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# 82 Budget Objectives and Programs

METROPOLITAN  
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COMMISSION  
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1982

Pursuant to Mn Stat 473.161

rec 1/15/82

METROPOLITAN COUNCIL  
Suite 300 Metro Square Building, St. Paul, Minnesota 55101

RESOLUTION NO. 81- 186

RESOLUTION APPROVING, SUBJECT TO CONDITIONS,  
THE 1982 CAPITAL IMPROVEMENT BUDGET  
OF THE METROPOLITAN WASTE CONTROL COMMISSION

- WHEREAS, the Metropolitan Waste Control Commission has submitted its proposed 1982 Capital Budget to the Metropolitan Council for review by the Council in accordance with the Minnesota Statutes, Sec. 473.163; and
- WHEREAS, said Section authorizes and requires that the Metropolitan Council approve or disapprove the Capital Improvement Budget of the Metropolitan Waste Control Commission in whole or in part; and
- WHEREAS, the Metropolitan Council has reviewed the proposed 1982 Capital Improvement Budget of the Metropolitan Waste Control Commission in relation to areawide fiscal capacity, functional system objectives, the Metropolitan Development Framework, and other applicable Metropolitan plans, policies, and programs; and
- WHEREAS, The Physical Development Committee of the Metropolitan Council, in discharge of the above statutory responsibility, has analyzed the budget of the Commission and recommends that the Metropolitan Council act to approve, subject to compliance with certain conditions and recommendations, the Metropolitan Waste Control Commission's proposed 1982 Capital Budget and to direct the resubmission of the same prior to December 15, 1981.

NOW, THEREFORE, BE IT RESOLVED:

1. That the Metropolitan Council approves, subject to the exclusions and compliance with the conditions and recommendations contained in Referral Report No. 81-192 of the Physical Development Committee to the Metropolitan Council, the Capital Budget of the Metropolitan Waste Control Commission, as set forth in the attached Referral Report.
2. That specifically the 1982 Capital Budget proposed by the Metropolitan Waste Control Commission be approved with the following changes:
  - 1) Schedule 7 should reflect additional income of \$354,000 from local governments and \$4,500,000 from TKDA.
  - 2) Schedule 7 should be revised to indicate "local funds applied" as a separate item under Expenditures.
  - 3) Schedule 12 should list previously authorized amounts for projects 75-01 and 76-13 to be consistent with Council approval of 1981 budget amendments.
  - 4) The project descriptions for project 81-65 should more clearly identify the timing of, need for, and scope of the proposed miscellaneous projects.

LEGISLATIVE REFERENCE LIBRARY  
STATE OF MINNESOTA

- 5) The error in the project description for 74-07, Blue Lake sludge should be corrected.
  - 6) The amount requested for project 82-A, Battle Creek Special Assessment, should be revised to \$692,300.
  - 7) The project description for Project 82-0, Interceptor Rehabilitation, should be made more specific.
  - 8) The final budget should reflect the amounts approved by the Council as amendments to the 1981 budget for projects 72-04, 77-01, 78-02 and 77-06.
  - 9) With the exceptions noted above, the 1982 Capital Budget is consistent with the Policy Plan and the MWCC's approved Development Program.
3. That, in order to approve the process for implementation of Minnesota Statutes, Sec. 473.163, the Metropolitan Waste Control Commission is directed to:


By the 15th day of each January, April, July and October, prepare for the Metropolitan Council a report concerning the expenditures of its capital projects funds. At a minimum, this report will contain the name of the project, the approved budget amount including any amendments approved by the Metropolitan Council, the expenditures of the previous quarter and the project to date, encumbrances (funds which are obligated by an executed contract, purchase order or other executed legal instrument), and the remaining balance. A summary page will show budgeted and actual year to date revenues and expenditures as well as beginning and ending cash balances.

4. That the Metropolitan Council directs the Metropolitan Waste Control Commission to resubmit its proposed 1982 Capital Budget to the Council for further review prior to December 15, 1981, containing provisions which address and comply with the above specified conditions and recommendations.
5. That the Metropolitan Council directs the Chairman of the Council to transmit this Resolution together with the referenced report to the Metropolitan Waste Control Commission and to advise the Commission of the Council's procedure which must be followed in connection with the resubmission of the Capital Improvement Budget prior to December 15, 1981. Further, the Council directs the Executive Director to take all other action necessary to discharge the Council's statutory duty and responsibility with regard to its review of the Commission's Capital Improvement Budget.


Adopted this 24 day of September, 1981.

METROPOLITAN COUNCIL

By

  
Charles R. Weaver,  
Chairman

By

  
Eugene E. Franchett,  
Executive Secretary

METROPOLITAN WASTE CONTROL COMMISSION  
350 Metro Square Building, Saint Paul, Minnesota 55101  
222-8423

RESOLUTION NO. 81-252

RESOLUTION APPROVING AND ADOPTING  
1982 PROGRAM BUDGET

WHEREAS, the 1981 Program Budget was presented to the Commission at its regular meeting of June 9, 1981, and

WHEREAS, public hearings were held on the proposed budget on July 14, August 11, and September 8, and

WHEREAS, the Metropolitan Council has reviewed and approved, with amendments, the capital improvement portion of the budget, and

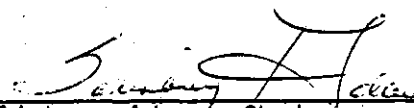
NOW, THEREFORE, BE IT RESOLVED:

1. That the Metropolitan Waste Control Commission approve and adopt the 1982 Program Budget as amended by the Metropolitan Council, and
2. That the amount of \$61,532,976 be allocated to the various units of government for current use costs, and
3. That the amount of \$2,830,000 be allocated to industrial users for industrial strength charges, and
4. That the amount of \$5,576,789 be allocated to various units of government for reserve capacity charges, and
5. That the SAC unit charge applicable during the 1982 Budget year will remain at \$425.00, and
6. That the Commission concur with the Metropolitan Council on the capital improvement portion of the budget requiring new funding for 1982 of \$5,660,330, and
7. That the Commission concur with the Metropolitan Council on the reappropriation of \$140,675,243 for projects previously authorized as detailed on Schedule 12, and
8. That the Commission concur with the comments and recommendations approved by the Metropolitan Council relating to the capital improvement portion of the budget, plus the additional appropriation for projects 74-01(401) and 79-06.


Adopted this 20th day of October, 1981

METROPOLITAN WASTE CONTROL COMMISSION

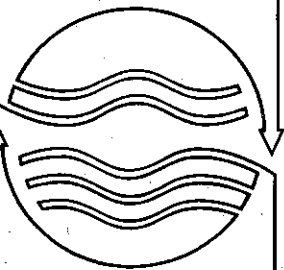
By

  
Salisbury Adams, Chairman

By

  
George W. Lusher, Chief Administrator

RLB:ht  
10.14.81



October 15, 1981

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 Metropolitan Council Act, Minnesota Statutes, Chapter 473B.063 (as amended by the Metropolitan Reorganization Act, Chapter 422, 1974 Session Laws), is the proposed 1982 Operating and Capital Budgets for the Metropolitan Waste Control Commission covering the period January 1 through December 31, 1982.

Operating Budget:

The procedure followed in the preparation of the Program Budgets was initiated by the Program Managers preparing their requests based upon their objectives for 1982. 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 increase, when presented to the Budget Committee, totalled approximately 25.1%. 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 21.6%. Additional reviews by the Budget Committee have further reduced objectives and resources. Thus, the total budget increase submitted to you now totals 17.23%, which includes the \$2 million the Metropolitan Council directed the Commission to add for debt service.

Expenditures for the administration, operation and maintenance of the Metropolitan Disposal System during 1982 totals \$69,989,765. This amount represents a \$10,291,480, or 17.23 percent increase in proposed expenditures over the current year's budget. The total proposed expenditures of \$69,989,765 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 1982 Budget are as follows:

Salaries, Wages & Benefits - Proposed costs for salaries, wages and benefits total \$24,723,917, an increase of \$4,045,332. This increase is attributed to 45 new positions of which 40 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.

Motor Vehicle Expense - Proposed costs for 1982 total \$665,472, an increase of \$109,546 or 19.7 percent over the prior year. This increase is attributed to the sludge-composting activities at the Metro Plant.

Contracted Services (Sludge Disposal) - Proposed costs for contracted services, sludge hauling total \$2,443,700 an increase of \$1,735,300 over the current year. This increase is mainly due to the need to shut down four (4) incinerators to meet air quality requirements and for renovation.

Chemicals - Proposed costs for various chemicals, such as, ferric chloride, lime, polymers and chlorine total \$3,142,582 an increase of \$507,839.

Materials & Supplies - Proposed costs for materials and supplies for maintenance and operations total \$3,164,265 an increase of \$960,265.

Debt Service & Acquisition Costs - Debt service & acquisition costs for 1982 total \$19,954,890 an increase of \$2,524,040. The increase is due to the larger payment due the Metropolitan Council. 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.

Personnel Summary - The personnel requirement for 1982 requires 45 new positions resulting in a total complement of 876 employees. 42 are required for the administration, operation, and maintenance of the Metropolitan Disposal System as follows: One (1) for the Rosemount Plant, forty (40) new employees are required for the expanded facilities at Metro, and a machinist-mechanic is required for maintenance of the Interceptor System. Three (3) employees are required for the Quality Control Department, two (2) for Program 012, Industrial Waste to enforce the new pretreatment regulations and one (1) environmental scientist for Program 017, Sludge Utilization on Land.

Sewer Service Charges - Allocation of current use charges to local governments being served by the Metropolitan Disposal System is estimated to cost \$65.78 per 100,000 gallons (per family) based on flow volume of 93,549 million gallons. This is an increase of 17.6% over 1981. This difference between the 17.23% budget increase and 17.6% is due to an expected lower total flow in 1982. This will produce revenues in an amount of \$61,532,976.

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

<u>Discription</u>	<u>Current Use %</u>	<u>Current Use Debt Ser.</u>	<u>Reserve Cap. %</u>	<u>Reserve Cap. Debt Ser.</u>
TW	.726510	\$8,873,949.22	.273490	\$3,340,540.90
SA #1	.686480	849,523.59	.313530	387,983.09
SA #2	.295820	179,301.08	.704180	426,814.40
SA #3	.320740	22,222.46	.679260	47,062.52
SA #4	.237301	191,914.25	.762699	616,823.37
SA #5	.212907	125,796.17	.787093	465,054.16
SA #6	.184790	66,305.75	.815210	292,510.99
Total		<u>\$10,309,012.52</u>		<u>\$5,576,789.43</u>

The total Reserve Capacity Requirement is \$5,576,789. Based on our analysis, we are proposing that the present SAC charge of \$425 be continued without change.

Industrial Strength Charges - This system anticipates revenues from an estimated 150 firms located in 31 units of government with estimated revenues of \$2,830,000.

In summary the 1982 Proposed Operating Budget of \$69,989,765 is an increase of \$10,287,980 or 17.23% over the 1981 Budget. This proposed increase is attributed to the following:

a) Inflation	5.53%
b) New facilities/programs (required to meet increased air and water quality standards)	
Metro Plant	4.00%
Empire Plant	.17%
Pre-treatment	.10%
	4.27%
c) Additional Sludge Utilization on Land (required to meet air and water quality standards prior to completion of plant expansion)	3.20%
d) Additional Debt Service Costs	<u>4.23%</u>
Total Increase	<u>17.23%</u>

The budget increases for the 3 year period 1979-1982 average 11.89% and we have consistently told the communities to budget 12-13% increases through 1983.

#### Capital Budget

The Capital Improvements Program contains 61 projects for which \$428,649,785 has been appropriated during the past several years. It is anticipated that twelve (12) of these will be closed out during the current year and the remaining authorized projects will require total expenditures of \$140,675,243. Of this amount, \$26,807,302 has been encumbered and the balance of \$113,867,941 will be encumbered during the next year. A detail financial status of these projects are shown on Schedule 12. In addition five new projects are being proposed in the amount of \$5,660,300 and described on Schedule 13.

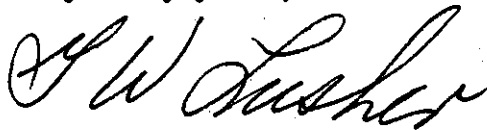
Revenues to finance these projects include certified federal grants (net) \$27,693,234; certified state grants \$5,606,643; anticipated grants \$33,540,000; investment earnings \$2,750,000; miscellaneous earnings of \$4,520,000; due from local governments of \$354,000; and transfer from SAC fund of \$4,880,000 which totals \$79,343,877, and fund balance as of December 31, 1980 of \$16,743,473 resulting in total revenues of \$96,087,350. Proposed expenditures for previously approved projects and new proposed projects total \$146,335,543 which results in a deficit fund balance of \$50,248,193 which will require sale of bonds to completely finance these projects.



The Honorable Salisbury Adams, Chairman  
Members of the Commission  
October 15, 1981  
Page Five

In submitting this 1982 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,

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

George W. Lusher  
Chief Administrator

GWL:RLB:ht

# TABLE OF CONTENTS

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

# TABLE OF CONTENTS (continued)

## Schedule

### Programs (continued):

Seneca Plant	3-23
Blue Lake Plant	3-24
Chaska Plant	3-24
Anoka Plant	3-24
Bayport Plant	3-24
Cottage Grove Plant	3-25
Hastings Plant	3-25
Stillwater Plant	3-25
Savage Plant	3-26
Maple Plain Plant	3-26
Medina Plant	3-26
South Saint Paul Plant	3-27
Rosemount Plant	3-27
Summary of Debt Service	4
Summary of Acquisition Costs	5
Allocation of Current Use Costs	6
Construction Fund - Revenues & Expenditures	7
Certified Federal Grants	8
Certified State Grants	9
Anticipated Grants	10
Summary of Investment Income	11
Financial Status - Current Projects	12
Summary of New Projects - Request for Funding	13
Status of Authorized Personnel	14
Organizational Chart	15

# GOALS AND OBJECTIVES

## **General Goal**

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

## **Objectives**

Administration: To ensure overall administrative management of Commission affairs including legal and legislative matters; 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 1982</u>	<u>Budget 1981</u>	<u>Actual 1980</u>
<u>ESTIMATED REVENUES:</u>			
Sewer Service Charges - Communities	\$61,532,976	\$52,907,158	\$44,560,535
Industrial Strength Charges	2,830,000	2,685,000	2,080,517
Service Availability Charges	5,576,789	3,809,627	6,529,697
Investment Earnings	-0-	275,000	126,841
Federal & State Grants	25,000	-0-	238,317
Other	<u>25,000</u>	<u>25,000</u>	<u>10,982</u>
TOTAL ESTIMATED REVENUES	<u>\$69,989,765</u>	<u>\$59,701,785</u>	<u>\$53,546,889</u>
<u>ESTIMATED EXPENDITURES:</u>			
Program	50,034,875	42,270,935	37,085,360
Debt Service	15,885,802	13,361,762	13,671,926
Acquisition Costs	<u>4,069,088</u>	<u>4,069,088</u>	<u>4,069,088</u>
TOTAL ESTIMATED EXPENDITURES	<u>\$69,989,765</u>	<u>\$59,701,785</u>	<u>\$54,826,374</u>
Transfer to SAC Reserve			2,143,225
Due From Local Governments			<u>(3,422,710)</u>
GRAND TOTAL			<u>\$53,546,889</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 1982;

## 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: \$600,039

Work Hours Required: 3,800

## 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: \$111,241

Work Hours Required: 4,000

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: \$100,762

Work Hours Required: 6,400

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 1981 Annual Report by February 20, 1982;
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: \$105,302

Work Hours Required: 4,600

### SAFETY (005)

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

#### 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: \$58,575

Work Hours Required: 2,700

### 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: \$11,985

Work Hours Required: 50

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 1982.

Resources Required: \$ 60,205

Work Hours Required: 3,750

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, 1982?
2. Were program objectives accomplished within the budgeted manhours and costs?

Resources Required: \$ 161,006

Work Hours Required: 6,700

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 (140 metered and 70 unmetered) for 102 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 102 communities in the 1983 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 100 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 (100-150) 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: \$166,736

Work Hours Required: 10,090

## ENGINEERING SERVICES (010)

### Description:

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

### Performance Criteria:

1. Were all in-house plans and specifications timely provided and the improvements 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: \$137,989

Work Hours Required: 6,980

## 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 six departmental program managers in accomplishing their program and bud-

QUALITY CONTROL ADMINISTRATION (011)  
(continued)

Description: (cont.)

- getary objectives, through monthly reviews of objectives and budgets, monthly program managers' meetings and general and clerical support;
2. Coordinate departmental activities with other departments, The Chief Administrator, and the Commission through appropriate meetings and reports;
  3. Participate in public and interagency meetings for the MWCC and respond to external requests for information and data from other governmental agencies and individuals;
  4. Prepare 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: \$87,171

Work Hours Required: 3,200

INDUSTRIAL WASTES (012)

Description: To administer the industrial waste regulations of the Commission and evaluate the impact of industrial wastes on treatment plant operations.

1. Plan and coordinate the industrial waste program;
2. Maintain a current inventory of industrial waste contributors and prepare quarterly summary reports on contributors and monitoring;
3. Process all industrial SAC applications received;
4. Administer the strength charge system;
5. Conduct 200 industry investigations;
6. Conduct 20 treatment plant investigations;
7. Enforce Commission regulations;

INDUSTRIAL WASTES (012) (continued)

Description: (cont.)

8. Attend conferences on industrial waste technology;
9. Prepare an annual industrial waste report by March 1.

Performance Criteria:

1. Comparison of objectives met and resources used;
2. Number of industries delinquent in reporting and those properly inventoried;
3. Number of SAC applications processed in 10 days and total number received;
4. Dollar amounts of bills prepared;
5. Number of investigations conducted and number projected;
6. Number of investigations conducted and number projected;
7. Percent of known problems remaining unresolved;
8. Assessment of value of conferences to the Commission;
9. Date of completion.

Resources Required: \$467,896

Work Hours Required: 30,410

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 three research projects which address the long term needs of MWCC in terms of treatment performance, receiving water quality, and analytical procedures;

RESEARCH & DEVELOPMENT (013) (continued)

Description: (cont.)

2. Review R & D activities of other agencies by attending two technical conferences and reviewing 20 technical reports;
3. Continue funding of the joint USDA/MWCC study of sludge disposal on agricultural lands;
4. Collect data and prepare report on the long term economic impact of process automation at Seneca by December 31, 1982;
5. Conduct short-term special studies as requested and prepare reports within 30 days of request;
6. Prepare an Annual Report of program activities by March 1.

Performance Criteria:

1. Number of projects funded and percent completed in 1982;
2. Number of technical conferences attended and reports reviewed;
3. Percent of planned work completed;
4. Report completion date;
5. Number of reports completed within time limit;
6. Date of completion.

Resources Required: \$122,002

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 comprehensive Water Quality Monitoring System;

WATER QUALITY MONITORING (014) (continued)

Description: (cont.)

2. Conduct the MWCC-USGS continuous automatic monitoring program at 12 stations;
3. Conduct the Physico-chemical Sampling Program at 28 river sites and collect 1456 samples/year;
4. Conduct the MWCC-USGS Cooperative Sampling Program at 10 river sites and collect 64 samples/year;
5. Conduct the Biomonitoring Program at 18 river sites and collect 264 samples/year;
6. Conduct 6 toxicity tests of MWCC treatment plant effluents;
7. Conduct special studies for the recalibration of the Aesop water quality model;
8. Develop a formal quality assurance program;
9. Develop computer applications and maintain a data base management system for water quality data, analysis, and interpretation;
10. Conduct special studies as required;
11. Attend conferences related to water quality monitoring;
12. Prepare an annual report of Water Quality by September 1;
13. Prepare an annual Program Activities report by March 1.

Performance Criteria:

1. Comparison of objectives met;
2. Number of automatic-monitor units in operation;

WATER QUALITY MONITORING (014) (continued)

Performance Criteria: (cont.)

3. Number of samples collected;
4. Number of samples collected;
5. Number of samples collected;
6. Number of tests completed;
7. Number of studies conducted;
8. Number of elements developed;
9. Number of applications developed;
10. Number of special studies conducted;
11. Written assessment of conferences;
12. Date of completion;
13. Date of completion.

Resources Required: \$370,817

Work Hours Required: 20,450

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 195,000 laboratory analysis and prepare appropriate reports upon completion of analyses as follows:

LABORATORY SERVICES (015)  
(continued)

Description: (cont.)

- a. 40,000 analyses for NPDES monitoring of treatment plants.
  - b. 22,000 analyses for area rivers.
  - c. 70,000 analyses for treatment plant control.
  - d. 18,000 analyses for support of special studies.
  - e. 18,000 analyses for industrial waste.
  - f. 27,000 analyses for internal laboratory quality assurance.
3. Prepare preliminary monthly NPDES summary reports by the 7th day of each month;
  4. Prepare monthly NPDES Compliance monitoring reports by the 20th day of each month;
  5. Prepare an annual report on laboratory activity by March 1;
  6. Prepare an annual report on treatment plant performance by July 1;
  7. Maintain professional stature through attendance at conferences on analytical chemistry and biological analyses and review of technical publications;
  8. Maintain laboratory instrumentation and continuous monitoring equipment used for plant operational control at the Metropolitan, Blue Lake, Seneca, and Empire Plants;
  9. Visit nine treatment plants twice each month to provide calibration and maintenance of laboratory instrumentation and sampling equipment;
  10. Maintain laboratory equipment and supplies inventory system;
  11. Increase laboratory capabilities to provide for organic toxic pollutant analysis;

LABORATORY SERVICES (015) (continued)

Description: (cont.)

12. Provide taxonomic identification of periphyton and algae in support of the water quality monitoring program.

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 conferences and publications to program activities;
8. Percentage of time laboratory instrumentation and monitoring equipment not functioning;
9. Number of visits made compared to number scheduled;
10. Assess cost savings of inventory system;
11. Number of toxic pollutant analyses conducted compared to number scheduled;
12. Number of requests processed compared to number requested.

Resources Required: \$1,068,031

Work Hours Required: 75,320



## 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 at the specified frequencies for the following parameters and prepare reports;
  - a. Particulate - quarterly
  - b. SO<sub>x</sub> - semi-annually
  - c. NO<sub>x</sub> - semi-annually
  - d. Hydrocarbons - semi-annually
  - e. PCB's - semi-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 pannel method at the Blue Lake, Seneca, and Metropolitan Treatment Plants semi-annually;
4. Conduct weekly opacity monitoring on stacks at the Metropolitan Plant and the Seneca Plant;
5. Conduct odor monitoring compliance tests at lift stations as required by regulatory agencies;
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. Conduct a quality assurance program for all air monitoring analyses;
10. Collect daily meteorological data for the Blue Lake, Seneca, and Metropolitan Plants;

## AIR QUALITY MONITORING (016) (continued)

11. 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 compliance tests completed as compared to the number required by regulatory agency;
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. Compare quality assurance conducted to that required by regulatory agency;
10. Number of data points collected compared to number scheduled;
11. Number of test requests compared to number of tests completed.

Resources Required: \$101,831

Work Hours Required: 6,720

## SLUDGE UTILIZATION (017)

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

1. Dispose on land all sludge generated in excess of incineration capacity at the Metro Plant;
2. Obtain MPCA approval for disposal of liquid sludges on private land;
3. Develop and maintain market for 70 cu yd/day composted sludge;
4. Plan, conduct, and supervise silviculture activities including the use of sludge for silviculture, through the use of the service of the Tree Trust Program and the DNR;
5. Prepare an annual report of program activities by March 1.

### Performance Criteria:

1. Percent of excess sludge disposed on land;
2. Land area permitted expressed in terms of % of annual capacity required;
3. Compost marketed in terms of percentage of goal;
4. Percent of program completed;
5. Date of report.

Resources Required: \$2,676,888

Work Hours Required: 10,460

## CONSTRUCTION ADMINISTRATION (018)

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

## CONSTRUCTION ADMINISTRATION (018) (continued)

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 3½%. 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 and MWCC Administration 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: \$46,915

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. Develop overall Central Office departmental space and equipment needs plan for next two years;
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;
4. Oversee and supervise purchasing activities and to discuss problem areas;
5. Prepare business item for presentation at committee meetings as they relate to labor, personnel and purchasing matters;
6. Conduct bi-monthly staff meetings to inform staff about Commission activities and to discuss problem areas;
7. Hold individual meetings with staff to critique work performance;

BUSINESS SERVICES ADMINISTRATION (019)  
(continued)

8. Notify staff of alternative commuter programs; maintain bus ridership incentive program;
9. Develop the 1982 Business Services Department Budget.

Performance Criteria:

1. Present overall analysis and space needs to Chief Administrator by September;
2. 90% of copy requests to be filled the day requested, institute program to insure two-sided copying is more widely utilized;
3. Remove all 1980 paid invoices by end of February;
4. Assist in implementation of computerized purchasing functions and make recommendations for additions to the system;
5. All business items to be prepared timely;
6. Conduct 6 departmental staff meetings;
7. Hold at least one meeting with each employee of the department to discuss work performance;
8. Post all incoming commuter information; monthly provide bus passes to riders;
9. Meet budget calendar.

Resources Required: \$212,710

Work Hours Required: 6,024

## 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;
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

## PERSONNEL SERVICES (020) (continued)

### Description: (cont.)

- 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. Develop two tests for specific job classifications;
4. Acknowledge all applications within 3 days. Continue control and routing method for various departmental reviews;
5. Maintain receipt of written probationary and evaluation forms assuring that appropriate, specific and job related information is provided for Administration Department review;
6. Provide 6 EAP Bulletins dealing with available services or programs. Provide two inservice seminars for MWCC personnel relating to referral procedures;

## PERSONNEL SERVICES (020) (continued)

### Performance Criteria: (cont.)

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. Complete review of all union salaried job classification descriptions by July 1 and non-union descriptions by end of the year.

Resources Required: \$111,042

Work Hours Required: 4,400

## LABOR RELATIONS (021)

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

## LABOR RELATIONS (021) (continued)

### 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: \$50,130

Work Hours Required: 1,800

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

### Description:

1. To process all property and casualty damage claims so that the effected party is expeditiously serviced and continually review all outstanding claims to ensure that action is being taken on them;
2. Administer the overall Worker's Compensation program to ensure that claims are processed on a timely bases and that the insurance carrier is servicing the claim properly;
3. To maintain ongoing update to assure that all risks are properly covered and that all premiums reflect the insurance in force;
4. Provide complete explanation of entire fringe benefit program to

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

Description: (cont.)

new employees and complete necessary forms. At termination advise employees of conversion provisions available and to counsel retiring employees concerning retirement benefits and procedures and insurance options;

5. To answer employee questions on policy content and assist the employees with processing claims and act as liaison between the insurance carriers and the Commission employees. To maintain all insurance files, records, updating on a daily basis.

Performance Criteria:

1. Number of property damage claims receiving initial acknowledgement within three days to total number of claims processed. Develop quarterly report;
2. Worker's Compensation claims to be processed in two days. Develop quarterly report. Review claims with appropriate Directors to assist in reduction of accidents;
3. All new insurable risks to be reported to the insurance company within two days;
4. Every employee signed up for fringe benefits within one day of beginning their employment and close the insurance files on an employee who terminates prior to retirement within a seven day period;
5. Number of medical claim questions answered directly to number of inquiries that must be made to the insurance companies or consultant.

Resources Required: \$1,454,180

Work Hours Required: 3,825

PURCHASING (023)

Description:

1. To provide a centralized purchasing system with a proper set of checks and balances on orders;
2. To administer a purchasing program that assures the best prices available are being received for the quantities ordered;
3. To maintain a bid calendar for all items to be carried through the bidding process and administer bidding procedures;
4. To manage a central motor pool so that utilization of all Central Office based vehicles can be coordinated and maximized;
5. To seek out minority vendors and insure that they participate in the purchasing program;
6. Improve computer system application to purchasing functions;
7. Prepare a 1983 budget forecast of materials and supplies for all departments to use in preparing their annual program budget.

Performance Criteria:

1. 90% of all purchase orders processed completely within three days from date requisition is received;
2. Produce a quarterly report that shows that best prices from responsive vendors are being received;
3. Report to the Commission on all contracts, and make recommendations, in new areas when potential savings could be attained by public competitive bidding, also follow through with contract documents on all Commission approved contracts;

PURCHASING (023) (continued)

Performance Criteria: (cont.)

4. Review entire motor pool system and update written procedures;
5. Help two new minority vendors with the bidding process and get them involved and active in the Commission Purchasing Program;
6. Produce three new purchasing oriented reports via the computer system;
7. 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: \$132,636

Work Hours Required: 9,199

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;
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;

COMPTROLLER ADMINISTRATION (024)  
(continued)

4. Prepare cost effectiveness studies within 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;
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: \$95,421

Work Hours Required: 4,890

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;
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.

ACCOUNTING AND COLLECTIONS (025)  
(continued)

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 1981;
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%;
10. Objectives met, manhours complied with and budget adhered to.

Resources Required: \$154,051

Work Hours Required: 6,480

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;



DISBURSEMENTS (026)(continued)

Description: (cont.)

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: \$82,992

Work Hours Required: 7,810

PAYROLL (027)

Description:

1. Furnish data to compute payroll checks 3 days before payroll day;
2. Remit 90% of deductions taken on payroll checks to proper entities within 10 days after payroll day;
3. Generate quarterly 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;

PAYROLL (027) (continued)

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: \$105,586

Work Hours Required: 7,900

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 12/31/81;
2. Meet October 1, 1981 Metropolitan Debt Service payment required;
3. Grant all credits for acquisition cost assumed by Commission by 12/31/81.

Resources Required: \$19,954,890

Work Hours Required: -0-

OPERATIONS ADMINISTRATION (029)

Description: To manage and oversee operation of all Commission Wastewater Treatment Plants and conveyance and apparatus support systems in a timely and effective manner.

1. To attain 97% compliance with NPDES effluent limitations at the Metropolitan Wastewater Treatment Plant during 1982;

## OPERATIONS ADMINISTRATION (029) (continued)

### Description: (cont.)

2. To attain an average of 96% compliance with NPDES effluent limitations at Wastewater Treatment Plants other than the Metropolitan Plant during 1982;
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. Monitor financial status to assure compliance with 1982 Operating Budget.

### Performance Criteria:

1. The NPDES Permit Compliance at the Metropolitan Wastewater Treatment Plant in 1982 compared to 94%;
2. The Average NPDES Permit compliance at plants other than the Metropolitan Plant in 1982 compared to 96%;
3. The actual frequency and severity rates of effluent quality for the Metro Plant and for the other treatment plants;
4. Quarterly report of percent compliance with 1982 Operating Budget.

Resources Required: 191,080

Work Hours Required: 8,760

## PROCESS ASSURANCE (030)

Description: To provide technical and administrative assistance to Commission wastewater treatment plants for the purpose of process control, planning coordination, start-up assistance, report preparation, and MPCA and other communications. To ensure the most cost-effective, practical and environmentally sound operation of all Commission wastewater treatment plants. Specifically:

## PROCESS ASSURANCE (030) (continued)

### Description: (cont.)

1. To meet all target dates and objectives as stated in the Metropolitan Plant Stipulation Agreement which was approved by the Commission on December 11, 1979;
2. To maintain a minimum of 97% compliance with NPDES Permit effluent limitations at all Commission wastewater treatment plants; and
3. To manage allotted funds within the Program 030 Budget.

### Performance Criteria:

1. Compliance with NPDES Permit effluent limitations;
2. Percent compliance with NPDES Permit effluent limitations;
3. Management of allotted funds within the 030 Program Budget.

Resources Required: \$157,347

Work Hours Required: 8,300

## MAJOR EMERGENCY REPAIRS (031)

### Description:

1. Respond to and provide major emergency repairs of an unforeseeable nature in excess of \$5,000 for operational facilities and interceptor systems at a total cost of \$140,000;
2. Manage within the limits of the 1982 Operating Budget.

### Performance Criteria:

1. Complete major emergency repairs in an expeditious manner;
2. Quarterly reports of percent compliance with the 1982 Operating Budget.

Resources Required: \$140,000

Work Hours Required: -0-

## MANAGEMENT INFORMATION SYSTEM (032)

### Description:

1. Proceed on development of Plant Information System;
2. Develop minor programs for various departments;
3. Provide assistance and training to MIS users;
4. Provide system expertise to develop (MMICS) Metro Warehousing system;
5. Maintain system software integrity;
6. Oversee contract maintenance for all MIS Computer equipment and peripherals;
7. Develop Statistical Analysis package for Plant Information System; (SPSS)
8. Revise SIRS programs to maintain continuity of Honeywell PDP;
9. Operate within 1982 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;
6. Computer equipment and terminals being serviced properly and the contracts to do so the best that can be negotiated;

## MANAGEMENT INFORMATION SYSTEM (032) (continued)

7. SPSS being maintained and used;
8. SIRS programs debugged and more efficient;
9. Quarterly Financial Report.

Resources Required: \$209,593

Work Hours Required: 5,400

## 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 monthly overflow summaries;
3. Manage within the limits of the 1982 Operating Budget.

### Performance Criteria:

1. Keep maintenance schedule current;
2. Submit reports on time;
3. Quarterly report of percent compliance with 1982 Operating Budget.

Resources Required: \$300,072

Work Hours Required: 12,260

## INTERCEPTOR SYSTEM ADMINISTRATION (034)

### Description:

1. To direct and report in a timely manner, the financial and performance status of 1982 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 1982 Operating Budget.

Performance Criteria:

1. Forward status reports by the 15th of each month;
2. Review Engineering Department plans on schedule; detect program deficiencies and include them in the 1982 budget;
3. Quarterly report of percent compliance with 1982 Operating Budget.

Resources Required: \$214,160

Work Hours Required: 10,305

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. Manage within the limits of the 1982 Budget.

Performance Criteria:

1. Review Maintenance and Rental contracts for cost and performance;
2. Complete scheduled inspections, repair and reports;
3. Report quarterly percent compliance with the 1982 Operating Budget.

INTERCEPTOR SYSTEM MAINTENANCE (035)  
(continued)

Resources Required: \$596,564

Work Hours Required: 13,410

LIFT STATIONS (036)

Description:

1. To continuously keep in good operating order 59 lift stations by means of a first and second echelon maintenance program;
2. To continuously keep in good working order the alarm system for 59 lift stations and 8 treatment plants;
3. To continue a preventative maintenance program for 8 treatment plants;
4. Manage within the limits of the 1982 Operating Budget.

Performance Criteria:

1. All stations in good operating condition and adhere to preventative maintenance scheduled;
2. Keep alarm system continuously operational;
3. Keep preventative maintenance on schedule;
4. Quarterly report of percent compliance with 1982 Operating Budget.

Resources Required: \$1,484,213

Work Hours Required: 38,089

METERING STATIONS (037)

Description:

1. Keep 152 flow meters in good working order through preventative maintenance and quarterly calibration schedule;

## METERING STATIONS (037)(continued)

### Description: (cont.)

2. Schedule calibrations as efficiently as possible;
3. Prepare and forward to Engineering Dept. 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 limits of 1982 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;
7. Quarterly report of percent compliance with 1982 Operating Budget.

## METERING STATIONS (037) (continued)

Resources Required: \$579,776

Work Hours Required: 20,605

### EMPIRE (038)

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 1982 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 1982 Operating Budget.

Resources Required: \$1,423,534

Work Hours Required: 49,028

### OPERATIONS, METRO PLANT (039)

#### Description:

1. Attain 97% compliance with NPDES permit effluent limitations during 1982;
2. Attain effluent quality performance of 90% frequency and 40% severity;
3. Comply with MPCA stack gas quality limitations 93% of the time within the limits of available scrubbing equipment;
4. Manage operations within the limits of the 1982 budget;
5. Maintain satisfactory labor relations.

OPERATIONS, METRO PLANT (039)  
(continued)

Performance Criteria:

1. Actual percentage compliance during 1982;
2. Actual frequency and severity;
3. Hours of inadequate control of stack gas quality due to operational or maintenance deficiencies;
4. Comparison of actual expenditures to budget amounts;
5. The number of grievances to Step 3 procedure and beyond. Resolution of all grievances which will establish a good working atmosphere between management and labor.

Resources Required: \$21,694,644

Work Hours Required: 687,556

MAINTENANCE, METRO PLANT (040)

Description:

1. Provide maintenance services to assure that operational units of the plant meet 97% compliance effluent limitations during 1982;
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 1982 budget;
5. Maintain satisfactory labor relations.

Performance Criteria:

1. Hour of equipment downtime directly affecting NPDES Permits or performance goals;

MAINTENANCE, METRO PLANT (040)  
(continued)

Performance Criteria: (cont.)

2. Hours of equipment downtime directly affecting NPDES Permits or performance goals;
3. Number of emergency work orders not completed in a timely manner;
4. Comparison to 1982 operating budget;
5. Number of grievances going to Step III.

Resources Required: \$6,095,493

Work Hours Required: 212,400

OPERATIONS, SENECA TREATMENT PLANT (041)

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. To manage operations within the limits of the 1981 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;
3. Quarterly Report of percent compliance with the 1981 Operating Budget.

Resources Required: \$3,302,013

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%;
2. To attain effluent quality performance equal to 95% frequency and 33% severity;
3. Manage operations within the limits of the 1982 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 1982 Operating Budget.

Resources Required: \$1,673,865

Work Hours Required: 58,432

## CHASKA WASTEWATER TREATMENT PLANT (043)

### Description:

1. To achieve a minimum annual average compliance with NPDES Permit effluent limitations of 98%;
2. To attain effluent quality performance equal to 93% frequency and 33% severity;
3. Manage operations within the limits of the 1982 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 1982 Operating Budget.

## CHASKA WASTEWATER TREATMENT PLANT (043) (continued)

Resources Required: \$264,523

Work Hours Required: 9,300

## ANOKA (044)

### Description:

1. To achieve a minimum annual average compliance with NPDES Permit effluent limitations of 98%;
2. To attain effluent quality performance equal to 93% frequency and 33% severity;
3. Manage operations within the limits of the 1982 Operating Budget.

### Performance Criteria:

1. Annual average percentage compliance with NPDES Permit effluent limitations;
2. The actual frequency and severity rates of effluent quality during the calendar year;
3. Quarterly report of percent compliance with the 1982 Operating Budget.

Resources Required: \$227,392

Work Hours Required: 9,080

## BAYPORT (045)

### Description:

1. To achieve a minimum annual average compliance with NPDES Permit effluent limitations of 98%;
2. To attain effluent quality performance equal to 93% frequency and 33% severity;
3. Manage operations within the limits of the 1981 Operating Budget.

BAYPORT (045) (continued)

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 1981 Operating Budget.

Resources Required: \$175,798

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 33% severity;
3. Manage operations within the limits of the 1982 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 1982 Operating Budget.

Resources Required: \$282,697

Work Hours Required: 13,699

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 1982 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 1982 Operating Budget.

Resources Required: \$258,737

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 1982 Operating Budget.

Performance Criteria:

1. Annual average percentage compliance with NPDES Permit effluent limitations



STILLWATER (048) (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 1982 Operating Budget.

Resources Required: \$389,427

Work Hours Required: 14,683

SAVAGE (049)

Description:

1. To achieve a minimum annual average compliance with NPDES Permit effluent limitations of 98%;
2. To attain effluent quality performance equal to 93% frequency and 33% severity;
3. Manage operations within the limits of the 1982 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 1982 Operating Budget.

Resources Required: \$110,379

Work Hours Required: 4,920

MAPLE PLAIN PLANT (050)

Description:

1. To achieve a minimum annual average compliance with NPDES Permit effluent limitations of 92%;

MAPLE PLAIN PLANT (050) (continued)

2. To attain effluent quality performance equal to 85% frequency and 45% severity;
3. Manage operations within the limits of the 1982 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 1982 Operating Budget.

Resources Required: \$83,830

Work Hours Required: 4,074

MEDINA PLANT (051)

Description:

1. To operate so that there is no treated wastewater discharge to surface waters, and to attain annual average effluent quality prior to seepage disposal of less than 25 mg/l BOD and 30 mg/l TSS;
2. To attain effluent quality performance equal to 70% frequency and 50% severity, based on 25 mg/l BOD and 30 mg/l TSS;
3. Manage operations within the limits of the 1982 Operating Budget.

Performance Criteria:

1. Annual average percentage of effluent quality prior to seepage disposal of less than 25 mg/l BOD and 30 mg/l TSS;
2. Actual frequency and severity rates of effluent quality during the calendar year;

MEDINA PLANT (051) (continued)

Performance Criteria: (cont.)

3. Quarterly report of percent compliance with 1982 Operating Budget.

Resources Required: \$36,545

Work Hours Required: 2,068

SOUTH ST. PAUL (052)

Description:

1. To provide efficient and economical pretreatment of wastewater prior to its conveyance on a continuous basis to the Metropolitan Plant;
2. To manage operations within the limits of the 1982 Operating Budget.

Performance Criteria:

1. Avoidance of emergency discharge;
2. Quarterly compliance with 1982 Budget.

Resources Required: \$733,009

Work Hours Required: 23,180

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 1982 Operating Budget.

ROSEMOUNT (053) (continued)

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 1982 Operating Budget.

Resources Required: \$556,045

Work Hours Required: 19,296

## Summary of Debt Service

	<u>Proposed 1982</u>	<u>Budget 1981</u>	<u>Actual 1980</u>
Treatment Works	\$ 12,214,490	\$ 9,917,782	\$ 10,098,118
Interceptor System			
Service Areas:			
1. Minneapolis - St. Paul	1,237,507	1,118,881	1,230,081
2. North Suburban	606,115	550,556	574,233
3. Anoka	69,285	114,039	18,636
4. Southwest	808,738	738,883	794,859
5. Bloomington-Eagan-Burnsville	590,850	583,385	590,407
6. Southeast	<u>358,817</u>	<u>338,236</u>	<u>365,593</u>
	<u>\$15,885,802</u>	<u>\$13,361,762</u>	<u>\$13,671,927</u>

LEGISLATIVE BUDGET COMMITTEE  
STATE OF MINNESOTA

# METROPOLITAN COUNCIL SEWER BOND FUND DEBT SERVICE

Estimated Fund Balance - October 1, 1981	\$13,933,220
Less - Debt Service Payments November 1, 1981 through October 1, 1982	12,787,111
Add - Interest to be earned November 1, 1981 through October 1, 1982	<u>1,550,000</u>
Balance	\$ 2,696,109
Required Balance - October 1, 1982	<u>16,827,509</u>
Program Budget Requirement	<u>\$14,131,400</u>

Apportioned to:

<u>Cost Pool</u>	<u>Capital Improvements</u>	<u>% of Debt Service</u>	<u>Amount</u>
Treatment Works	\$459,516,041	82.27	\$11,625,903
SA 1	34,315,972	6.14	867,668
SA 2	12,707,088	2.28	322,196
SA 3	2,545,407	.46	65,005
SA 4	28,491,596	5.10	720,701
SA 5	7,665,986	1.37	193,600
SA 6	<u>13,288,843</u>	<u>2.38</u>	<u>336,327</u>
	<u>\$558,530,933</u>	<u>100.00%</u>	<u>\$14,131,400</u>

Local Government Debt Service

Service Area 1 - Minneapolis - St. Paul

	<u>Treatment Works</u>	<u>Interceptors</u>	<u>Total</u>
Birchwood	\$	\$ 702.00	
Dellwood		8,754.20	
Forest Lake Township	3,109.00		
Little Canada		84,617.99	
Mahtomedi		8,193.47	
Oakdale		58,929.00	
Plymouth		11,635.00	
St. Paul		92,508.09	
Shoreview*		59,380.54	
Vadnais Heights		2,834.39	
White Bear Lake		8,268.00	
White Bear Township		7,139.00	
Woodbury		<u>26,877.00</u>	
	\$ <u>3,109.00</u>	\$ <u>369,838.68</u>	\$ <u>372,947.68</u>

Service Area 2 - North Suburban

Shoreview*	\$	\$ 36,394.53	
Brooklyn Park		136,762.00	
Circle Pines		3,043.95	
Coon Rapids		56,359.00	
New Brighton		48,316.00	
Spring Lake Park		<u>3,044.00</u>	
	\$ <u>-0-</u>	\$ <u>283,919.48</u>	\$ <u>283,919.48</u>

\*Located in 2 Service Areas

Service Area 3 - Anoka

	<u>Treatment Works</u>	<u>Interceptors</u>	<u>Total</u>
Anoka	\$ 39,007.00	\$	
Champlin		4,279.98	
	\$ <u>39,007.00</u>	\$ <u>4,279.98</u>	\$ <u>43,286.98</u>

Service Area 4 - Southwest

Deephaven	\$	\$ 21,954.13	
Excelsior	11,245.00		
Greenwood		3,812.81	
Long Lake	11,406.00		
Maple Plain	5,475.00		
Medina	5,005.00		
Minnetrista		29,486.17	
Mound	24,725.83	23,457.83	
Orono		2,803.00	
Prior Lake	9,590.13	526.00	
Savage	12,547.00		
Shakopee	22,035.00		
Spring Park	2,627.52	2,524.48	
Tonka Bay	<u>6,172.80</u>	<u>3,472.20</u>	
	\$ <u>110,829.28</u>	\$ <u>88,036.62</u>	\$ <u>198,865.90</u>

Service Area 5 - Bloomington-Eagan-Burnsville

Bloomington	\$	\$ 83,979.33	
Burnsville	23,419.00	263,733.00	
Eagan	<u>4,421.44</u>	<u>49,538.00</u>	
	\$ <u>27,840.44</u>	\$ <u>397,250.33</u>	\$ <u>425,090.77</u>

Service Area 7 - Southwest

	<u>Treatment Works</u>	<u>Interceptors</u>	<u>Total</u>
Apple Valley	\$ 13,208.26	\$ 22,489.74	
Cottage Grove	37,578.14		
Hastings	41,790.00		
Inver Grove Heights	14,620.00		
Lakeville	6,120.00		
Newport	5,160.00		
Oak Park Heights	15,867.00		
South St. Paul	226,724.00		
Stillwater	<u>46,734.00</u>		
	\$ <u>407,801.40</u>	\$ <u>22,489.74</u>	\$ <u>430,291.14</u>
 GRAND TOTAL	 \$ <u>588,587.12</u>	 \$ <u>1,165,814.83</u>	 \$ <u>1,754,401.95</u>

## Summary of Acquisition Costs

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

#### Service Areas:

1. Minneapolis - St. Paul	2,976,783
2. North Suburban	137,070
3. Anoka	489
4. Southwest	74,057
5. Bloomington-Eagan-Burnsville	296,774
6. Southeast	<u>3,930</u>

TOTAL	<u><u>\$4,069,088</u></u>
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Local Government Current Value Credit

Anoka	\$ 15,901	Excelsior	\$ 3,521
Apple Valley	6,083	Falcon Heights	2,204
Arden Hills	11,924	Farmington	10,999
Bayport	7,673	Forest Lake	8,807
Birchwood	257	Forest Lake 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	20,680
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>\$4,069,088</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		398,799.18	47,770.58	446,569.76
Apple Valley	725		413,028.69	45,562.46	458,591.15
Arden Hills	475		270,573.76	37,737.12	308,310.88
Bayport	175		99,713.12	-	99,713.12
Birchwood	29		16,521.15	2,306.58	18,827.73
Blaine	810		461,419.66	84,298.84	545,718.50
Bloomington	3,060		1,743,300.83	360,134.55	2,103,435.38
Brooklyn Center	1,110		632,333.59	88,184.72	720,518.31
Brooklyn Park	1,480		843,164.76	154,027.39	997,192.15
Burnsville	1,150		655,143.44	135,344.86	790,488.30
Champlin	98		55,798.84	6,687.88	62,486.72
Chanhassen	260		148,157.39	57,138.73	205,296.12
Chaska	280		159,509.02	-	159,509.02
Circle Pines	95		54,093.43	9,887.31	63,980.74
Columbia Heights	690		393,096.72	54,823.07	447,919.79
Coon Rapids	1,020		581,064.75	106,154.27	687,219.02
Cottage Grove	600		341,827.87	-	341,827.87
Crystal	910		518,444.27	72,297.97	590,742.24
Deephaven	142		80,847.03	31,205.90	112,052.93
Eagan	1,075		612,454.93	126,517.77	738,972.70
Eden Prairie	690		393,096.72	151,637.08	544,733.80
Edina	2,610		1,486,849.98	207,359.69	1,694,209.67
Lake Elmo	2		1,172.47	162.05	1,334.52
Empire Township	16		9,113.28	960.83	10,074.11
Excelsior	113		64,379.18	24,834.12	89,213.30
Falcon Heights	390	8	226,740.32	31,620.44	258,360.76
Farmington	245		139,577.05	14,715.49	154,292.54
Forest Lake	275		156,631.14	21,850.36	178,481.50
Forest Lake Twp.	122		69,495.40	9,690.87	79,186.27
Fridley	1,250		712,114.75	110,883.54	822,998.29
Gem Lake	16		9,113.28	1,269.43	10,382.71
Golden Valley	1,220		695,060.67	96,930.27	791,990.94
Greenwood	23		13,110.33	5,053.81	18,164.14
Andover	100		56,971.31	10,407.34	67,378.65
Hastings	565		321,842.61	-	321,842.61
Hilltop	22		12,524.10	1,744.79	14,268.89

<u>Local Government</u>	<u>Est. Flow (MG)</u>	<u>Lake Overflow Adjustment</u>	<u>Treatment Works</u>	<u>Service Area</u>	<u>Total</u>
Hopkins	745		424,433.61	60,314.62	484,748.23
Hugo	40		22,809.84	3,176.27	25,986.11
Inver Grove Heights	425		242,114.75	25,526.41	267,641.16
Lakeville	530		301,910.65	32,294.50	334,205.15
Landfall	22		12,524.09	1,750.19	14,274.28
Lauderdale	55		31,336.89	4,370.07	35,706.96
Lexington	40		22,809.84	4,162.94	26,972.78
Laketown Twp.	11		6,235.40	2,416.68	8,652.08
Lilydale	18		10,285.75	1,431.49	11,717.24
Little Canada	280	19	170,333.14	23,754.22	194,087.36
Long Lake	79		44,980.16	17,361.24	62,341.40
Mahtomedi	128		72,959.52	10,166.23	83,125.75
Maple Grove	670		381,691.80	69,728.56	451,420.36
Maple Plain	79		44,980.16	-	44,980.16
Maplewood	1,570	199	1,007,802.12	140,549.20	1,148,351.32
Medicine Lake	10		5,702.46	794.07	6,496.53
Medina	60		34,161.47	1,758.89	35,920.36
Mendota Heights	405		230,709.83	32,173.24	262,883.07
Minneapolis	23,600		13,444,749.96	1,874,998.94	15,319,748.90
Minnetonka	1,540		877,326.22	338,436.35	1,215,762.57
Minnetonka Beach	24		13,643.27	5,274.27	18,917.54
Mound	400		227,885.25	87,906.11	315,791.36
Minnetrista	64		36,453.11	14,063.92	50,517.03
Moundsview	445		253,519.68	46,312.35	299,832.03
New Brighton	790		450,068.03	82,217.37	532,285.40
New Hope	920		524,093.44	73,092.03	597,185.47
Newport	122		69,495.40	7,327.71	76,823.11
North Oaks	14		7,994.11	1,112.78	9,106.89
North St. Paul	495	11	288,245.28	40,204.60	328,449.88
Oakdale	560	59	352,629.80	49,176.89	401,806.69
Oak Park Heights	115		65,551.65	6,907.21	72,458.86
Orono	195		111,064.74	42,854.35	153,919.09
Osseo	119		67,790.00	12,384.94	80,174.94
Plymouth	1,780		1,014,078.70	141,419.66	1,155,498.36
Prior Lake	295		168,036.05	64,830.88	232,866.93
Richfield	1,000		569,713.12	79,449.98	649,163.10
Robbinsdale	495		281,978.68	39,325.25	321,303.93
Rosemount	130		74,078.70	7,807.99	81,886.69
Roseville	1,590	51	934,839.47	130,378.88	1,065,218.35

<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	390		222,182.79	30,984.84	253,167.63
St. Louis Park	2,390		1,361,555.73	189,879.40	1,551,435.13
St. Paul	19,700	(372)	11,010,997.03	1,535,595.46	12,546,592.49
St. Paul Park	140		79,781.16	8,408.97	88,190.13
Savage	175		99,659.82	-	99,659.82
Shakopee	750		427,258.19	164,822.75	592,080.94
Shoreview	670		381,691.81	55,937.48	437,629.29
Shorewood	190		108,293.45	41,755.64	150,049.09
South St. Paul	2,450		1,395,717.20	147,153.17	1,542,870.37
Spring Park	112		63,792.95	24,612.46	88,405.41
Spring Lake Park	198		112,823.45	20,606.28	133,429.73
St. Bonifacius	27		15,348.68	5,934.46	21,283.14
Stillwater	800		455,770.49	-	455,770.49
Stillwater Twp.	1		586.24	-	586.24
Tonka Bay	70		39,863.93	15,383.09	55,247.02
Vadnais Heights	235	8	138,432.12	19,304.28	157,736.40
Victoria	51		29,045.24	11,207.52	40,252.76
Wayzata	270		153,806.55	59,337.34	213,143.89
West St. Paul	900		512,741.81	71,503.90	584,245.71
White Bear Lake	730	17	425,538.02	59,349.98	484,888.00
White Bear Twp.	160		91,186.08	12,710.48	103,896.56
Willernie	16		9,113.28	1,274.83	10,388.11
Woodbury	540		307,613.10	42,901.26	350,514.36
Lino Lakes	23		13,110.33	2,393.76	15,504.09
Waconia	130		74,078.70	28,568.77	102,647.47
Centerville	28		15,934.91	2,913.79	18,848.70
Total	93,549	-0-	\$53,294,024.22	\$8,238,951.30	\$61,532,975.52

## Construction Fund - Revenues & Expenditures

		<u>Total Program</u>
FUND BALANCE - December 31, 1980		\$16,743,473
REVENUES:		
Certified Federal Grants (Schedule 8)	\$28,043,234	
Less:		
Contingency Reserve for Final Audits	<u>350,000</u>	
Net Certified Federal Grants		\$27,693,234
Certified State Grants (Schedule 9)		5,606,643
Anticipated Grants (Schedule 10)		33,540,000
Investment Income (Schedule 11)		2,750,000
Miscellaneous		4,520,000
Due from Local Governments		354,000
Transfer from SAC Fund		<u>4,880,000</u>
Total Estimated Revenues		\$79,343,877
EXPENDITURES:		
Previously Authorized Projects		
Encumbered Balance (Schedule 12)	\$ 26,807,302	
Unencumbered Balance (Schedule 12)	123,078,902	
Appro. Adjustments (Schedule 12)	<u>(9,210,961)</u>	
Total Previously Authorized Projects		140,675,243
Total New Projects (Schedule 13)		<u>5,660,300</u>
Total Estimated Expenditures		\$146,335,543
Local Fund Applied (expenditures - revenues)		<u>\$66,991,666</u>
ESTIMATED FUND BALANCE		<u>\$(50,248,193)</u>

CERTIFIED FEDERAL GRANTS

Project No.	Grant	Project	Total Grant Amount	Earned As of 12/31/80	Balance Due	Estimated Amount 1981	Estimated Amount 1982
74-01(400)	000-01	MWTP - Sludge Thickening	\$ 22,879,150	\$ 22,608,983	\$ 270,167	\$ 150,000	\$ 120,167
(401&402)	000-02	MWTP - Sludge Thermal Cond.	26,100,875	25,768,357	332,518	300,000	32,518
(403)	000-04	MWTP - Digital Control System	6,419,925	4,609,314	1,810,611	975,000	750,000
(404&406)	000-03	MWTP - Roll Type Presses	10,018,500	9,276,781	741,719	52,500	487,500
(407)	000-05	MWTP - Sludge Incin. Equip.	7,081,800	6,618,389	463,411	400,000	63,411
(408)	000-06	MWTP - Sludge Processing	53,985,000	46,328,285	7,656,715	7,656,715	-0-
71-03	050-02	Lakeville-Farmington	13,521,129	13,371,129	150,000	150,000	-0-
71-09	666-02	Metro Compressors	2,268,075	2,138,712	129,363	129,363	-0-
201	999-01	Facilities Planning Study	4,194,075	3,730,151	463,924	463,924	-0-
201	999-02	Facilities Planning Study	2,692,725	2,353,636	339,089	135,441	203,648
201	999-03	Facilities Planning Study	417,563	177,338	240,225	127,475	100,000
79-79	999-04	Metro Area I/I Analysis	2,655,000	-0-	2,655,000	937,500	937,500
72-02	091-01	MWTP - Compressor Building	11,635,350	5,582,053	6,053,297	5,175,000	878,297
76-07	100-01	MWTP - Retrofit Process Control Step II	1,424,100	130,376	1,293,724	950,000	343,724
77-06	001-01	Seneca Sludge Dewatering (Eqpt. Procurement)	219,525	-0-	219,525	15,000	204,525
79-06	008-01	Hastings Plant Impr. Step II	376,575	9,693	366,882	350,000	16,882
71-29	093-01	MWTP - Warehouse - Step III	3,838,200	-0-	3,838,200	1,898,924	1,939,276
72-07	104-01	Seneca Maintenance & Dispatch Bldg. Step II	226,875	61,211	165,664	150,000	15,664
79-80	103-01	MWTP Add'l Second. Treat. Fac'l. Step II	853,200	-0-	853,200	853,200	-0-
		Totals	<u>\$170,807,642</u>	<u>\$142,764,408</u>	<u>\$ 28,043,234</u>	<u>\$ 20,870,042</u>	<u>\$ 6,093,112</u>

CERTIFIED STATE GRANTS

Project No.	Grant	Project	Total Grant Amount	Earned As of 12/31/80	Balance Due	Estimated Amount 1981	Estimated Amount 1982
74-01(400)	0001-01	MMWTP - Sludge Thickening	\$ 4,575,830	\$ 4,521,797	\$ 54,033	\$ 30,000	\$ 24,033
(401&402)	000-02	MMWTP - Sludge Thermal Cond.	5,220,175	5,153,671	66,504	60,000	3,504
(403)	000-04	MMWTP - Digital Control System	1,283,985	921,862	362,123	195,000	150,000
(404&406)	000-03	MMWTP - Roll Type Presses	2,003,700	1,855,356	148,344	10,500	97,500
(407)	000-05	MMWTP - Sludge Incin. Equip.	1,416,360	1,323,678	92,682	80,000	12,622
(408)	000-06	MMWTP - Sludge Processing	10,797,000	9,265,657	1,531,343	1,531,343	-0-
71-03							
(410-413)	050-02	Lakeville-Farmington	2,704,226	2,676,226	28,000	28,000	-0-
71-09	666-02	Metro Compressors	453,615	427,742	25,873	25,873	-0-
201	999-01	Facilities Planning Study	838,815	746,030	92,785	92,785	-0-
201	999-02	Facilities Planning Study	538,545	470,727	67,818	37,089	30,729
201	999-03	Facilities Planning Study	83,513	35,467	48,046	15,497	30,000
79-79	999-04	Metro Area I/I Analysis	531,000	-0-	531,000	187,500	187,500
72-02	091-01	MMWTP - Compressor Bldg.	2,327,070	1,116,417	1,210,653	1,035,000	175,663
76-07	100-01	MMWTP - Retrofit Process Control Step II	284,820	26,075	258,745	190,000	68,745
77-06	001-01	Seneca Sludge Dewatering (Eqpt. Proc.)	43,905	-0-	43,905	3,000	40,905
79-06	008-01	Hastings Plant Impr. - Step II	75,315	1,939	73,376	70,000	3,376
71-29	093-01	MMWTP Warehouse-Step III	767,640	-0-	767,640	379,785	387,855
72-07	104-01	Seneca Maintenance & Dispatch Bldg. Step II	45,375	12,242	33,133	30,000	3,133
79-80	103-01	MMWTP Add'l Secon. Treat. Facil. Step II	170,640	-0-	170,640	170,640	-0-
		<b>Totals</b>	<b>\$34,161,529</b>	<b>\$28,554,886</b>	<b>\$ 5,606,643</b>	<b>\$ 4,172,012</b>	<b>\$ 1,215,555</b>



ANTICIPATED GRANTS

(Federal & State Combined)

<u>Project</u>	<u>Name</u>	<u>Grant Income</u>
79-80	MWWTP - Additional Secondary Treatment Facilities Step III	<u>\$33,540,000</u>
	Total	<u>\$33,540,000</u>

# SUMMARY OF INVESTMENT INCOME

Investment earnings for period  
January through December, 1981  
\$10 million x 12.5% \$ 1,250,000

Investment earnings for period  
January through December, 1982  
based on average investment balance  
of \$6 million and yield of 12.5% 750,000

Investment earnings for period  
January through December, 1983  
based on average investment balance  
of \$4 million and yield of 12.5% 500,000

Investment earnings for period  
January through December, 1984  
based on average investment balance  
of \$2 million and yield of 12.5% 250,000

Total \$ 2,750,000

FINANCIAL STATUS - CURRENT PROJECTS

Program No.	Project	Step Approval	Previously Appropriated	Additional Appropriations	Total Appropriations	Expenditures As of 12/31/80	Encumbered Balance	Unencumbered Balance
71-03	Lakeville-Farmington	III	\$ 19,150,000	\$ -0-	\$ 19,150,000	\$ 18,773,159	\$ 1,861	\$ 374,980
71-06	MWWTP-Pretreatment	III	15,440,115	-0-	15,440,115	15,228,725	47,813	163,577
71-08	MWWTP-Aeration & Final	III	51,000,500	-0-	51,000,500	50,837,257	130,450	32,793
71-09	MWWTP-Compressors	III	3,415,000	-0-	3,415,000	2,903,799	504,231	6,970
71-29	MWWTP-Warehouse	III	5,110,000	-0-	5,110,000	231,899	57,840	4,820,261
71-32	Little Canada-Shoreview	III	3,800,000	-0-	3,800,000	3,696,737	51,064	52,199
72-02	MWWTP-Compressor Bldg.	III	16,540,000	(1,000,000)	15,540,000	7,606,548	7,614,140	319,312
72-04	Cottage Grove Exp.	III	1,350,000	-0-	1,350,000	1,292,054	12,430	45,516
72-07	Maintenance & Dispatch Bldg.	II	350,000	-0-	350,000	198,690	12,837	138,473
73-02	MWWTP-Sludge Disposal	II	8,416,000	-0-	8,416,000	8,367,120	2,399	46,481
74-01	MWWTP-Sludge Disposal	III						
(400)	Sludge Thickening Facilities	III	29,759,196	-0-	29,759,196	29,496,490	51,498	211,208
(401)	Sludge Thermal Cond. & Dewatering Equipment	III	17,160,747	250,000	17,410,747	16,785,423	-0-	625,324
(402)	Sludge Cond. & Storage Fac.	III	17,087,680	-0-	17,087,680	16,914,892	-0-	172,788
(403)	Digital Acquisition & Control System	III	9,685,664	-0-	9,685,664	5,645,016	2,399,366	1,641,282
(404)	Roll Type Cont. Presses & Accessories for Sludge Dewatering	III	4,029,880	-0-	4,029,880	3,328,776	596,205	104,899
(406)	Sludge Dewatering Bldg.	III	9,139,333	-0-	9,139,333	8,518,642	312,577	308,114
(407)	Sludge Processing Equipment	III	9,700,781	-0-	9,700,781	8,655,354	820,314	225,113
(408)	Sludge Processing Bldg.	III	103,480,000	-0-	103,480,000	60,847,254	10,652,746	31,980,000
(409)	Computer Building	III	2,100,000	-0-	2,100,000	2,061,243	-0-	38,757
74-01 Total			200,104,217	2,039,064	202,143,281	152,253,090	14,832,706	35,057,485
74-07	Blue Lake Sludge	I	2,575,039	(375,961)	2,199,078	2,179,310	-0-	19,768
74-10	Metro Disposal System Improve.	III	1,696,000	-0-	1,696,000	1,471,461	86,694	137,845
75-01	Ultimate Disposal Site	I	1,594,798	80,000	1,674,798	1,259,715	52,170	362,913
75-10	Engineering Services - NPDES Permits	I	120,000	-0-	120,000	57,260	316	62,424
75-50	Metro Planning	I	1,017,488	-0-	1,017,488	605,898	-0-	411,590
76-05	Metro System Emergency	III	1,500,000	-0-	1,500,000	1,200,834	195,414	103,752
76-07	MWWTP Retrofit Process Control	II	2,000,000	-0-	2,000,000	599,737	855,586	544,677
76-13	Environmental Inventory & Ass.	I	749,202	-0-	749,202	389,420	83,015	276,767
76-17	Air Quality Monitoring	II	273,988	-0-	273,988	109,153	77,508	87,327
76-55	Combined Sewer Study	I	2,718,600	-0-	2,718,600	2,415,048	151,226	152,326
77-01	Riverview Siphon System	III	2,050,000	-0-	2,050,000	1,980,407	46,290	23,303
77-03	EPA 208 Match	I	675,000	-0-	675,000	470,148	-0-	204,852
77-05	Beltline Reg./Intcp. Improve.	II	300,000	-0-	300,000	1,495	-0-	298,505
77-06	Seneca Sludge Dewatering	III	850,000	-0-	850,000	76,290	295,691	478,019

Program Nb.	Project	Step Approval	Previously Appropriated	Additional Appropriations	Total Appropriations	Expenditures As of 12/31/80	Encumbered Balance	Unencumbered Balance
77-07	Anoka Interceptor	III	\$ 4,473,000	\$ -0-	\$ 4,473,000	\$ 187,408	\$ 50,966	\$ 4,234,626
78-01	Future System Configuration	I	524,363	-0-	524,363	469,644	4,257	50,462
78-02	F & I #1 Scrubbers	III	1,672,700	-0-	1,672,700	1,646,564	-0-	26,136
78-03	Interim Sludge Disposal	III	1,885,000	-0-	1,885,000	695,171	12,396	1,177,433
78-04	Bloomington Intcp. Reloc.	III	756,086	-0-	756,086	24,769	638,556	92,761
79-06	Hastings Plant Improvement	II	8,093,625	(7,380,000)	713,625	538,895	-0-	174,730
79-07	MWWTP Pilot Plant Studies	I	500,000	(500,000)	-0-	-0-	-0-	-0-
79-08	Minneapolis East & West Met.	III	680,000	-0-	680,000	623,552	35,680	20,768
79-10	201 Facilities Planning	I	200,000	-0-	200,000	82,991	-0-	117,009
79-50	Stipulation Agreement-Metro	I	405,000	-0-	405,000	239,723	-0-	165,277
79-79	I/I Analysis-Community Grants	III	2,500,000	1,040,000	3,540,000	10,732	-0-	3,529,268
79-80	MWWTP Additional Secondary Treatment Facility	III	54,750,000	-0-	54,750,000	38,878	953,766	53,757,356
81-51	Lake Gervais Interceptor	II	600,000	-0-	600,000	-0-	-0-	600,000
81-52	Seneca-Sludge Handling Facility	II	250,000	-0-	250,000	-0-	-0-	250,000
81-53	MWWTP-Central Lab	II	1,000,000	(1,000,000)	-0-	-0-	-0-	-0-
81-54	MWWTP-Screen & Grit	II	600,000	(600,000)	-0-	-0-	-0-	-0-
81-55	MWWTP-Service & Utility Improve.	II	800,000	(800,000)	-0-	-0-	-0-	-0-
81-56	MWWTP - F & I #2 Improve.	II	125,000	(125,000)	-0-	-0-	-0-	-0-
81-57	MWWTP-Rehab. Proj. Primary Settling Tanks	II	700,000	(700,000)	-0-	-0-	-0-	-0-
81-58	MWWTP Rehab. Proj. Aeration Tanks/ Gallery/Final Settling Tanks	II	500,000	(500,000)	-0-	-0-	-0-	-0-
81-59	MWWTP Rehab. Proj. Comp. Bldg.	II	100,000	(100,000)	-0-	-0-	-0-	-0-
81-60	MWWTP Rehab. Proj. Sludge Concen- tration Tanks	II	100,000	(100,000)	-0-	-0-	-0-	-0-
81-61	MWWTP Rehab. Proj. Gravity Thick- ening and Sludge Hold. Tanks	II	300,000	(300,000)	-0-	-0-	-0-	-0-
81-62	MWWTP Rehab. Proj.-Oper. Center	II	100,000	(100,000)	-0-	-0-	-0-	-0-
81-63	Planning, Prog. Bud. Systems	II	200,000	-0-	200,000	-0-	-0-	200,000
81-64	Meter Station Improvements	III	1,000,000	-0-	1,000,000	-0-	-0-	1,000,000
81-65	Misc. Capital Improvements	III	1,000,000	3,000,000	4,000,000	-0-	-0-	4,000,000
	Totals		<u>\$428,649,785</u>	<u>\$ (9,210,961)</u>	<u>\$419,438,824</u>	<u>\$278,763,581</u>	<u>\$26,807,302</u>	<u>\$113,867,941</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. The computer system has been installed and is in operation. The demonstration phase will run until early in 1982. The project is in litigation.

#### 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	12-31-80	13,371,129	2,676,226	2,725,804	18,773,159
During	1981	150,000	28,000	98,841	276,841
During	1982	-0-	-0-	100,000	100,000
Totals		<u>13,521,129</u>	<u>2,704,226</u>	<u>2,924,645</u>	<u>19,150,000</u>

### Project 71-06 MWWTP - Pretreatment

Description: Project originally scheduled to be completed in 1978. The problem of oscillation with the four (4) 72" diameter magnetic flow meters resulted in Change Order No. 32 for meter number four. If successful a change order will be required for meter nos. 1, 2, & 3. This project will probably continue into 1982.

Status: It appears that meter number four is functioning properly and the Commission will proceed with change orders for meters nos. 1, 2, & 3. Completion is expected early 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	12-31-80	11,369,972	2,273,994	1,584,759	15,228,725
During	1981	-0-	-0-	161,390	161,390
During	1982	-0-	-0-	50,000	50,000
Totals		<u>11,369,972</u>	<u>2,273,994</u>	<u>1,796,149</u>	<u>15,440,115</u>

### Project 71-08 MWWTP - Aeration and Final Tanks

Description: Litigation with the contractor over piling, jetting and associated costs will result in the project extending into 1982. The project was originally scheduled to be completed in 1978.

Status: The litigation and associated costs will extend into 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	12-31-80	38,095,082	7,619,016	5,123,159	50,837,257
During	1981	-0-	-0-	100,000	100,000
During	1982	-0-	-0-	63,243	63,243
		<u>38,095,082</u>	<u>7,619,016</u>	<u>5,286,402</u>	<u>51,000,500</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. The equipment has been manufactured and tested. It will be delivered and installed in the spring of 1982 when the Compressor Building (project 72-02) is ready to receive the units.

#### 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	12-31-80	2,138,712	427,742	337,345	2,903,799
During	1981	129,363	25,873	144,764	300,000
During	1982	-0-	-0-	211,201	211,201
Totals		<u>2,268,075</u>	<u>453,615</u>	<u>693,310</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 will commence in 1981 and completion is scheduled for 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	12-31-80	-0-	-0-	231,899	231,899
During	1981	1,898,924	379,785	21,291	2,300,000
During	1982	1,939,276	387,855	250,970	2,578,101
Totals		<u>3,838,200</u>	<u>767,640</u>	<u>504,160</u>	<u>5,110,000</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 cost 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: Scheduled to be completed early 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	12-31-80	2,686,493	537,299	472,945	3,696,737
During	1981	-0-	-0-	75,000	75,000
During	1982	-0-	-0-	28,263	28,263
Totals		<u>2,686,493</u>	<u>537,299</u>	<u>576,208</u>	<u>3,800,000</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 amended in the spring of 1980 and scheduled for completion 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	12-31-80	5,582,053	1,116,411	908,084	7,606,548
During	1981	5,175,000	1,035,000	665,000	6,875,000
During	1982	<u>878,297</u>	<u>175,653</u>	<u>4,502</u>	<u>1,058,452</u>
Totals		<u>11,635,350</u>	<u>2,327,064</u>	<u>1,577,586</u>	<u>15,540,000</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.

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 Sources of Funds:

	<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to	12-31-80	61,211	12,242	125,237	198,690
During	1981	150,000	30,000	(55,000)	125,000
During	1982	<u>15,664</u>	<u>3,133</u>	<u>7,513</u>	<u>26,310</u>
Totals		<u>226,875</u>	<u>45,375</u>	<u>77,750</u>	<u>350,000</u>



### Project 73-02 MWWTP - Sludge Disposal

Description: These additional Step II costs for the sludge disposal projects are due to additional design services that have been required.

Status: Scheduled to be completed early 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	12-31-80	6,271,982	1,254,396	840,742	8,367,120
During	1981	-0-	-0-	25,000	25,000
During	1982	-0-	-0-	23,880	23,880
Totals		<u>6,271,982</u>	<u>1,254,396</u>	<u>889,622</u>	<u>8,416,000</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: The project is nearly complete and undergoing start up and performance testing and will be complete 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	12-31-80	22,608,983	4,521,797	2,365,710	29,496,490
During	1981	150,000	30,000	20,000	200,000
During	1982	<u>120,167</u>	<u>24,033</u>	<u>(81,494)</u>	<u>62,706</u>
Totals		<u>22,879,150</u>	<u>4,575,830</u>	<u>2,304,216</u>	<u>29,759,196</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 awarded in 1977, completion will be in 1981 and will be operational 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 12-31-80	12,954,937	2,590,987	1,239,499	16,785,423
During 1981	150,000	30,000	120,000	300,000
During 1982	17,172	3,435	304,717	325,324
Totals	<u>13,122,109</u>	<u>2,624,422</u>	<u>1,664,216</u>	<u>17,410,747</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 awarded in February, 1977; estimated completion in 1981 and will be operational 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 12-31-80	12,813,420	2,562,684	1,538,788	16,914,892
During 1981	150,000	30,000	(130,000)	50,000
During 1982	15,346	3,069	104,373	122,788
Totals	<u>12,978,766</u>	<u>2,595,753</u>	<u>1,513,161</u>	<u>17,087,680</u>

Project 79-08 Minneapolis East & West Metering Stations

Description: The project consists of improvements to the electrical, structural and mechanical system for both metering stations plus the Grand Avenue Lift Station located in South St. Paul. These improvements will correct the existing personnel safety hazards and bring the facilities up to code.

Status: Construction will be completed in 1981.

Project 79-08 Minneapolis East & West Metering Stations (continued)

Annual Expenditures and Source of Funds

	<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to	12-31-80	623,552	623,552
During	1981	<u>56,448</u>	<u>56,448</u>
Totals		<u>680,000</u>	<u>680,000</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	12-31-80	4,609,314	921,862	113,840	5,645,016
During	1981	975,000	195,000	130,000	1,300,000
During	1982	750,000	150,000	100,000	1,000,000
During	1983	<u>85,611</u>	<u>17,123</u>	<u>1,637,914</u>	<u>1,740,648</u>
Totals		<u>6,419,925</u>	<u>1,283,985</u>	<u>1,981,754</u>	<u>9,685,664</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 1982; 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	12-31-80	2,815,163	563,032	(49,419)	3,328,776
During	1981	37,500	7,500	5,000	50,000
During	1982	187,500	37,500	25,000	250,000
During	1983	<u>85</u>	<u>17</u>	<u>401,002</u>	<u>401,104</u>
Totals		<u>3,040,248</u>	<u>608,049</u>	<u>381,583</u>	<u>4,029,880</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 awarded December 1977; estimated completion date 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	12-31-80	6,461,618	1,292,324	764,700	8,518,642
During	1981	15,000	3,000	2,000	20,000
During	1982	300,000	60,000	(60,000)	300,000
During	1983	201,634	40,327	58,730	300,691
Totals		<u>6,978,252</u>	<u>1,395,651</u>	<u>765,430</u>	<u>9,139,333</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. Completion date August 1981. Operational date fall of 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	12-31-80	6,618,389	1,323,678	713,287	8,655,354
During	1981	400,000	80,000	220,000	700,000
During	1982	63,411	12,622	269,334	345,427
Totals		<u>7,081,800</u>	<u>1,416,360</u>	<u>1,202,621</u>	<u>9,700,781</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 to be summer, 1982.

Project 74-01 (408) Sludge Processing Building, 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	12-31-80	46,328,285	9,265,657	5,253,312	60,847,254
During	1981	7,656,715	1,531,343	8,811,942	18,000,000
During	1982	-0-	-0-	18,000,000	18,000,000
During	1983	-0-	-0-	6,632,746	6,632,746
Totals		<u>53,985,000</u>	<u>10,797,000</u>	<u>38,698,000</u>	<u>103,480,000</u>

Project 74-01 (409) Computer Rooms for Digital Acquisition and Control Systems, MWWTP

Description: Includes a building adjacent to the Administration Building to house the central computer. Also includes finish of computer rooms in Pretreatment Facilities and Secondary Control Buildings.

Status: Project was awarded in February 1979 with an estimated completion date in early 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	12-31-80	1,518,763	303,752	238,728	2,061,243
During	1981	-0-	-0-	30,000	30,000
During	1982	-0-	-0-	8,757	8,757
		<u>1,518,763</u>	<u>303,752</u>	<u>277,485</u>	<u>2,100,000</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, Phase II. On-site processing facilities include gravity thickeners, anaerobic digester, dewatering units, waste liquor treatment system, odor control system, and related support structures. Ultimate disposal will be to agricultural land for fertilization and soil conditioning. The land spreading site will have sludge storage facilities and an equipment storage areas. An alternative to incinerate the sludge is being considered because it probably will not be possible to implement the land application plan. The Blue Lake Project therefore, will be either land application or incineration.

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

### Project 74-07 Blue Lake Sludge (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	12-31-80	-0-	-0-	2,179,310	2,179,310
During	1981	-0-	-0-	15,000	15,000
During	1982	-0-	-0-	4,768	4,768
Totals		<u>-0-</u>	<u>-0-</u>	<u>2,199,078</u>	<u>2,199,078</u>

### Project 74-10 Metro Disposal System Improvements

Description: Implementation of major improvements to the Metropolitan Disposal System have been delayed beyond original scheduling by reduced federal funds, the Federal Water Pollution Control Act Amendments of 1972, and the uncertainty of applicable water quality standards. As a result of these factors, as well as the enactment of the OSHA requirements, it is necessary to provide improvements not originally planned in the previously mentioned improvements projects. The project consists of numerous improvements to the interceptor system and the waste treatment plants to aid in the future effective operation of the Metropolitan Disposal System.

Status: The engineering and construction is an on-going process and will be completed in 1982.

#### Annual Expenditures and Source of Funds:

	<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to	12-31-80	1,471,461	1,471,461
During	1981	174,539	174,539
During	1982	50,000	50,000
Totals		<u>1,696,000</u>	<u>1,696,000</u>

### Project 75-01 Residual Solids Management

Description: The objective of the study is to develop a technically, economically, and environmentally acceptable system for 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.

Status: Initiated study spring of 1977 with completion in 1982.

### Project 75-01 Residual Solids Management (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	12-31-80	944,786	188,957	125,972	1,259,715
During	1981	150,000	30,000	20,000	200,000
During	1982	153,812	30,762	20,509	205,083
During	1983	<u>7,500</u>	<u>1,500</u>	<u>1,000</u>	<u>10,000</u>
Totals		<u>1,256,098</u>	<u>251,219</u>	<u>167,481</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	12-31-80	57,260	57,260
During	1981	20,000	20,000
During	1982	<u>42,740</u>	<u>42,740</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	12-31-80	605,898	605,898
During	1981	180,000	180,000
During	1982	<u>231,590</u>	<u>231,590</u>
Totals		<u>1,017,488</u>	<u>1,017,488</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 1982.

#### Annual Expenditures and Source of Funds:

	<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to	12-31-80	1,200,834	1,200,834
During	1981	250,000	250,000
During	1982	49,166	49,166
Totals		<u>1,500,000</u>	<u>1,500,000</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 upmost in efficiency of operations.

Status: The Step II design work will be initiated in mid 1980 and completed in early 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	12-31-80	130,376	26,075	443,286	599,737
During	1981	950,000	190,000	(140,000)	1,000,000
During	1982	343,724	68,745	(12,206)	400,263
Totals		<u>1,424,100</u>	<u>284,820</u>	<u>291,080</u>	<u>2,000,000</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 the fall of 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	12-31-80	292,065	58,413	38,942	389,420
During	1981	187,500	37,500	25,000	250,000
During	1982	82,336	16,467	10,979	109,782
Totals		<u>561,901</u>	<u>112,380</u>	<u>74,921</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 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	12-31-80	1,811,286	362,257	241,505	2,415,048
During	1981	212,664	42,533	28,355	283,552
During	1982	15,000	3,000	2,000	20,000
Totals		<u>2,038,950</u>	<u>407,790</u>	<u>271,860</u>	<u>2,718,600</u>

Project 77-03 Matching Funds by the MWCC for an EPA 208 Program

Description: The 208 Program will produce a 20 year plan, staged in five-year interval to provide the Metropolitan Area of the Twin Cities with an adequate wastewater handling plan. The plan will deal with the location and general sizing of trunk line interceptors and wastewater treatment plants plus the handling of plant residuals. An appropriate management and financial program will also be prepared.

In addition to the 20 year plan, the current 208 grant will allow for a substantial amount of "verification" work on a river load allocation model applicable to the Mississippi River below downtown St. Paul.

Status: This work is being conducted by the Metro Council staff. It appears the work will be completed in 1982.

Project 77-03 Matching Funds by the MWCC for an EPA 208 Program (continued)

Annual Expenditures and Source of Funds:

	<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to	12-31-80	470,148	470,148
During	1981	170,000	170,000
During	1982	<u>34,852</u>	<u>34,852</u>
Totals		<u>675,000</u>	<u>675,000</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 1982.

Annual Expenditures and Source of Funds:

	<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to	12-31-80	1,495	1,495
During	1981	100,000	100,000
During	1982	<u>198,505</u>	<u>198,505</u>
Totals		<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 to Parkson Corporation for a belt filter press for \$280,000. The plans and specifications for the installation of this device have been submitted for funding.

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	12-31-80	-0-	-0-	76,290	76,290
During	1981	15,000	3,000	2,000	20,000
During	1982	<u>204,525</u>	<u>40,905</u>	<u>508,280</u>	<u>753,710</u>
Totals		<u>219,525</u>	<u>43,905</u>	<u>586,570</u>	<u>850,000</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 is scheduled during 1981 with completion in early 1983.

#### Annual Expenditures and Source of Funds:

	<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to	12-31-80	187,408	187,408
During	1981	500,000	500,000
During	1982	3,000,000	3,000,000
During	1983	<u>785,592</u>	<u>785,592</u>
Totals		<u>4,473,000</u>	<u>4,473,000</u>

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

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

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".
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 the fall of 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	12-31-80	352,233	70,446	46,965	469,644
During	1981	26,039	5,208	3,472	34,719
During	1982	<u>15,000</u>	<u>3,000</u>	<u>2,000</u>	<u>20,000</u>
Totals		<u>393,272</u>	<u>78,654</u>	<u>52,437</u>	<u>524,363</u>

### Project 78-02 MWWTP F & I No. 1 Air Pollution Control Equipment

Description: This project consists of the installation of impingement type scrubbers and apputenant equipment for each of the four incinerators in Filtration and Incineration Building No. 1 at the Metropolitan Wastewater Treatment Plant.

On December 7, 1977 the U. S. Environmental Protection Agency (EPA) issued a Notice of Violation in which they alleged that the incinerator operations of F & I No. 1 did not comply with Minnesota Air Pollution Control Regulations APC-7 and APC-11. The effect of installing the proposed air pollution equipment will be to bring the incinerator operation of F & I No. 1 in compliance with the state standards as set forth by the Minnesota Pollution Control Agency (MPCA).

Status: Bids have been received for purchase of the four scrubbers and induced draft fans and contracts are in the process of being executed. Bids were received on June 22, 1978 for the installation of the scrubber, fans and other appurtenant equipment. Construction will be completed by March, 1982.

#### Annual Expenditures and Source of Funds:

	<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to	12-31-80	1,646,564	1,646,564
During	1981	15,000	15,000
During	1982	11,136	11,136
Totals		<u>1,672,700</u>	<u>1,672,700</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 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	12-31-80	504,525	100,905	89,741	695,171
During	1981	-0-	-0-	500,000	500,000
During	1982	-0-	-0-	689,829	689,829
Totals		<u>504,525</u>	<u>100,905</u>	<u>1,279,570</u>	<u>1,885,000</u>

### Project 78-04 Bloomington Interceptor Relocation

Description: The project consists of two segments: (1) the relocation of 4600 feet of interceptor from the existing lift station and a long and within the right-of-way of the proposed freeway T. H. 36; and (2) 1400 foot relocation off from Minnesota Department of Transportation's right-of-way south of Old Shakopee Road.

Status: The project is essentially completed and will be finalized in 1982.

#### Annual Expenditures and Source of Funds:

	<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to	12-31-80	24,769	24,769
During	1981	30,000	30,000
During	1982	<u>701,317</u>	<u>701,317</u>
Totals		<u>756,086</u>	<u>756,086</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.

#### 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	12-31-80	9,693	1,939	527,263	538,895
During	1981	350,000	70,000	(370,000)	50,000
During	1982	<u>16,882</u>	<u>3,376</u>	<u>104,472</u>	<u>124,730</u>
Totals		<u>376,575</u>	<u>75,315</u>	<u>261,735</u>	<u>713,625</u>

### Project 79-10 201 Facilities Planning - Public Participation

Description: Public Participation Program is designed to encourage and provide for public involvement in governmental decisions. This involves identifying particular segments of the public and becoming aware of their attitudes. Once aware of the attitudes of both general and specific publics the public participation staff provides ample opportunities for interested and affected parties to communicate their views. Along with providing access to the decision making process the public participation staff seeks out opportunities to encourage dialogue and input. The public is communicated the status of various studies and programs at an early stage. Thus, the public is able to

Project 79-10 201 Facilities Planning - Public Participation (continued)

Description: (cont.) understand and comprehend issues and they are able to see the possible long term and short term impacts on their daily life. There must be ample consideration of public feelings before the decision is reached. To accomplish this the public participation staff makes use of all legitimate informational devices and targets this information to specific segments of the public. Supports 201 studies 76-25 Southeast Area Study and 76-26, Southwest Suburban Area Study.

Status: Will 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	12-31-80	62,243	12,449	8,299	82,991
During	1981	45,007	9,002	6,000	60,009
During	1982	37,500	7,500	5,000	50,000
During	1983	<u>5,250</u>	<u>1,049</u>	<u>701</u>	<u>7,000</u>
Totals		<u>150,000</u>	<u>30,000</u>	<u>20,000</u>	<u>200,000</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 early 1982.

Annual Expenditures and Source of Funds:

	<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to	12-31-80	239,723	239,723
During	1981	150,000	150,000
During	1982	<u>15,277</u>	<u>15,277</u>
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.

Project 79-79 I/I Analysis - Community Grants (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	12-31-80	8,049	1,610	1,073	10,732
During	1981	937,500	187,500	125,000	1,250,000
During	1982	937,500	187,500	125,000	1,250,000
During	1983	<u>771,951</u>	<u>154,390</u>	<u>102,927</u>	<u>1,029,268</u>
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 1981.

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	12-31-80	-0-	-0-	38,878	38,878
During	1981	853,200	170,640	476,160	1,500,000
During	1982	15,000,000	3,000,000	2,000,000	20,000,000
During	1983	10,500,000	3,000,000	6,500,000	20,000,000
During	1984	<u>-0-</u>	<u>2,040,000</u>	<u>11,171,122</u>	<u>13,211,122</u>
Totals		<u>26,353,200</u>	<u>8,210,640</u>	<u>20,186,160</u>	<u>54,750,000</u>

Project 81-51 Lake Gervais Interceptor

Description: The project provides for a new gravity interceptor starting from the Beltline Interceptor near Highway 61 and 36 and in a north westerly direction to the north west side of Lake Gervais where the propose interceptor will connect to existing interceptors and thereby allow the Lake Gervais Lift Station to be phased out of service.

Status: It is proposed to initiate plans and specifications in 1981 which will be completed during 1982.

Project 81-51 Lake Gervais Interceptor (continued)

Annual Expenditures and Source of Funds:

	<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
During	1981	200,000	200,000
During	1982	<u>400,000</u>	<u>400,000</u>
Totals		<u>600,000</u>	<u>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.

Status: The project will continue indefinitely.

Annual Expenditures and Source of Funds:

	<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
During	1981	80,000	80,000
During	1982	<u>120,000</u>	<u>120,000</u>
Totals		<u>200,000</u>	<u>200,000</u>

Project 81-64 Meter Station Improvements

Description: The project consists of improvements at 20 meter stations to provide the necessary equipment to meter the flow.

Status: The construction will be completed in 1982.

Annual Expenditures and Source of Funds:

	<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
During	1981	300,000	300,000
During	1982	<u>700,000</u>	<u>700,000</u>
Totals		<u>1,000,000</u>	<u>1,000,000</u>



## Project 81-65 Miscellaneous Capitol Improvements

Description: This program replaces 74-10 and will consist of numerous improvements to the Metropolitan Disposal System to eliminate deficiencies and to provide for effective operation. The program is proposed to consist of miscellaneous projects such as the following:

<u>Project</u>	<u>Project Cost</u>
MWWTP Ash Basin - Consists of one additional basin to provide for ash disposal until permanent facilities are available.	\$ 500,000.00
Mahtomedi Interceptor Improvements - Consists of a new Lift Station and short reaches of gravity and forcemain interceptors.	400,000.00
SP 224 Interceptor Rehabilitation - Consists of improvements to the invert and joints in the upper reaches of the Interceptor.	300,000.00
Hastings Plant Interim Improvements - Consists of additional air equipment (Step III) and additional treatment units (Step II).	100,000.00
Maple Plain Plant Interim Improvements - Consists of chemical equipment and additional treatment units.	200,000.00
Medina Plant Interim Improvements - Consists of new aeration system, and dike improvements.	50,000.00
Chaska Plant Interim Improvements - Consists of heating system, sludge loadout, power factor and outfall improvements	100,000.00
Rosemount Plant Interim Improvements - Consists of H.V.A.C., piping and miscellaneous improvements.	150,000.00
Lift Station Odor Control Improvements - Consists of the installation of odor control equipment in three lift stations.	85,000.00
Orono-Long Lake Plant Demolition - Consists of the demolition of two phased-out plants and lift stations.	65,000.00
St. Paul Lake Overflow Improvements - Consists of the installation of equipment and modifications to meter the flows from 4 lakes.	20,000.00
South St. Paul Plant Interim Improvements - Consists of improvements to the hand rails (Step III) pretreat. units (Step II).	50,000.00
Cottage Grove Plant Improvements - Consists of improvements to the digesters and pretreatment units.	50,000.00
Seneca Plant Improvements - Consists of sludge loadout, H.V.A.C., chlorination and storage improvements (Step III).	50,000.00
Metro Plant Locker Room, Offices/Training Room - Consists of locker room modifications, new offices and training room facilities.	400,000.00
Empire Plant Interim Improvements - Consists of improvements to the digesters, process units and instrumentation system.	150,000.00
<u>Metro Plant Miscellaneous Improvements:</u>	
Building & Grounds - Consists of quality sampling, lighting, alarm, and scum incinerator improvements.	200,000.00
Sludge Presses and Filters - Consists of conveyor, H.V.A.C., alarm, lighting and other improvements to the sludge handling systems.	100,000.00

Project 81-65 Miscellaneous Capital Improvements (continued)

Description: (cont.)

Sludge Incinerator System - Consists of improvements to the sludge loadout, conveyors, floor drains, scrubbers, and odor control in F & I Nos. 1 and 2.	\$ 100,000.00
Aeration and Final Tanks - Consists of improvements to the chlorination system, mixed liquor measurement and return activated sludge systems.	50,000.00
Sludge Thickeners - Consists of improvements to the thickeners units, odor control system, tank drain systems, equipment and instrumentation controls.	100,000.00
Return Liquor Treatment Facilities - Consists of improvements to the RBS units, odor control systems, drain systems and equipment controls and instrumentation.	100,000.00
Heat Treatment and Sludge Storage - consists of improvements to the odor control, high pressure pump, flow measurement, chemical, alarm, steam and acid systems.	200,000.00
Pretreatment Facilities - Consists of improvements to the flow metering, grit removal, bar screens and odor control systems.	100,000.00
Miscellaneous Interceptor Projects - Consists of improvements to interceptors and lift stations which have already been initiated or will be initiated at numerous locations to improve conveyance conditions. These projects are the Champlin Lift Station Improvements, Lower Trout Brook Interceptor, France Avenue Interceptor, New Hope-Plymouth Interceptor Air Relief Valves, Hopkins Forcemain Modifications, Shoreview Interceptor.	380,000.00

Status: The construction is proposed for either 1981 or 1982 for all projects.

Annual Expenditures and Source of Funds:

	<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
During	1981	1,000,000	1,000,000
During	1982	3,000,000	3,000,000
Totals		4,000,000	4,000,000

Project 76-17 Compliance with Air Quality Standards

Description: This project is to design systems on particulate and gas emissions from sewage incinerators.

Status: Step II design work will be completed in the fourth quarter of 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	12-31-80	81,800	16,360	10,993	109,153
During	1981	-0-	-0-	100,000	100,000
During	1982	-0-	-0-	64,835	64,835
Totals		81,800	16,360	175,828	273,988

### Project 81-52 Seneca WWTP-Sludge Handling Facilities

Description: The project will provide for the installation of a second belt filter press to replace the existing two vacuum filter presses. The work will also include the new instrumentation for the two presses and incinerators and improvements to the air floatation thickeners.

Status: The design work will be conducted during 1982.

#### Annual Expenditures and Source of Funds:

	<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
During	<u>1982</u>	<u>250,000</u>	<u>250,000</u>
Totals		<u>250,000</u>	<u>250,000</u>

### Project 72-04 Cottage Grove Treatment Plant

Description: The Cottage Grove Plant Expansion consists of an expansion of the existing Cottage Grove Plant on an interim basis to a capacity of 1.8 mpd and to meet anticipated secondary treatment standards of 25 MG/1BOD and 30MG/1SS.

Status: The construction will be completed in 1981.

#### Annual Expenditures and Source of Funds:

	<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/80		1,292,054	1,292,054
During 1981		<u>57,946</u>	<u>57,946</u>
Totals		<u>1,350,000</u>	<u>1,350,000</u>

### Project 77-01 Riverview Siphon System

Description: The Riverview Siphon System serves the entire City of West St. Paul and a portion of the City of St. Paul's west side. The project involves replacing the existing river crossing which has been plagued with problems for some time. The alternatives, which have been analyzed, include converting the river crossing to a forcemain system using the Riverview Pump Station; diverting flow directly to the South St. Paul river crossing; and replacing the existing three pipes with three new pipes.

Status: This improvement will be completed in 1981.

#### 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 12/31/80		1,381,650	276,330	322,427	1,980,407
During 1981		<u>-0-</u>	<u>-0-</u>	<u>69,593</u>	<u>69,593</u>
Totals		<u>1,381,650</u>	<u>276,330</u>	<u>392,020</u>	<u>2,050,000</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 a 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 71-08 MWWTP-Aeration and Final Tanks

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 approved 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 73-02 MWWTP - Sludge Disposal

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

### Project 74-01 MWWTP - Sludge Disposal

- (400) Sludge Thickening Facilities
- (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.

Project 74-01 MWTP - Sludge Disposal (continued)

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

(409) Computer Building

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

Included by an Amendment to the Waste Management Policy Plan.

Project 74-07 Blue Lake Sludge

Source of Authorization: Included in the Waste Management Policy Plan as a previously approved System Improvement Project.

Project 74-10 Metro Disposal System Improvements

Source of Authorization: Included in the Waste Management Policy Plan as a previously approved System Improvement Project.

Project 75-01 Ultimate Disposal Site

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

Project 75-10 Engineering Serv. - NPDES Permits

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

Project 75-50 Metro Planning

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

Project 76-05 Metro System Emergency

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

Project 76-07 MWTP 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 77-03 EPA 208 Match

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 78-02 F & I #1 Scrubbers

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 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 78-04 Bloomington Intcp. Reloc.

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

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 79-10 Facilities Planning Public Participation

Source of Authorization: Included in the Waste Management Policy Plan. Required by EPA as part of the 201 projects, including 76-25, Southeast Area Study and 76-26 Southwest Suburban Area Study.

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 30 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 Capitol Budget.

Project 81-63 Planning, Programming, Budgeting, Systems

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

Project 81-64 Meter Station Improvements

Source of Authorization: Included in the 1981 Capital Budget with the 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 76-17 Compliance with Air Quality Standards

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

Project 81-52 Seneca WWTP - Sludge Handling Facilities

Source of Authorization: Included in the 1981 Capital Budget.

Project 72-04 Cottage Grove Expansion

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

Project 77-01 Riverview Siphon System

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

Included in the Development Program for years 1977-1981.

Project 79-08 Minneapolis East & West Metering Station Improvements

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



SCHEDULE OF  
PROJECTS COMPLETED OR TO BE COMPLETED IN 1981

<u>Project Number</u>	<u>Name of Project</u>
71-13	Orono-Long Lake Interceptor
73-06	Chaska Plant Expansion
76-10	Industrial Waste Studies
76-17	Air Quality Monitoring
76-19	Management Information and Process
76-21	CAB Study
76-25	Southeast Area Study
76-26	Southwest Suburban Area
76-28	MWWTP Tertiary Treatment Facilities
77-02	Metro Interceptor Improvements
77-04	Savage Plant Expansion
79-05	MWWTP - Secondary Power Source

## REQUEST FOR ADDITIONAL FUNDING

### Project 72-02 MWWTP - Compressor Building

Reason for Decrease: The decrease of \$1,000,000 is due to the construction bid accepted being lower than anticipated.

Previously Appropriated	\$16,540,000
Actual Expenditures 8-31-81	<u>14,924,036</u>
Balance	\$ 1,615,964
Decrease in Appropriation	<u>\$(1,000,000)</u>

### Project 74-01(401) Sludge Thermal Conditioning and Dewatering Equipment

Reason for Increase: The increase of \$200,000 is due to change orders for the following:

1. Odor control system to meet emissions standards.
2. Install individual steam flow meters to know when excessive steam is used. Then, a solvent wash can be used which will result in fuel savings.
3. Install electrical connections to close certain valves automatically to prevent acid from entering the compressor which would cause extensive damage.

In addition, the increase is due to inclusion of legal costs for an anticipated lawsuit against the contractor for penalties of not meeting certain process guarantees.

Previously Appropriated	\$17,160,747
Actual Expenditures 8-31-81	<u>17,131,936</u>
Balance	\$ 28,811
Additional Appropriation Requested	<u>\$ 250,000</u>

### Project 74-01 (407) Sludge Processing Equipment

No Increase Requested: However, future monies may have to be provided as the contractor has filed a claim for \$4,000,000.00.

### Project 74-07 Blue Lake Sludge

Reason for Decrease: The decrease of \$375,961 is due to a delay in federal funding of Step II Costs.

Previously Appropriated	\$ 2,575,039
Actual Expenditures 9-30-81	<u>2,188,162</u>
Balance	\$ 386,877
Decrease in Appropriation	<u>\$ (375,961)</u>

### Project 75-01 Ultimate Disposal Site

Reason for Increase: The increase of \$80,000 is required to fund the sludge marketing study to be done in 1982.

Previously Appropriated	\$ 1,594,798
Actual Expenditures 8-31-81	<u>1,295,081</u>
Balance	\$ 299,717
Additional Appropriation Requested	<u>\$ 80,000</u>

### Project 79-06 Hastings Plant Improvements

Reason for Decrease: The decrease of \$7,380,000 is due to the delay in federal funding of the project.

Previously Appropriated	\$ 8,093,625
Actual Expenditures 8-31-81	<u>638,544</u>
Balance	\$ 7,455,081
Decrease in Appropriation	<u>\$(7,380,000)</u>

### Project 79-07 MWWTP Pilot Plant Studies

Reason for Decrease: The decrease of \$500,000 is due to federal funding for the project which will not be received in 1982.

Previously Appropriated	\$500,000
Actual Expenditures 5-31-81	<u>-0-</u>
Balance	\$500,000
Decrease in Appropriation	<u>\$(500,000)</u>

### Project 79-79 I/I Analysis - Community Grants

Reason for Increase: The increase of \$1,040,000 is due to the receipt of additional grants. There is no cost to the MWCC as participating communities pick up the local share.

Previously Appropriated	\$2,500,000
Actual Expenditures 8-31-81	<u>14,591</u>
Balance	\$2,485,409
Additional Appropriation	<u>\$1,040,000</u>

Project 81-53 MWWTP - Central Lab

Reason for Decrease: The decrease of \$1,000,000 is due to federal funding for the project which will not be received in 1982.

Previously Appropriated	\$1,000,000
Actual Expenditures 8-31-81	<u>-0-</u>
Balance	\$1,000,000
Decrease in Appropriation	<u><u>\$(1,000,000)</u></u>

Project 81-54 MWWTP - Screen & Grit

Reason for Decrease: The decrease of \$600,000 is due to federal funding for the project which will not be received in 1982.

Previously Appropriated	\$600,000
Actual Expenditures 8-31-81	<u>-0-</u>
Balance	\$600,000
Decrease in Appropriation	<u><u>\$(600,000)</u></u>

Project 81-55 MWWTP - Service & Utility Improvements

Reason for Decrease: The decrease of \$800,000 is due to federal funding for the project which will not be received in 1982.

Previously Appropriated	\$800,000
Actual Expenditures 8-31-81	<u>-0-</u>
Balance	\$800,000
Decrease in Appropriation	<u><u>\$(800,000)</u></u>

Project 81-56 MWWTP - F & I #2 Improvements

Reason for Decrease: The decrease of \$125,000 is due to federal funding for the project which will not be received in 1982.

Previously Appropriated	\$125,000
Actual Expenditures 8-31-81	<u>-0-</u>
Balance	\$125,000
Decrease in Appropriation	<u><u>\$(125,000)</u></u>

Project 81-57 MWWTP Rehab. Proj. Primary Settling Tanks

Reason for Decrease: The decrease of \$700,000 is due to federal funding for the project which will not be received in 1982.

Previously Appropriated	\$700,000
Actual Expenditures 8-31-81	<u>-0-</u>
Balance	\$700,000
Decrease in Appropriation	<u>\$(700,000)</u>

Project 81-58 MWWTP Rehab. Proj. Aeration Tanks/Gallery/Final Settling Tanks

Reason for Decrease: The decrease of \$500,000 is due to federal funding for the project which will not be received in 1982.

Previously Appropriated	\$500,000
Actual Expenditures 8-31-81	<u>-0-</u>
Balance	\$500,000
Decrease in Appropriation	<u>\$(500,000)</u>

Project 81-59 MWWTP Rehab. Proj. Comp. Bldg.

Reason for Decrease: The decrease of \$100,000 is due to federal funding for the project which will not be received in 1982.

Previously Appropriated	\$100,000
Actual Expenditures 8-31-81	<u>-0-</u>
Balance	\$100,000
Decrease in Appropriation	<u>\$(100,000)</u>

Project 81-60 MWWTP Rehab. Proj. Sludge Concentration Tanks

Reason for Decrease: The decrease of \$100,000 is due to federal funding for the project which will not be received in 1982.

Previously Appropriated	\$100,000
Actual Expenditures 8-31-81	<u>-0-</u>
Balance	\$100,000
Decrease in Appropriation	<u>\$(100,000)</u>

Project 81-61 MWWTP Rehab. Proj. Gravity Thickening and Sludge Holding Tanks

Reason for Decrease: The decrease of \$300,000 is due to federal funding for the project which will not be received in 1982.

Previously Appropriated	\$300,000
Actual Expenditures 8-31-81	<u>-0-</u>
Balance	\$300,000
Decrease in Appropriation	<u>\$(300,000)</u>

Project 81-62 MWWTP Rehab. Proj. Operation Center

Reason for Decrease: The decrease of \$100,000 is due to federal funding for the project which will not be received in 1982.

Previously Appropriated	\$100,000
Actual Expenditures 8-31-81	<u>-0-</u>
Balance	\$100,000
Decrease in Appropriation	<u>\$(100,000)</u>

Project 81-65 Miscellaneous Capital Improvements

Reason for Increase: The increase of \$3,000,000 is needed to provide for numerous improvements to treatment plants and interceptor systems to eliminate deficiencies and provide for effective operation of the Disposal System. It is proposed to consist of miscellaneous projects as described on Schedule 12-22.

Previously Appropriated	\$1,000,000
Actual Expenditures 8-31-81	<u>192,572</u>
Balance	\$ 807,428
Additional Appropriation Required	<u>\$3,000,000</u>

# SUMMARY OF NEW PROJECTS - REQUEST FOR FUNDING

<u>Project</u>	<u>Project Name</u>	<u>Step</u>	<u>Estimated Costs</u>
82-51	Battle Creek-Special Assessment	III	\$ 692,300
82-52	CAB Interceptor	II	1,820,000
82-53	Lake Ann Interceptor	II	386,000
82-54	Interceptor Rehabilitation	II	100,000
82-55	Minneapolis East Interceptor	II	<u>2,662,000</u>
	Total		\$ <u>5,660,300</u>

# REQUEST FOR FUNDING

## Project 82-51 Battle Creek - Special Assessment

Description: The Ramsey-Washington Metro Watershed district plans to construct erosion control improvements in Battle Creek. The Commission will be assessed up to \$692,300 for extraordinary benefits to the Battle Creek Interceptor.

### Resources Required:

Step III Construction	\$ 692,300
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### Annual Expenditures:

During 1982	692,300
Total	\$ 692,300

## Project 82-52 CAB Interceptor

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

### Resources Required:

Step II Detail, Engineering	\$ 1,820,000
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### Annual Expenditures:

During 1982	800,000
During 1983	1,020,000
Total	\$ 1,820,000

## 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.

### Resources Required:

Step II Detail Engineering	\$ 386,000
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### Annual Expenditures:

During 1982	200,000
During 1983	186,000
Total	\$ 386,000



#### Project 82-54 Interceptor Rehabilitation

Description: This project will consist of Step II services to rehabilitate numerous areas in the interceptor system.

##### Resources Required:

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

During 1982	<u>100,000</u>
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Total	\$ 100,000
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#### 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 (the downstream 3 1/2 miles of tunnel) being constructed in advance of the shallower upstream 2 1/2 miles. 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.

##### Resources Required:

Step II Detail Engineering	\$ 2,662,000
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##### Annual Expenditures:

During 1982	500,000
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During 1983	<u>2,162,000</u>
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Total	\$ 2,662,000
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## Status of Authorized Personnel

<u>Department/Plant</u>	<u>Proposed 1982</u>	<u>Actual 1981</u>
Administration	16	16
Engineering	37	37
Quality Control	80	77
Construction		
Central Office	3	3
Field Office	65	65
Operations		
Central Office	14	14
Empire	27	27
Metro Plant	427	387
Seneca Plant	47	47
Blue Lake Plant	31	31
Anoka	3	3
Maple Plain	2	2
Savage	2	2
Cottage Grove	4	4
Chaska	4	4
Byaport	1	1
Stillwater	6	6
Rosemount	8	7
South St. Paul	12	12
Hastings	5	5
Interceptor	53	52
Business Services	14	14
Comptroller	<u>15</u>	<u>15</u>
 Total	 <u>876</u>	 <u>831</u>

METROPOLITAN WASTE CONTROL COMMISSION

CHAIRMAN

Salisbury Adams

CHIEF ADMINISTRATOR

George W. Lusher

DEPUTY

CHIEF ADMINISTRATOR  
Anthony C. Gnerre

PUBLIC INFORMATION

A. C. Liemandt

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

TD 525 .T9 M4ax 1982

Metropolitan Waste Control  
Commission (Minn.).  
Budget, objectives and  
programs.

TD 525 .T9 M4ax 1982  
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Commission (Minn.).  
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