hydrosieves - Consists of new pretreatment units.	\$ 125,000.00

Status: All projects will be completed in 1983.

Annual Expenditures and Source of Funds:

<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12-31-81	505,122	505,122
During 1982	1,750,000	1,750,000
During 1983	1,664,878	1,664,878
Totals	<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: Plans and specs are being prepared, and will be completed in 1983. Construction will commence in 1983.

Annual Expenditures and Source of Funds:

<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12-31-81	-0-	-0-
During 1982	950,000	950,000
During 1983	10,000,000	10,000,000
During 1984	9,570,000	9,570,000
Totals	<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. An alternative alignment on the northerly edge of Chanhassen will be evaluated as part of the design.

Project 82-53 Lake Ann Interceptor (continued)

Status: Plans and specs are being prepared and will be completed in 1983.

Annual Expenditures and Source of Funds:

	<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12-31-81		-0-	-0-
During	1982	100,000	100,000
During	1983	400,000	400,000
Totals		<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 Portland and Washington regulators, Crystal Lift Station, Lakeville Lift Station, Coon Rapids Lift Station, Lino Lakes Odor Control, Forcemain Air Relief Valves, St. Louis Park Lift Station and other similar interceptor rehabilitation.

Status: Project will be completed in 1983.

Annual Expenditures and Source of Funds:

	<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12-31-81		-0-	-0-
During	1982	50,000	50,000
During	1983	50,000	50,000
Totals		<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 basis overall design of the project and the detail design for the initial phase.

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

Annual Expenditures and Source of Funds:

	<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12-31-81		-0-	-0-	-0-	-0-
During	1982	-0-	-0-	800,000	800,000
During	1983	-0-	-0-	1,862,000	1,862,000
During	1984	-0-	-0-	-0-	-0-
Totals		<u>-0-</u>	<u>-0-</u>	<u>2,662,000</u>	<u>2,662,000</u>

Project 82-56 MWWTP Screen and Grit Facility Rehabilitation

Description: The MWWTP Screen and Grit Rehabilitation includes major improvements to the existing west battery facilities (minor improvements to the east 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 specs will be completed in 1983.

Annual Expenditures and Source of Funds:

<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
During 1982	200,000	200,000
During 1983	<u>500,000</u>	<u>500,000</u>
Totals	<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 older 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 specs will be completed in 1983.

Annual Expenditures and Source of Funds:

<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
During 1982	250,000	250,000
During 1983	<u>750,000</u>	<u>750,000</u>
Totals	<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 to plant process systems.

Status: Plans and specs will be completed in 1983.

Project 82-58 MWWTP Secondary Treatment Facility Rehabilitation (continued)

Annual Expenditures and Source of Funds:

<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
During 1982	225,000	225,000
During 1983	<u>675,000</u>	<u>675,000</u>
Totals	<u>900,000</u>	<u>900,000</u>

Project 82-59 Blue Lake WWTP Sludge Thickening Facilities

Description: The projects will provide for either additional primary settling tanks or 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: Plans and specs will be completed in 1983.

Annual Expenditures and Source of Funds:

<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
During 1982	50,000	50,000
During 1983	<u>150,000</u>	<u>150,000</u>
Totals	<u>200,000</u>	<u>200,000</u>

SOURCE OF AUTHORIZATION FOR PROJECTS

Project 71-03 Lakeville-Farmington T.P. & Intcp.

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

Project 71-06 MWWTP - Pre-treatment

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

Project 71-09 MWWTP - Compressors

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

Project 71-29 MWWTP - Warehouse

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

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 system improvement project.

Project 72-07 Maint. & Dispatch Bldg.

Source of Authorization: Included in the Waste Management Policy Plan as a project to be constructed during the period from 1977-1980.

Project 74-01 MWWTP-Sludge Disposal

- (400) Sludge Thickening Facilities
- (401) Sludge Thermal Cond. & Dewatering Equip.
- (402) Sludge Cond. & Storage Facilities
- (403) Digital Acquisition & Control System
- (404) Roll Type Cont. Pressed & Access. for Sludge Dewatering
- (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 74-07 Blue Lake Sludge

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 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 requirements of M.R.A.

Project 76-05 Metro System Emergency

Source of Authorization: Included in previous capital budget prior 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 study.

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 77-06 Seneca Sludge Dewatering

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

Project 77-07 Anoka Interceptor

Source of Authorization: Included in the Development Program for years 1977-1981

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 - 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 the 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 WWTP Screen and Grit Rehabilitation

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

Project 82-57 WWTP Primary Settling Tank Rehabilitation

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

Project 82-58 WWTP Secondary Treatment Facility Rehabilitation

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

Project 82-59 Blue Lake WWTP Sludge Thickening Facilities

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

SCHEDULE OF  
PROJECTS COMPLETED OR TO BE COMPLETED IN 1982

<u>Project Number</u>	<u>Name of Project</u>
71-08	MWWTP - Aeration and Final Tanks
72-04	Cottage Grove Expansion
73-02	MWWTP - Sludge Disposal - Step II
74-01 (409)	MWWTP - Sludge Disposal - Computer
74-10	Metro Disposal System Improvements
76-17	Air Quality Monitoring
77-01	Riverview Siphon System
77-03	EPA 208 Match
78-02	F & I #1 Scrubbers
78-04	Bloomington Interceptor Relocation
79-07	MWWTP Pilot Plant Studies
79-08	Minneapolis East & West Met.
79-10	201 Facilities Planning
81-52	Seneca-Sludge Handling Facility
81-64	Meter Station Improvements
82-51	Battle Creek - Special Assessment

REQUEST FOR ADDITIONAL FUNDING

Project 71-06, MWWTP Pretreatment

Reason for Increase: The increase of \$100,000 is to provide for additional minor improvements for more effective operations.

Previously Appropriated	\$15,440,115
Actual Expenditures 5/31/82	<u>15,294,602</u>
Balance	\$ 145,513
Additional Appropriation Requested	<u>\$ 100,000</u>

Project 74-01 (400), Sludge Thickening Facilities

Reason for Increase: The increase of \$1,500,000 is to provide for additional minor improvements for more effective operations.

Previously Appropriated	\$29,759,196
Actual Expenditures 5/31/82	<u>29,649,085</u>
Balance	\$ 110,111
Additional Appropriation Requested	<u>\$ 1,500,000</u>

Project 74-01 (401), Sludge Thermal Conditioning & Dewatering Equipment

Reason for Increase: The increase of \$100,000 is to provide for additional minor improvements for more effective operations.

Previously Appropriated	\$17,410,747
Actual Expenditures 5/31/82	<u>16,293,137</u>
Balance	\$ 1,117,610
Additional Appropriation Requested	<u>\$ 100,000</u>

Project 74-01 (402), Sludge Conditioning & Storage Facilities

Reason for Increase: The increase of \$50,000 is to provide for additional minor improvements for more effective operations.

Previously Appropriated	\$17,637,680
Actual Expenditures 5/31/82	<u>17,014,853</u>
Balance	\$ 622,827
Additional Appropriation Requested	<u>\$ 50,000</u>

Project 74-01 (403), Digital Acquisition & Control System

Reason for Increase: The increase of \$500,000 is needed to provide for Commission personnel during the late phases of construction for interfacing with other on-going projects and for start-up.

Previously Appropriated	\$ 9,685,664
Actual Expenditures 5/31/82	<u>7,924,471</u>
Balance	\$ 1,761,193
Additional Appropriation Requested	<u>\$ 500,000</u>

Project 74-01 (406), Sludge Dewatering Building

Reason for Increase: The increase of \$150,000 is to provide for additional minor improvements for more effective operations.

Previously Appropriated	\$ 9,439,333
Actual Expenditures 5/31/82	<u>8,941,870</u>
Balance	\$ 497,463
Additional Appropriation Requested	<u>\$ 150,000</u>

Project 75-50, Metro Planning

Reason for Increase: The increase of \$450,000 is based on the Metropolitan Council's estimate of costs for 1983.

Previously Appropriated	\$ 1,217,488
Actual Expenditures 5/31/82	<u>890,430</u>
Balance	\$ 327,058
Additional Appropriation Requested	<u>\$ 450,000</u>

Project 81-51, Lake Gervais Interceptor

Reason for Increase: The increase of \$8,000,000 is due to Step III construction.

Previously Appropriated	\$ 600,000
Actual Expenditures 5/31/82	<u>1,985</u>
Balance	\$ 598,015
Additional Appropriation Requested	<u>\$ 8,000,000</u>

Project 82-52, CAB Interceptor

Reason for Increase: The increase of \$18,500,000 is due to Step III construction.

Previously Appropriated	\$ 1,820,000
Actual Expenditures 5/31/82	<u>-0-</u>
Balance	\$ 1,820,000
Additional Appropriation Requested	<u>\$18,500,000</u>

Project 82-53, Lake Ann Interceptor

Reason for Increase: The increase of \$114,000 is to provide additional funds to evaluate additional interceptor routes prior to awarding of Step II services.

Previously Appropriated	\$ 386,000
Actual Expenditures 5/31/82	<u>-0-</u>
Balance	\$ 386,000
Additional Appropriation Requested	<u>\$ 114,000</u>

Project 72-02, MWWTP Compressor Building

Reason for Increase: The increase of \$100,000 is to provide for additional minor improvements for more effective operations.

Previously Appropriated	\$15,540,000
Actual Expenditures 5/31/82	<u>14,863,769</u>
Balance	\$ \$676,231
Additional Appropriation Requested	<u>\$ 100,000</u>

Project 72-07, Maintenance & Dispatch Building

Reason for Increase: The increase of \$3,000,000 is due to Step III construction.

Previously Appropriated	\$ 350,000
Actual Expenditures 5/31/82	<u>312,961</u>
Balance	\$ 37,039
Additional Appropriation Requested	<u>\$ 3,000,000</u>

Project 79-06, Hastings Plant Improvement

Reason for Increase: The increase of \$9,300,000 is due to Step III construction.

Previously Appropriated	\$ 713,625
Actual Expenditures 5/31/82	<u>660,521</u>
Balance	\$ 53,104
Additional Appropriation Requested	<u>\$ 9,300,000</u>

Project 79-80, MWWTP Additional Secondary Facility

Reason for Decrease: The decrease of \$30,000,000 is due to a substantially lower than anticipated construction bid.

Previously Appropriated	\$54,750,000
Actual Expenditures 5/31/82	<u>1,076,274</u>
Balance	\$53,673,726
Decrease in Appropriation	<u>\$30,000,000</u>

SUMMARY OF NEW PROJECTS - REQUEST FOR FUNDING

<u>Project</u>	<u>Project Name</u>	<u>Step</u>	<u>Estimated Costs</u>
83-51	Chaska Plant Improvements	II	\$ 200,000.00
83-52	Maple Plain Plant Improvements	II	100,000.00
83-53	Minnesota River Study	I	100,000.00
83-54	MWWTP Peak Power Demand Study	I	25,000.00
83-55	MWWTP Fire Detection and Alarm System Study	I	25,000.00
83-56	Lift Station Electrical System Rehabilitation	I	25,000.00
83-57	Metering and Lift Station Alarm System Improvements	I	25,000.00
83-58	MWWTP Disinfection Study	I	100,000.00
83-65	Miscellaneous Capital Improvements	I, II & III	<u>1,500,000.00</u>
	Total		<u>\$2,100,000.00</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.

Resources Required:

Step II Detail, Engineering \$200,000

Annual Expenditures:

During 1983 200,000

Total \$200,000

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.

Resources Required:

Step II Detail, Engineering \$100,000

Annual Expenditures:

During 1983 100,000

Total \$100,000

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.

Resources Required:

Step I Planning \$100,000

Annual Expenditures:

During 1983 100,000

Total \$100,000

Project 83-54 MWWTP Peak Power Demand Study

Description: This study consists of an analysis 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.

Resources Required:

Step I, Planning \$25,000

Annual Expenditures:

During 1983 25,000

Total \$25,000

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.

Resources Required:

Step I, Planning \$25,000

Annual Expenditures:

During 1983 25,000

Total \$25,000

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.

Resources Required:

Step I, Planning \$25,000

Annual Expenditures:

During 1983 25,000

Total \$25,000

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.

Resources Required:

Step I, Planning \$25,000

Annual Expenditures:

During 1983 25,000

Total \$25,000

Project 83-58 MWWTP Disinfection Study

Description: The new NPDES permit for the MWWTP Plant will require compliance with stringent effluent chorine residual standards by June 1, 1986. The previous facility plant 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.

Resources Required:

Step I, Planning \$100,000

Annual Expenditures:

During 1983 100,000

Total \$100,000

Project 83-65 Miscellaneous Capital Improvements

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

<u>Project</u>	<u>Project Cost</u>
Administration - General investigations of need for improvements, preliminary engineering and small projects.	\$ 50,000.00
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.	\$ 25,000.00

Project 83-65 Miscellaneous Capital Investments (continued)

Blue Lake Plant Improvements - Consists of piping modifications to allow more process flexibility.	\$ 10,000.00
Chaska Plant Improvements - Consist of power factor and electrical system improvements.	\$ 30,000.00
Cottage Grove Plant - Consists of primary digester diaphragm replacement, grit removal facilities, telescoping valve improvements, gas scrubber and power factor correction improvements.	\$ 75,000.00
Empire Plant - Consists of digester access opening, digester liquid level sensors, concentrate 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 platform.	\$100,000.00
Hastings - Consists of an interim Chemical Feed System.	\$ 10,000.00
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.	\$100,000.00
South St. Paul Plant - Consist of tank piping modifications, scum removal system improvements, bar-screen improvements and modifications to facilitate the phase-out of the plant.	\$100,000.00
Stillwater Plant - Consists of odor control for air lift pump area, chlorination building and equipment relocation.	\$ 25,000.00
Lift Stations - Consists of a project to rehabilitate the electrical systems in numerous lift stations and to update the metering and alarm system computer.	\$100,000.00
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.	\$225,000.00
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.	\$ 50,000.00

Project 83-65 Miscellaneous Capital Improvements (continued)

Metro Plant Building and Grounds - Consists of storm water runoff handling improvements, truck washing facility, heating and ventilation improvements in plant tunnel system, additional lockers and showers for operating personnel, tunnel exit light system, plant alarm system and laboratory and screen/grit building remodeling.	\$ 400,000.00
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.	80,000.00
Metro Plant Incineration Facilities - Consists of air duct modifications No. 5 fuel oil storage tank and boiler softener salt system modifications and replacement of obsolete circuit breakers and transformers.	<u>120,000.00</u>
Total	\$1,500,000.00
<u>Resources Required:</u>	
Step III Construction	1,500,000.00
<u>Annual Expenditures:</u>	
During 1983	750,000.00
During 1984	<u>750,000.00</u>
Total	\$1,500,000.00

RESERVE PROJECTS (1)

<u>PROJECT NO.</u>	<u>PROJECT (2)</u>	<u>STEP</u>	<u>ESTIMATED COSTS</u>
76-07	MWWTP Retrofit Process Control	III	\$13,600,000
77-05	Beltline Regulator & Interceptor Impr.	III	7,800,000
82-55	Minneapolis East Interceptor (Part)	III	<u>22,000,000</u>
TOTAL			<u>\$43,400,000 (3)</u>

- (1) Projects which are proposed to be initiated in 1983 if Federal and State construction grant funds become available.
- (2) Descriptions are included in Schedule 12.
- (3) Funds for the 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 (75%) is to be funded by Federal grants and 15% by State grants.

## Status of Authorized Personnel

<u>Department/Plant</u>	<u>Proposed 1983</u>	<u>Actual 1982</u>
Administration	17	16
Engineering	34	37
Quality Control	80	80
Construction		
Central Office	3	3
Field Office	64	64
Operations		
Central Office	15	14
Empire	27	27
Metro Plant	463	427
Seneca Plant	48	47
Blue Lake Plant	31	31
Anoka	3	3
Maple Plant	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	56	54
Business Services	14	14
Comptroller	16	15
Total	<u>915</u>	<u>876</u>

**METROPOLITAN WASTE CONTROL COMMISSION**

**CHAIRMAN**  
Salisbury Adams

**CHIEF ADMINISTRATOR**  
George W. Lusher

**DEPUTY CHIEF ADMINISTRATOR**  
Anthony C. Gnerre

**PUBLIC INFORMATION**

**AFFIRMATIVE ACTION**  
J. B. Cruz

**SAFETY**  
L. Breitbarth

**ENGINEERING**  
B. J. Harrington  
Director

**CONSTRUCTION**  
R. O. Folland  
Director

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

**OPERATIONS**  
W. A. Blain  
Director

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

**COMPTROLLER**  
R. L. Berg  
Director

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

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

Lab Services  
River Monitor  
Indust. Waste  
Res. & Develop.  
Lake Survey  
Special Services  
Sampling  
Process R. & D.

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

Purchasing  
Personnel  
Employee Servcs.  
Career Develop.  
Labor Relations  
Inventory

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



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JUN 15 1982

AUG 15 1982

SEP 30 1984

NOV 30 1984

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FEB 15 1982

FEB 28 1982

MAR 15 1982

MAR 31 1982

APR 15 1982

APR 15 1982

APR 30 1982

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