



METROPOLITAN COUNCIL
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1981 Budget
Objectives and Programs



METROPOLITAN
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COMMISSION
Twin Cities Area

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SECRETARY OF
THE SENATE

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

RESOLUTION NO. 80-159

RESOLUTION APPROVING SUBJECT TO CONDITIONS
THE 1981 CAPITAL IMPROVEMENT BUDGET OF THE
METROPOLITAN WASTE CONTROL COMMISSION

- WHEREAS, the Metropolitan Waste Control Commission has submitted its proposed 1981 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 1981 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 1981 Capital Budget and to direct the resubmission of the same prior to December 15, 1980.

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. 80-206 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 1981 Capital Budget proposed by the Metropolitan Waste Control Commission be approved with the following changes:
 - a. Project 81-D, Seneca Air Quality Improvements, Step II, be deleted.
 - b. Project 81-A, Lower CAB Interceptor, Step II, be deleted.

- c. Additional appropriations of the following projects and amounts be deleted.

	<u>Project</u>	<u>Amount</u>
74-07	Blue Lake Sludge	\$ 300,000
74-10	Metro Disposal System Improvements	1,000,000
77-02	Metro Interceptor Improvements	1,000,000
77-07	Anoka Interceptor	1,000,000

The MWCC should submit the plans and specifications and detailed costs (or a description of the need for revisions) for review prior to the final budget submittal, or request a budget amendment later when the plans and specifications are complete.

- d. That the appropriations for Projects 76-21, CAB Study and 79-80, MWWTP Additional Secondary Treatment Step II, be made consistent with the amounts acted on by the Council in the 1980 Capital Budget amendment request.
- e. That the description for Project 76-17, Air Quality Improvements, be revised to reflect the fact that a Development Program item authorizing Step II has not been approved.
- f. That the total appropriation (\$750,000) listed for project 78-03, Interim Sludge Disposal be reduced by \$78,720 (the amount proposed for 1981 expenditures) unless the Commission immediately submits a revised Development Program amendment for this project.
- g. That those projects for which expenditures are terminated in 1980 be listed as projects to be completed in 1980.
- h. That the Commission establish a new project for miscellaneous capital improvements to replace projects 74-10 and 77-02. The total amount authorized shall not exceed \$1,000,000. Prior approval of the Council shall be obtained before encumbering funds for capital improvements from their account.
- i. That the final Capital Budget be revised to reflect the above.

3. That, in order to approve the process for implementation of Minnesota Statutes, Sec. 473.163, the Metropolitan Waste Control Commission is directed to:
 - a. 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.
 - b. That, by November 1, 1980, submit any amendments to its 1980 capital budget for projects whose expenditures may exceed their approved appropriations during 1980.
 - c. Submit development program updates prior to March 1, 1981 for Council approval so that the 1982 capital budgets may receive timely approval. The MWCC must submit completed five year development program so that it can be approved prior to submission of the 1983 capital budgets on August 1, 1982.
4. That the Metropolitan Council directs the Metropolitan Waste Control Commission to resubmit its proposed 1981 Capital Budget to the Council for further review prior to December 15, 1980, 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, 1980. 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 11th day of September, 1980.

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. 80-227

RESOLUTION APPROVING AND ADOPTING
1981 PROGRAM BUDGET

WHEREAS, the 1981 Program Budget was presented to the Commission at its regular meeting of June 17, 1980, and

WHEREAS, public hearings were held on the proposed budget on July 8, August 12, and September 9, and

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

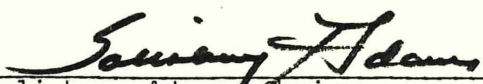
NOW, THEREFORE, BE IT RESOLVED:

1. That the Metropolitan Waste Control Commission approve and adopt the 1981 Program Budget as amended by the Metropolitan Council, and
2. That the amount of \$52,907,158 be allocated to the various units of government for current use costs, and
3. That the amount of \$2,685,000 be allocated to industrial users for industrial strength charges, and
4. That the amount of \$3,809,627 be allocated to various units of government for reserve capacity charges, and
5. That the SAC unit charge applicable during the 1981 budget year is \$425.00, and
6. That the Commission concur with the Metropolitan Council on the capital improvement portion of the budget requiring new funding for 1981 of \$7,375,000, and
7. That the Commission concur with the Metropolitan Council on the reappropriation of \$96,659,887 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.

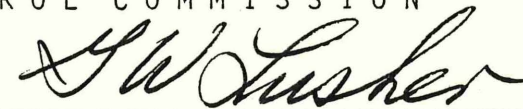
Adopted this 21st day of October, 1980

METROPOLITAN WASTE CONTROL COMMISSION

By


Salisbury Adams, Chairman

By


George W. Lusher, Acting Chief Administrator

RLB:ht
10.07.80

October 14, 1980

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 1981 Operating and Capital Budgets for the Metropolitan Waste Control Commission covering the period January 1 through December 31, 1981.

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 1981. These objectives were then reviewed, along with their associated costs, with their Department Director. The total budget increase, at this point in the budget procedure, was approximately 33%. 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 23%. The budget committee consisting of the Deputy Chief Administrator, Director of Engineering, the special assistant Deputy Director of Construction, and the Comptroller met with each Department Director and Program Manager and further reduced the total budget increase to approximately 18%. Additional reviews by the Administration Department and the Comptroller have further reduced objectives and resources and the total budget increase submitted to you now totals 14.96%. This increase was reviewed with the Chairman and agreement was given to present the budget as proposed to the Commission.

Expenditures for the administration, operation and maintenance of the Metropolitan Disposal System during 1981 totals \$59,701,785. This amount represents a \$7,767,162, or 14.96 percent increase in proposed expenditures over the current year's budget. The total proposed expenditures of \$59,701,785 are detailed and described in 53 Program Budgets as indicated on Schedules 3 through 3-26. Each

Richard J. Dougherty
Chief Administrator

Anthony C. Gnerre
Deputy Chief Administrator

Departmental Directors
Bernard J. Harrington
Engineering

Raynold O. Folland
Construction

George W. Lusher, Jr.
Operations

Walter K. Johnson, Ph. D.
Quality Control

Richard L. Berg
Comptroller

Kenneth E. Robins
Business Services

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SAINT PAUL, MN 55101
612/222-8423

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 1981 Budget are as follows:

Salaries, Wages & Benefits - Proposed costs for salaries, wages and benefits total \$20,678,585, an increase of \$4,099,042. This increase is attributed to 82 new positions of which 79 of these positions are for new facilities at the Metro Plant. In addition, pay increases has been provided for current employees in accordance with various labor agreements and compensation plans.

Insurance - Proposed insurance costs for 1981 total \$1,297,491, an increase of \$140,206 or 12.1 percent over the prior year. This increase is primarily attributed to the increase in Building & Property Insurance.

Utilities-Electricity, Fuel Oil, Natural Gas & Water - Utility costs for 1981 total \$10,469,680, an increase of \$2,004,387 or 23.68% due to additional plant facilities and escalating costs.

Contracted Services (various) - Proposed costs for various contracted services, such as, data processing, auditing, engineering, legal, maintenance, sludge hauling, etc. total \$3,013,035, an increase of \$695,630 over the current year.

Chemicals - Proposed costs for various chemicals, such as, ferric chloride, lime, polymers and chlorine total \$2,634,743, an increase of \$276,635.

Materials & Supplies - Proposed costs for materials and supplies for maintenance and operations total \$2,352,825 an increase of \$550,882.

Debt Service & Acquisition Costs - Debt Service & Acquisition Costs for 1981 total \$17,430,850 a decrease of \$265,280. The decrease is due to the smaller 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 1981 requires 82 new positions less 3 positions that have been eliminated in the Construction Department resulting in a total complement of 831 employees. All 82 are required for the administration, operation, and maintenance of the Metropolitan Disposal System as follows: One (1) for the Business Services Department; Seventy-nine (79) new employees are required for the expanded facilities at Metro, and one (1) employee for the increased Sludge Hauling at the Blue Lake Plant and a machinist mechanic is required for maintenance of the four plants in the East Area.

Sewer Service Charges - Allocation of current use charges to local governments being served by the Metropolitan Disposal System is estimated to Cost \$55.95 per 100,000 gallons (per family) based on flow volume of 94,557 million gallons. This is an increase of 16.6% over 1980. This will produce revenues in an amount of \$52,907,158.

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

<u>Description</u>	<u>Current Use %</u>	<u>Current Use Debt Ser.</u>	<u>Reserve Cap %</u>	<u>Reserve Cap. Debt Ser.</u>
TW	82.8249	8,214,392.92	17.1751	1,703,388.95
SA #1	69.8707	781,770.11	30.1293	337,111.06
SA #2	29.3370	161,516.52	70.6630	389,039.16
SA #3	31.1897	35,568.49	68.8103	78,470.73
SA #4	23.5822	174,244.88	76.4178	564,638.17
SA #5	21.0709	122,924.51	78.9291	460,460.68
SA #6	18.2469	61,717.57	81.7531	276,518.36
Totals		<u>9,552,135.00</u>		<u>3,809,627.11</u>

The total Reserve Capacity Requirement is \$3,809,627. 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 \$2,685,000. See Appendix A for a distribution and certification of firms and charges.

In summary the 1981 proposed operating budget of \$59,701,785 require an increase of \$7,767,162 or 14.96% over the 1980 budget. This proposed increase is attributed to the following:

- a) Salaries, wages & benefits 7.89%
- b) Utilities (electricity, fuel oil, natural gas and water) 3.85%

c) Materials, supplies and other services 3.22%

Total Increase 14.96%

The total budget has increased 18.43% or \$9,508,961 for the two year period 1979 to 1981. \$6,994,151 or 73.55% of this total increase, is due to Metro Plant increased costs resulting from 10 new additional facilities (\$3.2 million), increased utility costs (\$2.1 million) and the balance of \$1.7 million representing wage and material cost increases for the two year period. This is a 15.9% or 7.95% increase per year for wages and material costs.

When the Metro Plant Budget, new Empire Plant Budget and Debt Service-Acquisition Budgets are removed from both the 1979 and 1981 Budgets, the remaining programs increased 9.58% for the two year period, which is less than a 5% annual increase per year.

Salary increases of 18% (7% in 1979 and 11% in 1980) and fuel cost increases of 133% (.90 per gal. divided by .38625 per gal. in 1979). Are included in that 9.58% increase, it is apparent that significant decreases have been made in other areas of the Budget.

	<u>1979</u>	<u>1981</u>	<u>Decrease</u>
1. Travel (out-state)	\$ 53,960	\$ 42,215	\$ 11,745
2. Commission-Per Diem	16,100	12,000	4,100
3. Cont. Serv. Admin.	52,700	16,500	36,200
4. Cont. Serv. Engin.	95,000	55,000	40,000
5. Cont. Serv. Mtce.	1,196,400	1,001,620	194,780
6. Cont. Serv. Operations	328,740	292,200	36,540
7. Cont. Serv. Janitorial	52,270	39,884	12,386
8. Cont. Serv. Other	415,895	398,320	17,575
9. Publications	75,575	22,777	52,798
10. Flood Control	26,120	15,000	11,120
11. Interceptor Mtce. Contracts	339,020	213,700	125,320
12. Capital Outlay	593,164	352,200	<u>240,964</u>

Total Reductions \$783,528

Thus, these reductions are the primary reason the increase was only 9.58% for the two year period. Two of the larger decreases are contracted services-maintenance and interceptor maintenance contracts which reflects that more of the metropolitan disposal system maintenance is being done by Commission staff. The severe reduction in capital expenditures was required in order to restrict budget increases.

The 1981 Budget as adapted, will be a challenge for the program managers to meet.

Capital Budget

This section deals with the Capital Improvements Program which requires review and approval by the Metropolitan Council. Previously approved projects require additional appropriations of \$8,187,313. The additions to and subtractions from previously approved projects are detailed and described on Schedule 12. New projects are both summarized and described in Schedule 13 and the total amount required for new projects is \$7,375,000.

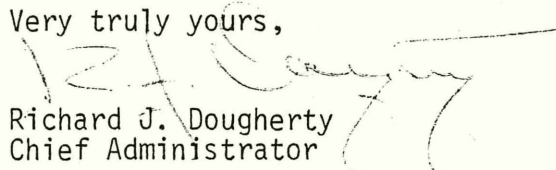
Revenue requirements to finance these projects which were previously approved and authorized total \$104,034,887. These revenues include Certified Federal Grants of \$50,125,084, Certified State Grants of \$10,025,018, anticipated future Federal and State Grants of \$20,609,456, and investment earnings of \$2,475,000. A complete financial review, analysis of the Capital Improvements Program indicates estimated total revenues in the amount of \$83,244,558 expenditures for previously funded programs totaling \$96,659,887 and expenditures for new projects totaling \$7,375,000, resulting in a fund balance at completion of the current program in the amount of \$3,008,928.

This financial analysis indicates that the program fund balance of \$3,008,928 is available to fund future projects entirely with local funds and/or for providing funds for the local share when federal and state funding is available. A summary statement of the fund balance, revenues and expenditures is indicated on Schedule 7.

Included in this Budget document is an update status report summary of all current Capital Improvement Projects previously approved and authorized and indicated on Schedule 12. Status reports of Certified Federal and State grants, anticipated Federal and State grants and anticipated investment earnings are indicated on Schedules 8,9,10 and 11. New projects are described in Schedule 13.

In submitting this 1981 Program Budget to the Commission, I wish to point out that many members of the staff have contributed significantly to the preparation of this 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,


Richard J. Dougherty
Chief Administrator

RJD:RLB:ht

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GOALS AND OBJECTIVES

General Goal

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

Objectives

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

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

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

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

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

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

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

General Fund – Revenues & Expenditures

	<u>Proposed 1981</u>	<u>Budget 1980</u>	<u>Actual 1979</u>
ESTIMATED REVENUES:			
Sewer Service Charges - Communities	\$52,907,158	\$44,521,969	\$42,556,446
Industrial Strength Charges	2,685,000	2,850,000	2,286,752
Service Availability Charges	3,809,627	4,071,055	8,781,646
Investment Earnings	275,000	375,000	718,022
Federal & State Grants	-0-	91,599	205,875
Other	<u>25,000</u>	<u>25,000</u>	<u>11,617</u>
TOTAL ESTIMATED REVENUES	<u>\$59,701,785</u>	<u>\$51,934,623</u>	<u>\$54,560,358</u>
 ESTIMATED EXPENDITURES:			
Programs	\$42,270,935	\$34,238,493	\$32,168,317
Debt Service	13,361,762	13,599,885	13,064,153
Acquisition Costs	<u>4,069,088</u>	<u>4,096,245</u>	<u>3,986,245</u>
TOTAL ESTIMATED EXPENDITURES	<u>\$59,701,785</u>	<u>\$51,934,623</u>	<u>\$49,218,715</u>
Transfer to SAC Reserve			5,027,962
Due to Local Governments			<u>313,681</u>
GRAND TOTAL			<u>\$54,560,358</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 1981;

ADMINISTRATION & MANAGEMENT (001) (continued)

4. To administrate, in cooperation with the Operations Department, a 94% 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 during 1981;
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: \$558,117

Work Hours Required: 3,650

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: \$94,740

Work Hours Required: 4,100

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: \$73,039

Work Hours Required: 3,800

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 1980 Annual Report by February 20, 1981;
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: \$98,121

Work Hours Required: 7,400

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: \$76,096

Work Hours Required: 4,290

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: \$25,320

Work Hours Required: 250

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 1981.

Resources Required: \$56,935

Work Hours Required: 3,800

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.)

1. (cont.) continuously update design standards and criteria, provide effective supervision and make annual personnel evaluations, attend staff meetings to establish Commission policies and objectives 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 accomplished and/or implemented each time? was the annual budget prepared and submitted by April 1, 1981?
2. Were program objectives accomplished within the budgeted manhours and costs?

Resources Required: \$159,746

Work Hours Required: 7,440

COMMUNITY SERVICES (009)

Description:

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

COMMUNITY SERVICES (009) (continued)

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.

Performance Criteria:

1. Prepare for and obtain Commission approval for 75-100 community comprehensive sewer plans. Review and coordinate with Metropolitan Council and communities on approximately 75 comprehensive sewer plan elements. Provide comments to the community and the Minnesota Pollution Control Agency on approximately 300 community sewer improvement projects;
2. Provide comments on 100 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 1979 Cost Allocation Program. Provide routine sewage flow and special

COMMUNITY SERVICES (009) (continued)

4. (cont.) 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 plus similar data on water;
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.

Resources Required: \$129,356

Work Hours Required: 8,970

ENGINEERING SERVICES (010)

Description:

1. To prepare the Development Program for years 1982-1986 in accordance with the requirements of the Metropolitan Reorganization Act and the 208 Areawide Plan/Development Guide for Water Quality Management and the information from the Facilities Planning Studies by December 31, 1981 within manhours and costs;
2. To prepare and recommend approval of special agreements, including the coordination of site investigations, design review, and the appropriate consideration for Commission facilities.
3. To prepare plans and specifications in-house for system improvements.
4. To provide engineering support to other departments including start-up assistance, trouble shooting, investigations and general engineering support.

ENGINEERING SERVICES (010) (continued)

Performance Criteria:

1. Was the Development Program for years 1982-1986 prepared by December 31, 1981 and within the budgeted amounts?
2. Were all special agreements effectively and timely provided and implemented each time?
3. Were all in-house plans and specifications timely provided and the improvements implemented within the estimated costs?
4. Was engineering support effectively provided on all requested involvement?
5. Were program objectives accomplished within the budgeted manhours and costs?

Resources Required: \$152,435

Work Hours Required: 8,830

QUALITY CONTROL ADMINISTRATION (011)

Description:

1. Provide coordination, supervision and aid to the managers of the six departmental programs in accomplishing their 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. Respond to external requests for information and data from other governmental agencies and individuals;
4. Prepare a comprehensive annual report of departmental activities before June 30;

QUALITY CONTROL ADMINISTRATION (011)
(continued)

5. For planning purposes, review personnel records at the time of each employee's employment anniversary date; recruit departmental staff; conduct studies for future personnel utilization;
6. Provide means for improving departmental word processing and data processing capabilities;
7. Provide opportunities for employee career development and encourage the preparation and presentation of professional papers.

Performance Criteria:

1. Degree of attainment of program objectives and number of budget and program reviews conducted;
2. Number and value of meetings and reports;
3. Adequacy of responses to external requests;
4. Date of completion of report;
5. Number of personnel reviews conducted and personnel planning studies;
6. Improvements made in word processing and data processing;
7. Number of employees participating in career development and the number of papers and public appearances made.

Resources Required: \$74,609

Work Hours Required: 3,160

INDUSTRIAL WASTES (012)

Description:

1. Plan and coordinate the industrial waste program;

INDUSTRIAL WASTES (012) (continued)

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 and industrial cost recovery systems;
5. Implement the Commission pretreatment system and enforce regulations;
6. Conduct 150 industry investigations;
7. Conduct 15 treatment plant investigations;
8. Attend conferences on industrial waste technology;
9. Prepare an annual industrial wastes report by April 15.

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 problems resolved and total number of problems assigned;
6. Number of industry investigations conducted and number projected;
7. Number of treatment plant investigations conducted and number projected;
8. Assessment of value of conferences to the Commission;
9. Date of completion.

Resources Required: \$366,285

Work Hours Required: 25,990

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 research projects at U of M which address the long-term needs of the MWCC in terms of treatment performance and analytical procedures;
2. Review R & D activities of other agencies;
3. Continue funding of joint USDA/MWCC study of sludge disposal on agricultural lands;
4. Conduct short-term special studies as requested;
5. Continue investigation of alternative disinfection methods and associated effects on receiving waters;
6. Continue study of sludge bulking and control methods;
7. Conduct pilot scale investigation of treatment processes considered for use at MWCC facilities;
8. Continue investigation of methods to characterize, condition, stabilize, dewater, and dispose of treatment plant sludges;
9. Conduct study to characterize the performance of the activated sludge process in terms of plant scale data;
10. Provide data analysis services as requested;
11. Prepare an annual Program Activities report by April 15.

RESEARCH AND DEVELOPMENT (013)(continued)

Performance Criteria:

1. Number of projects completed;
2. Number of technical conferences attended and reports reviewed;
3. Value to MWCC for planning and operation of land disposal facilities and as an operating sludge disposal system;
4. Time required to complete studies and quality of reports;
5. Quality of project reports;
6. Value to MWCC of bulking control methods proposed;
7. Quality of project reports;
8. Quality of project reports;
9. Value to MWCC of improved process control;
10. Number of requests fulfilled and quality of reports;
11. Date of completion.

Resources Required: \$344,375

Work Hours Required: 12,820

WATER QUALITY MONITORING (014)

Description: To monitor the quality of Metropolitan area rivers and lakes and to conduct bioassays of treatment plant effluents.

1. Plan and co-ordinate the MWCC Comprehensive Water Quality Monitoring System;
2. Conduct the MWCC-USGS continuous Automatic Monitoring Program at 12 river sites;

WATER QUALITY MONITORING (014)
(continued)

3. Conduct the MWCC Routine Grab Sampling Program at 30 river sites and collect 1,480 samples/year for 15,000 MWCC analyses;
4. Conduct the MWCC-USGS Grab Sampling Program at 9 river sites and collect 54 samples/year for 1,254 USGS analyses;
5. Conduct the MWCC Biomonitoring Program at 20 river sites and collect 160 samples for 3,500 MWCC analyses;
6. Conduct the MWCC Routine Lake Monitoring Program at Lake Minnetonka and collect 90 samples for 1,500 MWCC analyses;
7. Conduct fish bioassays of 3 MWCC treatment plant effluents to obtain a data base on effluent toxicity;
8. Conduct special studies as required;
9. Initiate a formal Quality Assurance Program;
10. Develop computer applications and a data base management system for water quality data, analyses, and interpretation;
11. Attend 4 conferences related to water quality monitoring;
12. Prepare an annual report of River Water Quality by July 1;
13. Prepare an annual report of Lake Water Quality by October 1;
14. Prepare an annual Program Activities report by April 1.

WATER QUALITY MONITORING (014)
(continued)

Performance Criteria:

1. Comparison of objectives met;
2. Number of automatic monitors in operation;
3. Number of samples collected;
4. Number of samples collected;
5. Number of samples collected;
6. Number of samples collected;
7. Number of assays conducted;
8. Number of special studies conducted;
9. Number of elements of a quality assurance program initiated;
10. Number of computer applications developed;
11. Written assessment of conferences;
12. Date of completion;
13. Date of completion;
14. Date of completion.

Resources Required: \$346,785

Work Hours Required: 20,690

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.

LABORATORY SERVICES (015)(continued)

1. Collect samples from all treatment plants operated by the Commission for operational plant control and as required by regulatory agencies;
2. Conduct 180,000 laboratory analyses and prepare appropriate reports immediately upon completion of analyses as follows: a) 40,000 analyses for NPDES monitoring of treatment plant. b) 20,000 analyses for area rivers and lakes. c) 70,000 analyses for treatment plant control. d) 10,000 analyses for support of special studies projects. e) 14,000 analyses for industrial waste. f) 26,000 analyses for internal laboratory quality assurance;
3. Prepare preliminary monthly NPDES summary reports by the 7th day of each month;
4. Prepare monthly NPDES compliance monitoring reports by the 20th day of each month;
5. Prepare an annual report on laboratory activity by April 15;
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 of equipment used for operational plant control;
9. Maintain laboratory equipment and supplies inventory system;
10. Increase laboratory capabilities to provide taxonomic identification of macroinvertebrates, periphyton, algal and zooplankton in support of the water quality monitoring program.

LABORATORY SERVICES (015) (continued)

Performance Criteria:

1. Number of samples requiring resampling compared to number scheduled;
2. Compare number of analyses conducted to number planned in program;
3. Number completed by the 7th day of the month to total reports required;
4. Number completed by the 20th day of the month to the total reports required;
5. Compare time of completion to scheduled date;
6. Compare time of completion to scheduled date;
7. Assess specific value of conferences and publication to program activities;
8. Percentage to time laboratory instrumentation and monitoring equipment not functioning;
9. Assess cost savings of inventory system;
10. Date test method established and number of requests processed compared to number requested.

Resources Required: \$868,521

Work Hours Required: 70,225

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.

AIR QUALITY MONITORING (016)
(continued)

1. Conduct quarterly stack emission tests at the Metropolitan Plant and the Seneca Plant at the specified frequencies for the following parameters and prepare reports:
 - a. Particulates-quarterly
 - b. SO₂-semi-annually
 - c. NO_x-semi-annually
 - d. Hydrocarbons-semi-annually
 - e. PCB's-semi-annually
 - f. Heavy Metals-semi-annually
2. Conduct continuous H₂S monitoring at the Seneca, Metropolitan, and Blue Lake Treatment plants;
3. Conduct weekly opacity monitoring on stacks at the Metropolitan Plant and at the Seneca Plant;
4. Conduct odor monitoring compliance tests at lift stations as required by regulatory agencies;
5. Conduct documentation studies on all odor complaints received by the Commission;
6. Prepare an annual air quality report by July 1;
7. Prepare an annual report on air monitoring activities by April 15;
8. Attend conferences on air quality monitoring;
9. Conduct a quality assurance program for all air monitoring analyses;
10. Institute meteorological monitoring stations at Blue Lake, Seneca, and the Metropolitan Plants by July 1;
11. Apply dispersion modeling to odor data obtained from Seneca, Blue Lake, and Metropolitan Plant process units;

AIR QUALITY MONITORING (016)
(continued)

12. Assist Operations Department in determining operating conditions of incinerators and scrubbers at the Seneca and Metropolitan Plants for optimum particulate removal in incinerator stack gases.

Performance Criteria:

1. Number of stack emission tests completed as compared to the number scheduled;
2. Number of reports prepared as compared to number completed;
3. Number of tests completed as compared to number scheduled;
4. Number of compliance tests completed as compared to the number required by regulatory agency;
5. Number of studies completed as compared to the number of odor complaints received;
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. Document values of quality assurance to overall program objectives;
10. Compare time of completion to scheduled date;
11. Assess value of dispersion modeling with respect to ambient odor sampling station;
12. Number of requests compared to number of tests completed.

Resources Required: \$86,916

Work Hours Required: 6,215

SLUDGE UTILIZATION ON LAND (017)

Description:

1. Administer the contract for disposition of excess sludge filter cake from the Metro Plant as part of the Interim Sludge Disposal Program to be assured that the permitting, storage, shipping, spreading, monitoring and reporting activities meet contract requirements;
2. Investigate alternative methods for the disposition of digested sludge and obtain permits for land application and monitor sites;
3. Continue investigation of composting as a potential method of sludge stabilization by conducting tests of the static method of sludge composting, the aerated pile method of composting, reviewing alternative composting methods, and conduct demonstrations and investigate market potential for the use of compost for horticultural purposes;
4. Plan, conduct, and supervise the silviculture activities of the Commission including the use of sludge for silviculture, through the use of the services of the Tree Trust Program and the DNR, provide plans for tree planting at MWCC facilities, and plant seedlings at selected MWCC sites;
5. Conduct tests of sod growing with sludge cooperatively with commercial sod grower;
6. Conduct studies of alternative and innovative uses of sludge solids residuals;
7. Assist MWCC marketing and public educational activities for beneficial uses of sludge;
8. Keep the MWCC staff informed of new developments in the sludge land utilization field through technical conferences and publications.

SLUDGE UTILIZATION ON LAND (017)
(continued)

Performance Criteria:

1. Percentage of sludge stored that is shipped to agricultural sites;
2. Number of permits obtained for digested sludge disposal;
3. Number of tons of sludge composted;
4. Extent of program completed compared with that planned;
5. Extent of sod growing activity;
6. Number of studies conducted for alternative uses of sludge;
7. Extent of marketing activities;
8. Number of conferences attended.

Resources Required: \$777,037

Work Hours Required: 5,790

CONSTRUCTION ADMINISTRATION (018)

Description: To provide overall administration by the Construction Department of an estimated 35 capital improvement contracts:

1. Maintain and utilize current project files, plans, and specifications; review and evaluate testing and schedule management services; review and evaluate Construction Department personnel performance and needs; review all program budgets prepared by the Construction Department; maintain an ongoing training program for all Construction Department personnel; and maintain a current Construction Department Policy Manual and organizational structure;
2. Review and evaluate an estimated 150 change orders and prepare current change order tabulations and process them through the Commission for an estimated 35 capital improvement projects.

CONSTRUCTION ADMINISTRATION (018)
(continued)

3. Review and process contract payments through the Commission for an estimated 35 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;
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: \$47,486

Work Hours Required: 2,500

BUSINESS SERVICES ADMINISTRATION (019)

Description:

1. Manage central office business functions including central file system, telephone system, mail distribution, office allocations and security;
2. Maintain an effective Central File system for communications and paid invoices;
3. Oversee and supervise purchasing activities;

BUSINESS SERVICES ADMINISTRATION (019)
(continued)

4. Prepare business item for presentation at committee meetings as they relate to labor, personnel and purchasing matters;
5. Conduct monthly staff meetings to inform staff about Commission activities and to discuss problem areas;
6. Hold individual meetings with staff to critique work performance;
7. Develop the 1981 Business Service Department budget.

Performance Criteria:

1. Provide for additional central office personnel based on 1980 additions to staff;
2. Review for purchase Xerox equipment where effective credits have built up. Analyze total Metropolitan Waste Control Commission Xerox usage and implement needed changes;
3. Turn over Central File Accounts Payable to Comptroller Department. Assist in transition;
4. Assist Purchasing Department in developing computerized reports for purchasing functions;
5. All business items to be prepared timely;
6. Conduct 12 department staff meetings with rotating chairperson;
7. Hold at least one meeting with each department employee to discuss mutual goals;
8. Request input from all department employees regarding 1981 budget.

Resources Required: \$191,852

Work Hours Required: 5,924

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 adequate 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. Provide job analysis procedures, review duties, responsibilities and classification of selected positions. Make recommendations for change determined by these studies;
4. Maintain and update all employee lists including address and seniority as well as initiate same for retired employees;
5. Investigate and provide, if needed, necessary tests for selected job classifications including studies evaluating comparable jobs in other local or state agencies;
6. Review and change hiring procedures as needed. Acknowledge, in writing, applications. Insure proper exposure to Department Directors of applications for all openings;
7. Provide Directors with evaluation and probationary forms reviewing and recommending that each and every is filled out with adequate information for Administration Department review;
8. Continue and expand Employee Assistance Program and EAP Advisory Committee through informational meeting, written or oral presentations on selected topics, timely EAP bulletins and additional supervisory training especially in the areas of how the program applies to chemical/alcohol abuse;

PERSONNEL SERVICES (020)(continued)

9. Update Business Services resource data to insure current information is available regarding maximum utilization of personnel, services, and budget, as they relate to Business Services Department.

Performance Criteria:

1. 75% of employees hired in three weeks or less from closing date indicated on job posting. Develop report to track placements as measured by time frames. Develop improved interview techniques and forms;
2. Review 10% of total files monthly to insure contents have been purged of extraneous data;
3. Provide job analysis for Secretary and Clerk-Typist positions with recommendations related to findings. Update job descriptions for these two classes;
4. Quarterly provide address lists and make seniority list changes 2 days from date hired or promotion;
5. Develop two tests for specific job classifications;
6. Acknowledge all applications within 3 days. Continue control and routing method for various departmental reviews;
7. The number of probationary forms completed timely to number of employees completing probationary status insuring adequate information is provided for administrative action. Improve form content;
8. Provide EAP Bulletins dealing with available services or programs. Initiate on line informational programs regarding use of the program at one out lying plant;
9. Distribute printed material regarding personnel related information throughout.

PERSONNEL SERVICES (020) (continued)

Resources Required: \$104,180

Work Hours Required: 4,900

LABOR RELATIONS & EMPLOYEE BENEFITS (021)

Description:

1. Negotiate to a mutual agreement 7 labor contracts within 30 days of their expiration;
2. Produce contract documents for supervisory staff;
3. Develop new methods and techniques and establish a system that will provide basic bargaining unit data through attendance at the National Public Employers Labor relations meetings and through publications and journals;
4. Hold labor/management meetings with union representatives to resolve any general differences as they relate to the labor contract.

Performance Criteria:

1. Labor agreements with AFSCME, Local 668; IUOE, Local 35; IAM, Lodge 77; IBEW, Local 110; UAP, Local 455; Painters, Local 61 and Bricklayers, Local 1 completed within 90 days from beginning of negotiations;
2. Hold supervisory meetings to explain new contract where language changes dictate an explanation;
3. Implement a computer program that will provide basic bargaining unit data for costing our proposals;
4. Hold 3 meetings with union representatives to discuss labor/management problems.

Resources Required: \$36,835

Work Hours Required: 1,400

PROPERTY, CASUALTY AND EMPLOYEE BENEFITS INSURANCE (022)

Description:

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

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

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: \$1,339,599

Work Hours Required: 3,825

PURCHASING DEPARTMENT (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.

PURCHASING DEPARTMENT (023) (continued)

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;
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 purchasing oriented reports via the computer system.

Resources Required: \$110,540

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

COMPTROLLER ADMINISTRATION (024)
(continued)

3. (cont.) needed management information through visitation at government and industrial computer installations and by attendance at the National Municipal Finance Officers Ass'n conference and at appropriate seminars where information and displays of the latest management information systems are available;
4. Prepare cost effectiveness studies 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;

COMPTROLLER ADMINISTRATION (024)
(continued)

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

Resources Required: \$86,250

Work Hours Required: 4,980

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;

ACCOUNTING AND COLLECTIONS (025)
(continued)

9. To respond to 90% of all Program Managers request for financial information within 1 day of the request.

Performance Criteria:

1. Fixed asset system maintained to satisfaction of State Auditor;
2. Number of months financial report not forwarded 7 days prior to Commission meeting;
3. Did State Auditor give the opinion that the reports presented fairly the financial position of MWCC;
4. Number of SAC audits not made by the end of 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: \$129,951

Work Hours Required: 6,900

DISBURSEMENTS (026)

Description:

1. Remit 75% of vendor's invoices and utility bills within 30 days;

DISBURSEMENTS (026) (continued)

2. Remit 75% of discount invoices within discount period;
3. Verify and prepare all disbursements to be approved by the Commission and forward these items to the Chief Administrator by noon on the 1st Wednesday of each month.

Performance Criteria:

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

Resources Required: \$73,155

Work Hours Required: 8,210

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: \$97,176

Work Hours Required: 8,410

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 12/31/80;
2. Meet October 1, 1980 Metropolitan Debt Service payment required;
3. Grant all credits for acquisition cost assumed by Commission by 12/31/80.

Resources Required: \$17,430,850

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.

OPERATIONS ADMINISTRATION (029) (continued)

1. To attain 94% compliance with NPDES effluent limitations at the Metropolitan Wastewater Treatment Plant during 1981;
2. To attain an average of 96% compliance with NPDES effluent limitations at Wastewater Treatment Plants other than the Metropolitan Plant during 1981;
3. To attain effluent quality performance at the Metro Plant equal to 93% frequency and 33% severity and at other treatment plants an average equal to 91% frequency and 35% severity;
4. Monitor financial status to assure compliance with 1981 Operating Budget.

Performance Criteria:

1. The NPDES Permit Compliance at the Metropolitan Wastewater Treatment Plant in 1981 compared to 94%;
2. The average NPDES permit compliance at plants other than the Metropolitan Plant in 1981 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 1981 Operating Budget.

Resources Required: \$200,770

Work Hours Required: 10,580

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;

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 95% 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: \$141,010

Work Hours Required: 9,280

MAJOR EMERGENCY REPAIRS (031)

Description:

1. Respond to and provide major emergency repairs of an unforeseeable nature in excess of \$5000 for operational facilities and interceptor systems.

MAJOR EMERGENCY REPAIRS (031)(continued)

2. Manage within the limits of the 1981 Operating Budget.

Performance Criteria:

1. Complete major emergency repairs in an expeditious manner;
2. Quarterly reports of percent compliance with the 1981 Operating Budget.

Resources Required: \$140,000

Work Hours Required: -0-

MANAGEMENT INFORMATION SYSTEMS (032)

Description:

1. Review and modify plant information system where needed;
2. Develop statistical analysis for plant information system;
3. Operate within 1981 Budget.

Performance Criteria:

1. Is review complete and modifications done;
2. Is statistical work complete;
3. Quarterly financial report.

Resources Required: \$120,335

Work Hours Required: 3,600

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;

REGULATOR SYSTEM (033) (continued)

2. To prepare and submit to Engineering Department monthly overflow summaries;
3. Manage within the limits of the 1981 Operating Budget.

Performance Criteria:

1. Keep maintenance schedule current;
2. Submit reports on time;
3. Quarterly report of percent compliance with 1981 Operating Budget.

Resources Required: \$254,888

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 1981 Interceptor Programs;
2. To develop and review plans for new facilities and programs;
3. To manage within the limits of 1981 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 1981 budget;
3. Quarterly report of percent compliance with 1981 Operating Budget.

Resources Required: \$178,453

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 1981 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 1981 operating budget.

Resources Required: \$488,417

Work Hours Required: 8,200

LIFT STATIONS (036)

Description:

1. To continuously keep in good operating order 58 lift stations by means of a first and second echelon maintenance program;
2. To continuously keep in good working order the alarm system for 58 lift stations and 4 treatment plants;
3. To continue a preventative maintenance program for 8 treatment plants;
4. Manage within the limits of the 1981 Operating Budget.

Performance Criteria:

1. All stations in good operating condition and adhere to preventative maintenance schedules;

LIFT STATIONS (036) (continued)

2. Keep alarm system continuously operational;
3. Keep preventative maintenance on schedule;
4. Quarterly report of percent compliance with 1981 Operating Budget.

Resources Required: \$1,355,248

Work Hours Required: 40,818

METERING STATIONS (037)

Description:

1. Keep 145 flow meters in good working order through preventative maintenance and quarterly calibration schedule;
2. Redesign schedule to calibrate trouble meters more often and non trouble meters less often;
3. Prepare and forward to Engineering Department monthly metered flow reports by the 20th of the following month;
4. Prepare community flows for the communities every half year;
5. Assist engineering in contacting communities when excess inflow and infiltration take place;
6. Keep in good working order all meter system computer equipment and peripherals by means of a complete maintenance program;
7. Operate within limits of 1981 Budget.

Performance Criteria:

1. Keep maintenance and calibration schedules up-to-date;

METERING STATIONS (037) (continued)

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 1981 Operating Budget.

Resources Required: \$462,993

Work Hours Required: 20,605

EMPIRE PLANT (038)

Description:

1. To achieve a minimum annual average compliance with NPDES Permit effluent limitations of 97%;
2. To attain effluent quality performance equal to 95% frequency and 25% severity;
3. Manage operations within the limits of the 1981 Operating Budget.

Performance Criteria:

1. Annual average percentage compliance with NPDES permit effluent limitation
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: \$1,198,090

Work Hours Required: 50,274

OPERATIONS, METRO PLANT (039)

Description:

1. Attain 92% compliance with NPDES permit effluent limitations during 1981;
2. Attain effluent quality performance of 85% 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 with the limits of the 1981 budget;
5. Maintain satisfactory labor relations.

Performance Criteria:

1. Actual percentage compliance during 1981;
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 2 procedure and beyond. Resolution of all grievances which will establish a good working atmosphere between management and labor.

Resources Required: \$19,611,270

Work Hours Required: 598,012

MAINTENANCE, METRO PLANT (040)

Description:

1. Provide maintenance services to assure that operational units of the plant meet 92% compliance effluent limitations during 1981;

MAINTENANCE, METRO PLANT (040)

2. Provide maintenance services to assure that operational units of the plant meet effluent quality performance of 85% frequency and 40% severity;
3. Respond to emergency work orders without delay;
4. Manage maintenance services within the limits of the maintenance 1981 budget;
5. Maintain satisfactory labor relations.

Performance Criteria:

1. Hours of downtime of equipment directly interrupting the process and affecting the NPDES permit effluent limitations for 1981;
2. Hours of downtime of equipment interrupting the process and affecting effluent quality. These hours to be recorded monthly;
3. Number of emergency work orders responded to and completed in a timely manner. These numbers to be recorded monthly;
4. Comparison of actual expenditures to budgeted amounts;
5. The number of grievances to Step 2 procedure and beyond.

Resources Required: \$4,157,448

Work Hours Required: 158,680

SENECA TREATMENT PLANT (041)

Description:

1. To achieve a minimum annual average compliance with NPDES permit effluent limitations of 97%;

SENECA TREATMENT PLANT (041)
(continued)

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: \$2,943,808

Work Hours Required: 84,600

BLUE LAKE PLANT (042)

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.

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: \$1,499,175

Work Hours Required: 56,592

CHASKA (043)

Description:

1. To achieve a minimum annual average compliance with NPDES Permit effluent limitations of 96%;
2. To attain effluent quality performance equal to 93% frequency and 33% severity;
3. 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 year;
3. Quarterly report of percent compliance with 1981 Operating Budget.

Resources Required: \$258,846

Work Hours Required: 9,420

ANOKA (044)

Description:

1. To achieve a minimum annual average compliance with NPDES Permit effluent limitations of 96%;
2. To attain effluent quality performance equal to 93% frequency and 33% severity;
3. Manage operations within the limits of the 1981 Operating Budget.

Performance Criteria:

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

ANOKA (044) (continued)

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: \$225,631

Work Hours Required: 8,440

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.

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: \$167,672

Work Hours Required: 4,960

COTTAGE GROVE (046)

Description:

1. To achieve a minimum annual average compliance with NPDES Permit effluent limitations of 96%;
2. To attain effluent quality performance equal to 93% frequency and 33% severity;

COTTAGE GROVE (046) (continued)

3. 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 year;
3. Quarterly report of percent compliance with 1981 Operating Budget.

Resources Required: \$257,545

Work Hours Required: 9,420

HASTINGS PLANT (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 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 year;
3. Quarterly report of percent compliance with 1981 Operating Budget.

Resources Required: \$256,230

Work Hours Required: 9,620

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 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 year;
3. Quarterly report of percent compliance with 1981 Operating Budget.

Resources Required: \$323,721

Work Hours Required: 10,820

SAVAGE PLANT (049)

Description:

1. To achieve a minimum annual average compliance with NPDES Permit effluent limitations of 96%;
2. To attain effluent quality performance equal to 93% frequency and 33% severity;
3. Manage operations within the limits of the 1981 Operating Budget.

Performance Criteria:

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

SAVAGE PLANT (049) (continued)

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: \$103,000

Work Hours Required: 5,000

MAPLE PLAIN PLANT (050)

Description:

1. To achieve a minimum annual average compliance with NPDES Permit effluent limitations of 92%;
2. To attain effluent quality performance equal to 85% frequency and 45% severity;
3. 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 year;
3. Quarterly report of percent compliance with 1981 Operating Budget.

Resources Required: \$75,208

Work Hours Required: 3,470

MEDINA PLANT (051)

Description:

1. To operate so that there is no treated wastewater discharge to surface water, and to attain annual average effluent quality prior to seepage disposal of less than 25 mg/l BOD and 30 mg/l TSS;

MEDINA PLANT (051)(continued)

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 1981 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;
3. Quarterly report of percent compliance with 1981 Operating Budget.

Resources Required: \$33,214

Work Hours Required: 1,680

SOUTH ST. PAUL PLANT (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 1981 Operating Budget.

Performance Criteria:

1. Avoidance of emergency discharge;
2. Quarterly compliance with 1981 Operating Budget.

Resources Required: \$775,680

Work Hours Required: 26,840

ROSEMOUNT (053)

Description:

1. To achieve a minimum annual average compliance with NPDES Permit effluent limitations of 97%;
2. To attain effluent quality performance equal to 95% frequency and 25% severity;
3. Manage operations within the limits of the 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 1981 calendar year;
3. Quarterly report of percent compliance with 1981 Operating Budget.

Resources Required: \$536,466

Work Hours Required: 18,480

SUMMARY STATEMENT OF PROGRAM EXPENDITURES

		<u>Proposed 1981</u>	<u>Budget 1980</u>	<u>Actual 1979</u>
5010	Salaries & Wages	17,376,970	13,813,787	11,765,751
5020	Employee Benefits	3,301,615	2,765,756	2,243,543
5040	Travel - Out of State	42,215	61,280	43,150
5041	Travel - Local	11,101	10,242	6,695
5042	Auto Allowance	6,600	6,600	6,150
5045	Employee Recruitment	10,000	12,500	7,586
5046	Public Hearings	800	800	-0-
5050	Commission - Per Diem	12,000	15,600	11,650
5051	Commision - Other	2,000	2,000	1,759
5060	Office Rent	183,000	183,000	159,150
5070	Educational Allowance	15,000	15,000	18,350
5080	Safety	5,500	2,700	-0-
5085	Medical Aids	9,100	5,300	9,770
5090	Contracted Services-Data Processing	76,350	57,200	65,923
5091	Contracted Services-Administration	16,500	19,500	25,541
5092	Contracted Services-Auditing	23,000	22,000	21,646
5093	Contracted Services-Engineering	55,000	60,000	76,050
5094	Contracted Services-Laboratory	5,000	4,000	14,119
5095	Contracted Services-Laundry	132,467	109,234	82,254
5096	Contracted Services-Legal	190,000	142,500	179,118
5097	Contracted Services-Maintenance	1,001,620	908,398	1,201,872
5098	Contracted Services-Operations	292,200	193,500	366,540
5099	Contracted Services-Xerox	69,194	55,392	55,060
5100	Contracted Services-Sludge Removal	708,400	376,988	394,625
5101	contracted Services-Janitorial	39,884	41,970	26,284
5102	Contracted Services-Other	398,320	326,723	362,944
5200	Materials & Supplies	724,845	576,857	707,198
5210	Maintenance Materials & Supplies	1,412,780	1,045,036	1,583,989
5300	Office Supplies	66,375	50,237	64,539
5310	Publications	22,777	25,265	32,316
5320	Postage	21,327	23,695	19,435
5330	Office Equipment Repair	5,700	4,000	5,275
5340	Advertising	5,400	5,400	14,996
5350	Dues & Subscriptions	9,414	15,585	5,477
5360	Meal Allowance	1,406	2,607	1,130
5370	Flood Control	15,000	21,120	23,603

		<u>Proposed 1981</u>	<u>Budget 1980</u>	<u>Actual 1979</u>
5390	Council Participation	100,000	100,000	104,200
5400	Research & Development	-0-	-0-	120,001
5410	River Monitoring	-0-	-0-	52,722
5450	Plant Demolition	-0-	-0-	126,792
5500	Motor Vehicle Expense	555,926	391,148	372,761
5620	Interceptor Rental Contracts	74,472	74,472	72,638
5630	Interceptor Maintenance Contracts	213,700	180,050	105,755
5700	Insurance - Auto	192,432	161,914	108,041
5701	Insurance - Blanket Bond	2,000	1,500	652
5702	Insurance - Building & Property	186,660	114,491	264,120
5703	Insurance - Dishonesty	-0-	-0-	-0-
5704	Insurance - Workman's Compensation	867,050	832,262	418,055
5705	Insurance - Excess Liability	41,329	42,098	83,227
5706	Insurance - Other	8,000	5,000	7,053
5800	Utilities - Electrical	6,024,466	4,939,436	4,203,904
5801	Utilities - Fuel	2,823,438	2,772,750	1,459,292
5802	Utilities - Gas	1,535,157	676,607	1,152,737
5803	Utilities - Water	86,619	76,500	67,621
5850	Telephone Service	137,885	120,929	113,332
5851	Leased Lines	149,048	139,708	83,050
5900	Chemicals - Ferric Chloride	824,096	750,065	858,837
5902	Chemicals - Lime	781,011	727,979	1,218,852
5903	Chemicals - Other	495,083	236,556	125,957
5904	Polymers	87,565	249,550	36,597
5940	Chlorine	446,988	393,958	255,732
5999	Miscellaneous	16,950	22,128	24,092
6010	Debt Service - Local Government	1,819,353	1,812,792	1,810,592
6020	Debt Service - Metropolitan Council	11,542,409	11,787,093	11,253,561
6100	Acquisition Costs	4,069,088	4,096,245	3,986,245
6200	Capital Outlay	<u>352,200</u>	<u>247,620</u>	<u>1,128,809</u>
		<u>\$59,701,785</u>	<u>51,934,623</u>	<u>49,218,715</u>

PROGRAM DETAIL COSTS

ADMINISTRATION AND MANAGEMENT (001)

5010	Salaries & Wages	\$ 70,098
5020	Employee Benefits	13,319
5040	Travel - Out State	5,600
5042	Auto Allowance	4,800
5046	Public Hearings	300
5060	Office Rent	183,000
5096	Contracted Services-Legal	175,000
5350	Dues and Subscriptions	5,000
5390	Council Participation	100,000
5999	Miscellaneous	500
6200	Capital Outlay	500

Total \$ 558,117

COMMISSION ADMINISTRATION (002)

5010	Salaries & Wages	\$ 51,210
5020	Employee Benefits	9,730
5040	Travel - Out State	1,500
5042	Auto Allowance	1,800
5046	Public Hearings	500
5050	Commission - Per Diem	12,000
5051	Commission - Other	2,000
5096	Contracted Services Legal	15,000
5999	Miscellaneous	500
6200	Capital Outlay	500

Total \$ 94,740

AFFIRMATIVE ACTION (003)

5010	Salaries & Wages	\$ 50,453
5020	Employee Benefits	9,586
5040	Travel - Out State	1,500
5041	Travel - Local	500
5091	Contracted Services - Admin.	10,000
5999	Miscellaneous	1,000

Total \$ 73,039

PUBLIC INFORMATION (004)

5010	Salaries & Wages	\$ 56,362
5020	Employee Benefits	10,709
5040	Travel - Out State	800
5041	Travel - Local	200
5102	Contracted Services	5,000
5200	Materials & Supplies	3,500
5310	Publications	17,500
5320	Postage	3,600
5350	Dues and Subscriptions	250
5999	Miscellaneous	200

Total \$ 98,121

SAFETY (005)

5010	Salaries & Wages	\$ 44,932
5020	Employee Benefits	8,537
5040	Travel - Out State	800
5085	Medical Aids	6,300
5102	Contracted Services-Other	4,800
5200	Material & Supplies	4,000
5310	Publications	1,377
5350	Dues & Subscriptions	1,100
5500	Motor Vehicle Expense	3,300
6200	Capital Outlay	950

Total \$ 76,096

CAREER DEVELOPMENT (006)

5010	Salaries & Wages	\$ 7,160
5020	Employee Benefits	1,360
5040	Travel - Out State	500
5041	Travel - Local	100
5070	Educational Allowance	15,000
5091	Cont. Serv.-Admin.	1,000
5999	Miscellaneous	100
6200	Capital Outlay	100

Total \$ 25,320

GRANTS ADMINISTRATION (007)

5010	Salaries & Wages	\$ 45,265
5020	Employee Benefits	8,600
5040	Travel - Out State	750
5041	Travel - Local	225
5350	Dues & Subscriptions	1,295
5999	Miscellaneous	500
6200	Capital Outlay	300
	Total	\$ <u>56,935</u>

ENGINEERING ADMINISTRATION (008)

5010	Salaries & Wages	\$ 108,963
5020	Employee Benefits	20,703
5040	Travel - Out State	2,800
5041	Travel - Local	980
5093	Contracted Services-Eng.	20,000
5200	Materials & Supplies	4,000
5310	Publications	400
5350	Dues & Subscriptions	400
5500	Motor Vehicle Expense	1,500
	Total	\$ <u>159,746</u>

COMMUNITY SERVICES (009)

5010	Salaries & Wages	\$ 106,648
5020	Employee Benefits	20,263
5040	Travel - Out State	1,150
5041	Travel - Local	570
6200	Capital Outlay	725
	Total	\$ <u>129,356</u>

PROJECT PLANNING (010)

5010	Salaries & Wages	\$ 123,895
5020	Employee Benefits	23,540
5200	Materials & Supplies	5,000
	Total	\$ <u>152,435</u>

QUALITY CONTROL ADMINISTRATION (011)

5010	Salaries & Wages	\$ 50,931
5020	Employee Benefits	9,677
5040	Travel - Out State	1,500
5041	Travel - Local	385
5099	Cont. Serv. - Xeroxing	6,426
5200	Materials & Supplies	500
5310	Publications	3,500
5350	Dues & Subscriptions	250
5500	Motor Vehicle Expense	1,440
	Total	\$ <u>74,609</u>

INDUSTRIAL WASTES (012)

5010	Salaries & Wages	\$ 284,189
5020	Employee Benefits	53,996
5040	Travel - Out State	2,100
5041	Travel - Local	100
5090	Cont. Serv. - Data Proc.	5,000
5200	Materials & Supplies	6,600
5500	Motor Vehicle Expense	6,900
5999	Miscellaneous	100
6200	Capital Outlay	7,300
	Total	\$ <u>366,285</u>

RESEARCH & DEVELOPMENT (013)

5010	Salaries & Wages	\$ 156,605
5020	Employee Benefits	29,755
5040	Travel - Out State	1,315
5090	Cont. Serv. - Data Proc.	3,250
5097	Cont. Serv. - Maint.	7,000
5102	Cont. Serv. - Other	69,000
5200	Materials & Supplies	14,000
5300	Office Supplies	300
5500	Motor Vehicle Expense	3,000
5903	Chemicals-Other	9,000
6200	Capital Outlay	51,150
	Total	\$ <u>344,375</u>

WATER QUALITY MONITORING (014)

5010	Salaries & Wages	\$ 191,189
5020	Employee Benefits	36,326
5041	Travel - Local	50
5040	Travel - Out State	1,800
5090	Cont. Serv. - Data Proc.	5,000
5097	Cont. Serv. - Maintenance	2,450
5102	Cont. Serv. - Other	64,835
5200	Materials & Supplies	9,945
5500	Motor Vehicle Expense	6,000
5851	Leased Lines	20,980
6200	Capital Outlay	<u>8,210</u>

Total \$ 346,785

LABORATORY SERVICES (015)

5010	Salaries & Wages	\$ 630,295
5020	Employee Benefits	119,756
5040	Travel - Out State	3,500
5041	Travel - Local	200
5090	Cont. Serv. - Data Proc.	3,600
5094	Cont. Serv. - Laboratory	4,000
5097	Cont. Serv. - Maintenance	8,270
5101	Cont. Serv. - Janitorial	2,000
5200	Materials & Supplies	84,600
5500	Motor Vehicle Expense	9,300
6200	Capital Outlay	<u>3,000</u>

Total \$ 868,521

AIR QUALITY MONITORING (016)

5010	Salaries & Wages	\$ 61,568
5020	Employee Benefits	11,698
5040	Travel - Out State	600
5090	Cont. Serv. - Data Proc.	1,000
5097	Cont. Serv. - Maintenance	1,000
5200	Materials & Supplies	5,850
5500	Motor Vehicle Expense	1,950
6200	Capital Outlay	<u>3,250</u>

Total \$ 86,916

SLUDGE UTILIZATION ON LAND (017)

5010	Salaries & Wages	\$ 67,468
5020	Employee Benefits	12,819
5041	Travel - Local	200
5097	Cont. Serv. - Maint.	2,150
5100	Cont. Serv. - Sludge Rem.	600,000
5102	Cont. Serv. - Other	65,200
5200	Materials & Supplies	24,800
5500	Motor Vehicle Expense	3,900
5999	Miscellaneous	<u>500</u>

Total \$ 777,037

CONSTRUCTION ADMINISTRATION (018)

5010	Salaries & Wages	\$ 38,561
5020	Employee Benefits	7,326
5040	Travel - Out State	650
5350	Dues & Subscriptions	419
5500	Motor Vehicle Expense	180
6200	Capital Outlay	<u>350</u>

Total \$ 47,486

BUSINESS SERVICES ADMINISTRATION (019)

5010	Salaries & Wages	\$ 39,740
5020	Employee Benefits	7,550
5099	Cont. Serv. - Xeroxing	43,008
5300	Office Supplies	34,195
5320	Postage	17,727
5330	Office Equipment Repair	3,900
5500	Motor Vehicle Expense	5,916
5850	Telephone	<u>39,816</u>

Total \$ 191,852

PERSONNEL SERVICES (020)

5010	Salaries & Wages	\$ 62,588
5020	Employee Benefits	11,892
5040	Travel - Out State	600
5045	Employee Recruitment	10,000
5102	Contract Services-Other	13,800
5340	Advertising	5,000
5999	Miscellaneous	<u>300</u>

Total \$ 104,180

DUPLICATING SERVICES (021)

5010	Salaries & Wages	\$ 25,492
5020	Employee Benefits	4,843
5040	Travel - Out State	850
5091	Cont. Serv. -Labor Rel.	5,500
5999	Miscellaneous	<u>150</u>

Total \$ 36,835

PROPERTY & CASUALTY INSURANCE (022)

5010	Salaries & Wages	\$ 35,402
5020	Employee Benefits	6,726
5700	Insurance - Auto	192,432
5701	Insurance - Blanket Bond	2,000
5702	Insurance - Bldg. & Property	186,660
5704	Insurance - Wkrs. Comp.	867,050
5705	Insurance - Exc. Liab.	41,329
5706	Insurance - Others	<u>8,000</u>

Total \$1,339,599

PURCHASING (023)

5010	Salaries & Wages	\$ 91,202
5020	Employee Benefits	17,328
5040	Travel - Out State	600
5041	Travel - Local	60
5340	Advertising	400
5350	Dues & Subscriptions	50
6200	Capital Outlay	<u>900</u>

Total \$ 110,540

COMPTROLLER ADMINISTRATION (024)

5010	Salaries & Wages	\$ 68,361
5020	Employee Benefits	12,989
5040	Travel - Out State	1,300
5090	Cont. Serv. - Data Proc.	2,000
5350	Dues & Subscriptions	200
5500	Motor Vehicle Expense	1,000
5999	Miscellaneous	200
6200	Capital Outlay	<u>200</u>

Total \$ 86,250

ACCOUNTING & COLLECTIONS (025)

5010	Salaries & Wages	\$ 75,522
5020	Employee Benefits	14,349
5041	Travel - Local	180
5090	Cont. Serv. - Data Proc.	16,900
5092	Cont. Serv. - Auditing	<u>23,000</u>

Total \$ 129,951

DISBURSEMENTS (026)

5010	Salaries & Wages	\$ 61,475
5020	Employee Benefits	<u>11,680</u>

Total \$ 73,155

PAYROLL (027)

5010	Salaries & Wages	\$ 65,484
5020	Employee Benefits	12,442
5090	Cont. Serv. - Data Proc.	18,800
6200	Capital Outlay	<u>450</u>

Total \$ 97,176

DEBT SERVICE & ACQUISITION COSTS (028)

6010	Debt Serv.-Local Govt.	\$1,819,353
6020	Debt Serv.-Metro Coun.	11,542,409
6100	Acquisition Costs	<u>4,069,088</u>

Total \$17,430,850

OPERATIONS ADMINISTRATION (029)

5010	Salaries & Wages	\$ 164,177
5020	Employee Benefits	31,193
5040	Travel - Out State	1,650
5041	Travel - Local	250
5500	Motor Vehicle Expense	2,700
5999	Miscellaneous	<u>800</u>

Total \$ 200,770

QUALITY ASSURANCE (030)

5010	Salaries & Wages	\$ 106,942
5020	Employee Benefits	20,318
5040	Travel - Out State	600
5041	Travel - Local	500
5090	Cont. Serv. - Data Proc.	6,700
5102	Cont. Serv. - Other	3,000
5200	Materials & Supplies	1,000
5300	Office Supplies	500
5500	Motor Vehicle Expense	750
6200	Capital Outlay	<u>700</u>

Total \$ 141,010

MAJOR EMERGENCY REPAIRS (031)

5093	Cont. Serv. - Eng.	\$ 15,000
5097	Cont. Serv. - Maint.	<u>125,000</u>

Total \$ 140,000

MANAGEMENT INFORMATION SYSTEM (032)

5010	Salaries & Wages	\$ 50,803
5020	Employee Benefits	9,652
5093	Consultant Services	20,000
5097	Cont. Serv.-Maintenance	16,000
5200	Materials & Supplies	4,080
5850	Telephone Service	2,500
6200	Capital Outlay	<u>17,300</u>

Total	\$ <u>120,335</u>
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REGULATOR SYSTEM (033)

5010	Salaries & Wages	\$ 154,021
5020	Employee Benefits	29,264
5041	Travel Local	125
5085	Medical Aids	50
5095	Cont. Serv. Laundry	1,778
5097	Cont. Serv. Maintenance	6,000
5200	Materials & Supplies	2,500
5210	Mtce-Materials & Supplies	15,000
5300	Office Supplies	250
5500	Motor Vehicle Expense	16,800
5800	Utilities - Electrical	5,000
5851	Telemetering	12,000
5999	Miscellaneous	100
6200	Capital Outlay	<u>12,000</u>

Total	<u>254,888</u>
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INTERCEPTOR SYSTEM ADMINISTRATION (034)

5010	Salaries & Wages	\$ 113,490
5020	Employee Benefits	21,563
5040	Travel - Out State	1,000
5041	Travel - Local	100
5097	Cont. Serv.-Maintenance	5,000
5102	Cont. Serv. - Other	30,000
5300	Office Supplies	1,000
5500	Motor Vehicle Expense	2,600
5850	Telephone Service	1,700
5851	Telemetering	<u>2,000</u>

Total	\$ <u>178,453</u>
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INTERCEPTOR SYSTEM MAINTENANCE (035)

5010	Salaries & Wages	\$ 94,156
5020	Employee Benefits	17,889
5097	Cont. Serv.-Maintenance	80,000
5500	Motor Vehicle Expense	8,200
5620	Interceptor Rental Cont.	74,472
5630	Interceptor Maintenance	<u>213,700</u>

Total	\$ <u>488,417</u>
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LIFT STATIONS (036)

5010	Salaries & Wages	\$ 499,410
5020	Employee Benefits	94,888
5041	Travel - Local	250
5085	Medical Aids	750
5095	Cont. Serv. - Laundry	6,240
5097	Cont. Serv. - Maintenance	80,000
5102	Cont. Serv. - Other	500
5200	Material & Supplies	48,600
5210	Maintenance Mtls. & Spls.	85,000
5300	Office Supplies	200
5500	Motor Vehicle Expense	55,560
5800	Utilities - Electrical	351,350
5802	Utilities - Gas	14,950
5803	Utilities - Water	1,300
5850	Telephone Service	8,050
5851	Telemetering	36,000
5940	Chlorine	2,350
5999	Miscellaneous	300
6200	Capital Outlay	<u>69,550</u>

Total	<u>\$1,355,248</u>
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METERING STATIONS (037)

5010	Salaries & Wages	\$ 258,421
5020	Employee Benefits	49,100
5041	Travel - Local	350
5085	Medical Aids	200
5095	cont. Serv. - Laundry	2,122
5097	Cont. Serv. - Maintenance	8,800
5102	Cont. Serv. - Other	325
5200	Material & Supplies	13,540
5210	Maintenance Mtls. & Spls.	22,000
5300	Office Supplies	330
5500	Motor Vehicle Expense	18,300
5800	Utilities - Electrical	8,010
5802	Utilities - Gas	150
5851	Telemetering	68,645
5999	Miscellaneous	700
6200	Capital Outlay	<u>12,000</u>

	<u>\$ 462,993</u>
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EMPIRE PLANT (038)

5010	Salaries & Wages	\$ 614,176
5020	Employee Benefits	116,693
5040	Travel - Out State	1,000
5041	Travel - Local	400
5085	Medical Aids	700
5090	Cont. Serv.-Data Proc.	8,500
5095	Cont. Serv.-Laundry	6,121
5097	Cont. Serv.-Maintenance	39,500
5098	Cont. Serv.-Operations	2,500
5099	Cont. Serv.-Xerox	1,800
5102	Cont. Serv.-Other	6,810
5200	Material & Supplies	30,250
5210	Maint. Mtls. & Spls.	57,000
5300	Office Supplies	1,150
5330	Office Equip.-Repair	200
5350	Dues & Subscriptions	200
5360	Meal Allowance	140
5500	Motor Vehicle Expense	13,160
5800	Utilities-Electrical	166,400
5801	Utilities-Fuel Oil	90,000
5802	Utilities-Gas	4,340
5850	Telephone Service	4,800
5851	Telemetering	660
5903	Chemicals-Other	2,085
5904	Polymers	12,000
5940	Chlorine	5,855
5999	Miscellaneous	350
6200	Capital Outlay	11,300
Total		<u>\$1,198,090</u>

OPERATIONS METRO PLANT (039)

5010	Salaries & Wages	\$7,168,933
5020	Employee Benefits	1,362,097
5040	Travel - Out State	3,600
5041	Travel - Local	1,000
5080	Safety	5,000
5090	Data Processing	5,600
5095	Laundry	89,600
5098	Cont. Serv. - Operations	229,000
5099	Cont. Serv. - Xerox	11,000
5101	Cont. Serv. - Janitor	2,500
5102	Cont. Serv. - Other	112,340
5200	Materials & Supplies	366,000
5300	Office Supplies	25,000
5330	Office Machine Repair	1,100
5360	Meal Allowance	1,000
5370	Flood Control	5,000
5500	Motor Vehicle Expense	30,000
5800	Utilities - Electrical	4,571,000
5801	Utilities - Fuel	2,458,000
5802	Utilities - Gas	1,135,000
5803	Utilities - Water	34,000
5850	Telephone	58,000

OPERATIONS METRO PLANT (039)
(continued)

5900	Chemiclas-Ferric Chlor.	\$ 660,000
5902	Chemicals-Lime	550,000
5903	Chemicals-Other	334,000
5904	Polymers	75,000
5940	Chlorine	300,000
5999	Miscellaneous	5,000
6200	Capital Outlay	12,500
Total		<u>\$19,611,270</u>

MAINTENANCE METRO PLANT (040)

5010	Salaries & Wages	\$2,333,482
5020	Employee Benefits	443,361
5040	Travel - Out State	1,400
5097	Cont. Serv. - Maint.	369,000
5210	Maint. Mtls. & Spls.	924,430
5500	Motor Vehicle Expense	16,500
5999	Miscellaneous	1,000
6200	Capital Outlay	65,275
5102	Cont. Serv.-Other	3,000
Total		<u>\$4,157,448</u>

SENECA PLANT (041)

5010	Salaries & Wages	\$1,091,165
5020	Employee Benefits	207,321
5040	Travel - Out State	900
5041	Travel - Local	450
5085	Medical Aids	400
5095	Cont. Serv.-Laundry	8,500
5097	Cont. Serv.-Maintenance	131,800
5098	Cont. Serv.-Operations	60,700
5099	Cont. Serv.-Xerox	3,960
5101	Cont. Serv.-Janitorial	21,970
5200	Materials & Supplies	29,950
5210	Maint. Mtls. & Spls.	117,350
5300	Office Supplies	2,000
5330	Office Equip. Repair	250
5350	Publications	250
5360	Meal Allowance	156
5500	Motor Vehicle Expense	4,060
5800	Utilities - Electrical	262,000
5801	Utilities - Fuel Oil	231,662
5802	Utilities - Natural Gas	303,027
5803	Utilities - Water	4,000
5850	Telephone Service	10,000
5851	Telemetering	900
5900	Chemicals - Ferric Chlor.	152,000
5902	Chemicals - Lime	208,000
5903	Chemicals - Other	9,000
5940	Chlorine	77,337
5999	Miscellaneous	1,000

SENECA PLANT (041)
(continued)

6200 Capital Outlay	\$ 3,700
Total	<u>\$2,943,808</u>

BLUE LAKE PLANT (042)

5010 Salaries & Wages	\$ 730,873
5020 Employee Benefits	138,865
5040 Travel - Out State	750
5041 Travel - Local	200
5080 Safety	500
5085 Medical Aids	100
5095 Cont. Serv. - Laundry	6,930
5097 Cont. Serv. - Maintenance	9,500
5099 Cont. Serv. - Xerox	2,800
5101 Cont. Serv. - Janitorial	9,600
5102 Cont. Serv. - Other	4,000
5200 Materials & Supplies	22,700
5210 Maint. Matls. & Supls.	46,700
5300 Office Supplies	900
5330 Office Equipment Repair	250
5360 Meal Allowance	50
5500 Motor Vehicle Expense	242,300
5800 Utilities - Electrical	213,900
5801 Utilities - Fuel Oil	7,776
5802 Utilities - Gas	13,250
5803 Utilities - Water	24,069
5850 Telephone Services	4,962
5903 Chemicals - Other	300
5940 Chlorine	17,600
5999 Miscellaneous	300
Total	<u>\$1,499,175</u>

CHASKA PLANT (043)

5010 Salaries & Wages	\$ 111,799
5020 Employee Benefits	21,242
5041 Travel - Out State	200
5095 Cont. Serv. - Laundry	1,000
5097 Cont. Serv. - Maintenance	4,000
5100 Cont. Serv. - Sludge Removal	10,000
5102 Cont. Serv. - Other	800
5200 Materials & Supplies	2,900
5210 Maint. Matls & Supls	10,625
5370 Flood Control	3,000
5500 Motor Vehicle Expense	17,890
5800 Utilities - Electrical	27,775
5801 Utilities - Fuel Oil	3,000
5850 Telephone	550
5851 Telemetering	1,050
5903 Chemicals - Other	39,850
5940 Chlorine	2,565

CHASKA PLANT (043)
(continued)

5999 Miscellaneous	\$ 300
6200 Capital Outlay	300
Total	<u>\$ 258,846</u>

ANOKA PLANT (044)

5010 Salaries & Wages	\$ 101,287
5020 Employee Benefits	19,244
5095 Cont. Serv. - Laundry	715
5097 Cont. Serv. - Maintenance	7,000
5100 Cont. Serv. - Sludge Rem.	1,000
5102 Cont. Serv. - Other	800
5200 Materials & Supplies	2,000
5210 Maint. Matls. & Spls.	4,000
5500 Motor Vehicle Expense	9,200
5800 Utilities - Electrical	62,210
5801 Utilities - Fuel	5,250
5803 Utilities - Water	2,500
5850 Telephone	400
5851 Telemetering	750
5903 Chemicals - Other	1,000
5940 Chlorine	6,305
5999 Miscellaneous	250
6200 Capital Outlay	1,420
5041 Travel - Local	300
Total	<u>\$ 225,631</u>

BAYPORT (045)

5010 Salaries & Wages	\$ 61,214
5020 Employee Benefits	11,631
5041 Travel - Local	200
5095 Cont. Serv. - Laundry	354
5097 Cont. Serv. - Maintenance	3,500
5099 Cont. Serv. - Xerox	300
5100 Cont. Serv. - Sludge Rem.	1,000
5102 Cont. Serv. - Other	1,000
5200 Materials & Supplies	2,600
5210 Maint. Matls. & Spls.	8,450
5370 Flood Control	3,000
5500 Motor Vehicle Expense	8,755
5800 Utilities - Electrical	25,640
5801 Utilities - Fuel Oil	4,500
5802 Utilities - Gas	2,100
5803 Utilities - Water	2,600
5850 Telephone Service	400
5851 Telemetering	873
5903 Chemicals - Other	12,685
5940 Chlorine	2,095

BAYPORT (045)
(continued)

5999	Miscellaneous	\$ 400
6200	Capital Outlay	14,375
	Total	\$ <u>167,672</u>

COTTAGE GROVE PLANT (046)

5010	Salaries & Wages	\$ 112,640
5020	Employee Benefits	21,401
5041	Travel - Local	200
5095	Cont. Serv. - Laundry	925
5097	Cont. Serv. - Maintenance	5,600
5099	Cont. Serv. - Xeroxing	300
5100	Cont. Serv. - Sludge Removal	5,000
5102	Cont. Serv. - Other	1,450
5200	Materials & Supplies	5,000
5210	Maint. Matls. & Supplies	16,000
5500	Motor Vehicle Expense	9,800
5800	Utilities - Electrical	33,364
5801	Utilities - Fuel Oil	4,500
5802	Utilities - Gas	13,775
5850	Telephone Service	570
5851	Telemetering	390
5903	Chemicals - Other	5,900
5940	Chlorine	5,855
5999	Miscellaneous	500
6200	Capital Outlay	14,375
	Total	\$ <u>257,545</u>

HASTINGS (047)

5010	Salaries & Wages	\$ 115,588
5020	Employees Benfits	21,962
5041	Travel - Local	200
5095	Cont. Serv. - Laundry	1,100
5097	Cont. Serv. - Maintenance	5,500
5099	Cont. Serv. - Xeroxing	300
5100	Cont. Serv. - Sludge Removal	3,000
5102	Cont. Serv. - Other	1,200
5200	Materials & Supplies	5,000
5210	Maint. Matls. & Supls.	13,225
5370	Flood Control	3,000
5500	Motor Vehicle Expense	14,850
5800	Utilities - Electrical	30,200
5801	Utilities - Fuel Oil	4,500
5802	Utilities - Gas	8,950
5803	Utilities - Water	2,400
5850	Telephone Service	420
5851	Telemetering	1,245
5903	Chemicals - Other	1,450
5940	Chlorine	7,265
5999	Miscellaneous	500
6200	Capital Outlay	14,375
	Total	\$ <u>256,230</u>

STILLWATER PLANT (048)

5010	Salaries & Wages	\$ 130,613
5020	Employee Benefits	24,816
5041	Travel - Local	200
5095	Cont. Serv. - Laundry	1,045
5097	Cont. Serv. - Maintenance	10,000
5099	Cont. Serv. - Xeroxing	300
5100	Cont. Serv. - Sludge Rem.	2,000
5102	Cont. Serv. - Other	3,200
5200	Materials & Supplies	3,000
5210	Maint. Matls. & Supls.	18,000
5500	Motor Vehicle Expense	25,795
5800	Utilities - Electrical	20,900
5801	Utilities - Fuel Oil	4,500
5802	Utilities - Gas	8,925
5850	Telephone Service	667
5851	Telemetering	875
5903	Chemicals - Other	50,740
5940	Chlorine	3,270
5999	Miscellaneous	500
6200	Capital Outlay	14,375
	Total	\$ <u>323,721</u>

SAVAGE PLANT (049)

5010	Salaries & Wages	\$ 58,820
5020	Employee Benefits	11,175
5041	Travel - Local	300
5095	Cont. Serv. - Laundry	570
5097	Cont. Serv. - Maintenance	3,500
5102	Cont. Serv. - Other	640
5200	Materials & Supplies	1,000
5210	Maint. Materials & Spls.	6,500
5500	Motor Vehicle Expense	2,850
5800	Utilities - Electrical	7,497
5801	Utilities - Fuel Oil	1,500
5802	Utilities - Gas	3,885
5803	Utilities - Water	1,150
5850	Telephone	500
5851	Telemetering	560
5903	Chemicals - Other	600
5940	Chlorine	1,753
5999	Miscellaneous	200
	Total	\$ <u>103,000</u>

MAPLE PLAIN PLANT (050)

5010	Salaries & Wages	\$ 41,872
5020	Employee Benefits	7,956
5095	Cont. Serv. - Laundry	360
5097	Cont. Serv. - Maintenance	2,000
5100	Cont. Serv. - Sludge Removal	2,500
5200	Materials & Supplies	1,000
5210	Maint. Matls. & Suples.	4,000
5500	Motor Vehicle Expense	3,190
5800	Utilities - Electrical	2,600
5801	Utilities - Fuel Oil	3,750
5850	Telephone Service	530
5851	Telemetering	920
5903	Chemicals - Other	500
5940	Chlorine	1,860
5999	Miscellaneous	500
6200	Capital Outlay	1,670
Total		<u>\$ 75,208</u>

MEDINA PLANT (051)

5010	Salaries & Wages	\$ 20,037
5020	Employee Benefits	3,807
5097	Cont. Serv. - Maintenance	2,000
5200	Materials & Supplies	250
5210	Maint. Materials & Supplies	3,500
5500	Motor Vehicle Expense	1,760
5800	Utilities - Electrical	1,420
5903	Chemicals - Other	400
5940	Chlorine	300
5999	Miscellaneous	100
Total		<u>\$ 33,574</u>

SOUTH ST. PAUL PLANT (052)

5010	Salaries & Wages	\$ 343,165
5020	Employee Benefits	65,201
5040	Travel - Out State	800
5041	Travel - Local	2,026
5085	Medical Aids	500
5095	Cont. Serv. - Laundry	3,268
5097	Cont. Serv. - Maintenance	21,800
5100	Cont. Serv. - Sludge Rem.	37,100
5102	Cont. Serv. - Other	4,200
5200	Materials & Supplies	5,500
5210	Maint. Materials & Supplies	38,000
5300	Office Supplies	300
5370	Flood Control	1,000
5500	Motor Vehicle Expense	5,300
5800	Utilities - Electrical	200,000
5802	Utilities - Gas	16,500
5803	Utilities - Water	11,000

SOUTH ST. PAUL PLANT (052)

5850	Telephone Service	\$ 900
5851	Telemetering	1,200
5940	Chlorine	8,820
6200	Capital Outlay	9,100
Total		<u>\$ 775,680</u>

ROSEMOUNT PLANT (053)

5010	Salaries & Wages	\$ 228,828
5020	Employee Benefits	43,477
5040	Travel - Out State	300
5041	Travel - Local	100
5085	Medical Aids	100
5095	Cont. Serv. - Laundry	1,839
5097	Cont. Ser. - Maintenance	45,250
5100	Cont. Serv. - Sludge Rem.	46,800
5101	Cont. Serv. - Janitorial	3,814
5102	Cont. Serv. - Other	2,420
5200	Material & Supplies	15,180
5210	Maint. Matls. & Spls.	23,000
5300	Office Supplies	250
5360	Meal Allowance	60
5500	Motor Vehicle Expense	1,220
5800	Utilities - Electrical	35,200
5801	Utilities - Fuel Oil	4,500
5802	Utilities - Gas	10,305
5803	Utilities - Water	3,600
5850	Telephone	3,120
5900	Ferric Chloride	12,096
5902	Lime	23,011
5903	Chemicals - Other	27,573
5904	Polymer	565
5940	Chlorine	3,758
5999	Miscellaneous	100
Total		<u>\$ 536,466</u>

Summary of Debt Service

	<u>Proposed 1981</u>	<u>Budget 1980</u>	<u>Actual 1979</u>
Treatment Works	\$ 9,917,782	\$10,066,294	\$ 9,589,092
Interceptor System			
Service Areas:			
1. Minneapolis-St. Paul	1,118,881	1,179,396	1,258,322
2. North Suburban	550,556	569,518	597,210
3. Anoka	114,039	124,719	18,441
4. Southwest	738,883	770,107	856,786
5. Bloomington-Eagan-Burnville	583,385	530,152	360,121
6. Southeast	<u>338,236</u>	<u>359,699</u>	<u>384,181</u>
	<u>\$13,361,762</u>	<u>\$13,599,885</u>	<u>\$13,064,153</u>

METROPOLITAN COUNCIL SEWER BOND FUND DEBT SERVICE

Estimated Fund Balance - October 1, 1980	\$ 15,047,658
Less - Debt Service Payments November 1, 1980 through October 1, 1981	12,727,617
Add - Interest to be earned November 1, 1980 through October 1, 1981	<u>930,000</u>
Balance	\$ 3,250,041
Required Balance - October 1, 1981	<u>14,792,450</u>
Program Budget Requirement	<u>\$11,542,409</u>

Apportioned to:

<u>Cost Pool</u>	<u>Capital Improvements</u>	<u>% of Debt Service</u>	<u>Amount</u>
Treatment Works	\$376,374,422	80.45%	\$ 9,285,868
SA 1	30,081,845	6.38	736,406
SA 2	10,812,594	2.25	259,704
SA 3	4,807,998	.95	109,653
SA 4	27,305,053	5.65	652,146
SA 5	7,695,121	1.59	183,524
SA 6	<u>13,403,386</u>	<u>2.73</u>	<u>315,108</u>
	<u>\$470,480,419</u>	<u>100.00%</u>	<u>\$11,542,409</u>

Local Government Debt Service

Service Area 1 - Minneapolis - St. Paul

	<u>Treatment Works</u>	<u>Interceptors</u>	<u>Total</u>
Birchwood	\$	\$ 719.00	
Dellwood		5,279.90	
Forest Lake Township	3,205.00		
Little Canada		86,879.38	
Mahtomedi		8,469.28	
Oakdale		60,414.00	
Plymouth		8,370.00	
Roseville		10,828.00	
St. Paul		93,936.81	
Shoreview*		61,233.26	
Vadnais Heights		2,934.54	
White Bear Lake		8,470.00	
White Bear Township		7,362.00	
Woodbury		27,579.00	
	<u>\$ 3,205.00</u>	<u>\$ 382,475.17</u>	<u>\$ 385,680.17</u>

Service Area 2 - North Suburban

Shoreview *		37,530.07	
Brooklyn Park		141,310.00	
Circle Pines		3,158.61	
Coon Rapids		59,506.00	
New Brighton		46,226.00	
Spring Lake Park		3,121.00	
	<u>\$ -0-</u>	<u>\$ 290,851.68</u>	<u>\$ 290,851.68</u>

*Located in 2 Service Areas

Service Area 3 - Anoka

	<u>Treatment Works</u>	<u>Interceptors</u>	<u>Total</u>
Anoka	\$ 40,159.00	\$	\$
Champlin	<u> </u>	<u>4,386.22</u>	<u> </u>
	\$ <u>40,159.00</u>	\$ <u>4,386.22</u>	\$ <u>44,545.22</u>

Service Area 4 - Southwest

Deephaven	\$	\$ 23,075.18	
Excelsior	11,595.00		
Greenwood		3,930.26	
Long Lake	11,673.00		
Maple Plain	5,663.00		
Medina	5,179.00		
Minnetrista		27,298.77	
Mound	24,016.27	22,784.87	
Orono		2,906.00	
Prior Lake	9,951.37	545.00	
Savage	12,873.00		
Shakopee	17,682.50		
Spring Park	2,719.83	2,613.17	
Tonka Bay	<u>6,371.20</u>	<u>3,583.80</u>	<u> </u>
	\$ <u>107,724.17</u>	\$ <u>86,737.05</u>	\$ <u>194,461.22</u>

Service Area 5 - Bloomington-Eagan-Burnsville

Bloomington	\$	\$ 80,376.19	
Burnsville	23,017.00	268,931.00	
Eagan	<u>4,529.02</u>	<u>50,554.00</u>	<u> </u>
	\$ <u>27,546.02</u>	\$ <u>399,861.19</u>	\$ <u>427,407.21</u>

Service Area 6 - Southeast

	<u>Treatment Works</u>	<u>Interceptors</u>	<u>Total</u>
Apple Valley	\$ 13,583.07	\$ 23,127.93	\$
Cottage Grove	39,591.61		
Hastings	42,897.00		
Inver Grove Heights	15,006.00		
Lakeville	10,395.00		
Newport	5,282.00		
Oak Park Heights	16,253.00		
South St. Paul	264,513.00		
Stillwater	<u>45,759.00</u>		
	\$453,279.68	\$ <u>23,127.93</u>	\$ <u>476,407.61</u>
 GRAND TOTAL	 <u>\$631,913.87</u>	 <u>\$1,187,439.24</u>	 <u>\$1,819,353.11</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>\$4,069,088</u>
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Local Government Current Value Credit

Anoka	\$ 15,901	Excelsior	\$ 3,521
Apple Valley	6,083	Falcon Heights	2,204
Arden Hills	11,924	Farmington	10,999
Bayport	7,673	Forest Lake	8,807
Birchwood	257	Forest Lake 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>Treatment Works</u>	<u>Service Area</u>	<u>Total</u>
Andover	85	40,635.08	7,733.76	48,368.84
Anoka	700	334,617.92	55,338.34	389,956.26
Apple Valley	700	334,617.93	39,194.04	373,811.97
Arden Hills	470	224,645.56	34,978.00	259,623.56
Bayport	190	90,852.63	-0-	90,852.63
Birchwood	29	13,831.30	2,157.80	15,989.10
Blaine	790	377,648.62	71,880.20	449,528.82
Bloomington	3,050	1,457,981.32	343,245.10	1,801,226.42
Brooklyn Center	1,120	535,397.72	83,345.69	618,743.41
Brooklyn Park	1,460	697,892.85	132,842.72	830,735.57
Burnsville	1,180	564,054.72	132,796.24	696,850.96
Centerville	26	12,430.09	2,365.85	14,795.94
Champlin	76	36,341.05	6,008.15	42,349.20
Chanhassen	280	133,838.13	55,334.96	189,173.09
Chaska	320	152,957.86	-0-	152,957.86
Circle Pines	98	46,872.73	8,916.68	55,789.41
Columbia Heights	700	334,617.92	52,096.21	386,714.13
Coon Rapids	1,040	497,113.05	94,627.71	591,740.76
Cottage Grove	600	286,841.19	-0-	286,841.19
Crystal	910	435,007.83	67,720.95	502,728.78
Deephaven	142	67,845.67	28,062.57	95,908.24
Eagan	1,000	478,038.52	112,539.82	590,578.34
Eden Prairie	680	325,035.45	134,383.22	459,418.67
Edina	2,650	1,266,784.00	197,204.43	1,463,988.43
Empire Township	15	7,186.85	795.25	7,982.10
Excelsior	113	54,014.37	22,331.00	76,345.37
Falcon Heights	370	176,868.83	27,536.42	204,405.25
Farmington	250	119,509.63	13,253.60	132,763.23
Forest Lake	270	129,046.90	20,089.69	149,136.59
Forest Lake Township	120	57,359.20	8,929.90	66,289.10
Fridley	1,280	611,876.65	102,880.53	714,757.18
Gem Lake	18	8,588.06	1,338.97	9,927.03
Golden Valley	1,240	592,756.91	92,275.59	685,032.50
Greenwood	23	10,983.68	4,546.29	15,529.97
Hastings	540	258,138.99	-0-	258,138.99
Hilltop	22	10,531.68	1,637.66	12,169.34

<u>Local Government</u>	<u>Est. Flow (MG)</u>	<u>Treatment Works</u>	<u>Service Area</u>	<u>Total</u>
Hopkins	745	356,133.27	56,426.62	412,559.89
Hugo	39	18,622.53	2,904.54	21,527.07
Inver Grove Heights	405	193,592.94	21,471.15	215,064.09
Lake Elmo	2	949.21	149.35	1,098.56
Laketown Township	23	11,028.88	4,545.22	15,574.10
Lakeville	520	248,556.53	28,043.82	276,600.35
Landfall	22	10,531.67	1,637.66	12,169.33
Lauderdale	55	26,306.59	4,094.16	30,400.75
Lexington	46	21,967.35	4,185.56	26,152.91
Lilydale	22	10,486.47	1,637.66	12,124.13
Lino Lakes	20	9,537.26	1,819.71	11,356.97
Little Canada	275	131,442.51	20,460.48	151,902.99
Long Lake	75	35,889.05	14,822.02	50,711.07
Mahtomedi	123	58,760.41	9,156.49	67,916.90
Maple Grove	650	310,752.16	59,142.24	369,894.40
Maple Plain	80	38,239.46	-0-	38,239.46
Maplewood	1,560	745,714.78	116,093.79	861,808.57
Medicine Lake	9	4,294.03	669.49	4,963.52
Medina	53	25,312.18	-0-	25,312.18
Mendota Heights	410	195,988.56	30,507.90	226,496.46
Minneapolis	23,900	11,424,740.94	1,778,594.18	13,203,335.12
Minnetonka	1,490	712,266.55	294,458.43	1,006,724.98
Minnetonka Beach	24	11,435.68	4,743.30	16,178.98
Minnetrista	62	29,606.20	12,252.28	41,858.48
Mound	405	193,638.15	80,037.61	273,675.76
Mounds View	440	210,362.26	40,034.73	250,396.99
New Brighton	800	382,394.66	72,790.05	455,184.71
New Hope	920	439,799.05	68,462.54	508,261.59
Newport	122	58,308.41	6,467.95	64,776.36
North Oaks	13	6,192.44	968.17	7,160.61
North St. Paul	525	250,997.34	39,072.16	290,069.50
Oakdale	540	258,093.80	40,184.53	298,278.33
Oak Park Heights	105	50,217.54	5,566.47	55,784.01
Orono	190	90,807.44	37,548.11	128,355.55
Osseo	122	58,308.40	11,100.69	69,409.09
Plymouth	1,790	855,687.14	133,206.85	988,893.99
Prior Lake	305	145,771.02	60,275.27	206,046.29
Richfield	1,015	485,225.37	75,533.32	560,758.69
Robbinsdale	505	241,369.67	37,583.84	278,953.51

<u>Local Government</u>	<u>Est. Flow (MG)</u>	<u>Treatment Works</u>	<u>Service Area</u>	<u>Total</u>
Rosemount	130	62,150.43	6,891.89	69,042.32
Roseville	1,590	760,043.28	118,323.69	878,366.97
St. Anthony	400	191,242.53	29,766.32	221,008.85
St. Bonifacius	29	13,876.50	5,730.51	19,607.01
St. Louis Park	2,390	1,142,437.93	177,861.48	1,320,299.41
St. Paul	20,500	9,799,473.26	1,525,570.18	11,325,043.44
St. Paul Park	140	66,896.47	7,422.30	74,318.77
Savage	165	78,874.54	-0-	78,874.54
Shakopee	750	358,528.90	148,218.03	506,746.93
Shoreview	670	320,289.42	51,681.81	371,971.23
Shorewood	190	90,807.43	37,548.11	128,355.54
South St. Paul	2,450	1,171,185.33	129,886.45	1,301,071.78
Spring Park	112	53,517.18	22,133.98	75,651.16
Spring Lake Park	198	94,649.45	18,015.22	112,664.67
Stillwater	800	382,394.66	-0-	382,394.66
Stillwater Township	1	497.20	-0-	497.20
Tonka Bay	70	33,448.23	13,833.74	47,281.97
Vadnais Heights	225	107,576.75	16,747.42	124,324.17
Victoria	47	22,464.55	9,288.52	31,753.07
Wayzata	270	129,046.90	53,358.41	182,405.31
West St. Paul	900	430,216.59	66,974.22	497,190.81
White Bear Lake	730	348,946.42	54,326.10	403,272.52
White Bear Township	150	71,732.90	11,164.95	82,897.85
Willernie	16	7,638.85	1,189.62	8,828.47
Woodbury	540	258,139.00	40,184.53	298,323.53
Waconia	130	62,150.43	25,690.92	87,841.35
Total	<u>94,557</u>	<u>\$45,200,313.92</u>	<u>\$7,706,844.08</u>	<u>\$52,907,158.00</u>

Construction Fund – Revenues & Expenditures

		Total Program
FUND BALANCE - December 31, 1979		\$23,799,257
REVENUES:		
Certified Federal Grants (Schedule 8)	50,125,084	
Certified State Grants (Schedule 9)	10,025,018	
Anticipated Grants (Schedule 10)	20,609,456	
Investment Income (Schedule 11)	2,475,000	
Miscellaneous	<u>10,000</u>	
Total Estimated Revenues	83,244,558	
EXPENDITURES:		
Previously Authorized Projects		
Encumbered Balance (Schedule 12)	42,264,776	
Unencumbered Balance (Schedule 12)	46,207,718	
Additional Requests 1981 (Schedule 12)	<u>8,187,393</u>	
Total Previously Authorized Projects	96,659,887	
Total New Projects (Schedule 13)	<u>7,375,000</u>	
Total Estimated Expenditures	104,034,887	
Local Funds Applied (expenditures-revenues)		\$ <u>20,790,329</u>
ESTIMATED FUND BALANCE		\$ <u><u>3,008,928</u></u>

Certified Federal Grants

Project No.	Grant	Project	Total Grant Amount	Earned As of 12/31/79	Balance Due	Estimated Amount 1980	Estimated Amount 1981
74-01 (400)	000-01	MWWTP - Sludge Thickening	\$ 22,879,150	\$ 22,589,635	\$ 289,515	\$ 259,515	\$ 30,000
(401&402)	000-02	MWWTP - Sludge Thermal Cond.	26,100,875	25,388,441	712,434	592,434	120,000
(403)	000-04	MWWTP - Digital Control System	6,419,925	4,050,954	2,368,971	744,285	996,375
(404&406)	000-03	MWWTP - Roll Type Presses	10,018,500	8,593,258	1,425,242	1,147,867	277,375
(407)	000-05	MWWTP - Sludge Incin. Equip.	7,081,800	3,872,046	3,209,754	2,195,887	1,013,867
(408)	000-06	MWWTP - Sludge Processing	53,985,000	30,782,113	23,202,887	13,987,484	8,310,520
(409)	000-07	MWWTP - Computer Guiding	1,510,275	1,085,456	424,819	375,000	49,819
71-13	012-001	Orono-Long Lake Interceptor	2,814,390	2,663,151	151,239	150,000	1,239
74-09	049-02	Apple Valley Interceptor	2,369,625	2,275,627	93,998	93,998	-0-
71-03	050-02	Lakeville-Farmington	13,249,977	13,031,977	218,000	171,500	46,500
71-09	666-02	Metro Compressors	2,268,075	1,437,609	830,466	22,469	556,406
77-01	094-01	Riverview Siphon	1,413,225	358,238	1,054,987	900,000	154,987
78-03	095-01	MWWTP - Interim Sludge Disp.	504,525	331,627	172,898	172,898	-0-
201	999-01	Facilities Planning Study	4,194,075	3,506,290	687,785	687,785	-0-
201	999-02	Facilities Planning Study	2,192,725	1,162,574	1,030,151	530,151	500,000
201	999-03	Facilities Planning Study	255,675	89,937	165,738	165,738	-0-
72-02	091-01	MWWTP - Compressor Building	12,385,350	-0-	12,385,350	5,235,430	5,641,351
76-07	100-01	MWWTP - Retrofit Process Control- Step II	1,104,750	-0-	1,104,750	450,000	654,750
77-06	001-01	Seneca Sludge Dewatering (Eqpt. Procurement)	219,525	-0-	219,525	49,500	170,025
79-06	008-01	Hastings Plant Impr. Step II	376,575	-0-	376,575	112,500	264,075
Totals			<u>\$171,344,017</u>	<u>\$121,218,933</u>	<u>\$50,125,084</u>	<u>\$28,044,441</u>	<u>\$18,787,289</u>

Certified State Grants

<u>Project No.</u>	<u>Grant</u>	<u>Project</u>	<u>Total Grant Amount</u>	<u>Earned As of 12/31/79</u>	<u>Balance Due</u>	<u>Estimated Amount 1980</u>	<u>Estimated Amount 1981</u>
74-01 (400)	000-01	MWWTP - Sludge Thickeners	\$ 4,575,830	\$ 4,517,927	\$ 57,903	\$ 51,903	\$ 6,000
(401&402)	000-02	MWWTP - Sludge Thermal Cond.	5,220,175	5,077,688	142,487	118,487	24,000
(403)	000-04	MWWTP - Digital Control System	1,283,985	810,191	473,794	148,857	199,275
(404&406)	000-03	MWWTP - Roll Type Presses	2,003,700	1,718,651	285,049	229,574	55,475
(407)	000-05	MWWTP - Sludge Incin. Equip.	1,416,360	774,409	641,951	439,177	202,774
(408)	000-06	MWWTP - Sludge Processing	10,797,000	6,156,423	4,640,577	2,797,496	1,662,104
(409)	000-07	MWWTP - Computer Building	302,055	217,091	84,964	75,000	9,964
71-13	012-01	Orono-Long Lake Interceptor	562,878	532,630	30,248	30,000	248
74-09	049-02	Apple Valley Interceptor	473,925	455,125	18,800	18,800	-0-
71-03 (410-413)	050-02	Lakeville-Farmington	2,649,995	2,606,395	43,600	34,300	9,300
71-09	666-02	Metro Compressors	453,615	287,522	166,093	4,493	111,282
77-01	094-01	Riverview Siphon	282,645	71,648	210,997	180,000	30,997
78-03	095-01	MWWTP - Interim Sldg. Disp.	100,905	66,325	34,580	34,580	-0-
201	999-01	Facilities Planning Study	838,815	701,258	137,557	137,557	-0-
201	999-02	Facilities Planning Study	438,545	232,515	206,030	106,030	100,000
201	999-03	Facilities Planning Study	51,135	17,987	33,148	33,148	-0-
72-02	091-01	MWWTP - Compressor Bldg.	2,477,070	-0-	2,477,070	1,047,086	1,128,270
76-07	100-01	MWWTP-Retrofit Process Control- Step II	220,950	-0-	220,950	90,000	130,950
77-06	001-01	Seneca Sludge Dewatering(Eqpt.Proc)	43,905	-0-	43,905	9,900	34,005
79-06	008-01	Hastings Plant Impr. - Step II	75,315	-0-	75,315	22,500	52,815
Totals			<u>\$34,268,803</u>	<u>\$24,243,785</u>	<u>\$10,025,018</u>	<u>\$5,608,888</u>	<u>\$3,757,459</u>

Anticipated Grants

(Federal & State Combined)

<u>Project</u>	<u>Name</u>	<u>Grant Income</u>
71-29	MWWTP Warehouse & Machine Shop	\$ 4,598,954
72-07	Seneca Maintenance & Dispatch Step II	189,392
74-07	Blue Lake Sludge	347,365
77-06	Seneca Sludge Dewatering(Installation)	306,245
79-05	Metro Plant Secondary Power Source-Step II	225,000
79-06	Hastings Plant Expansion - Step III	6,840,000
79-07	MWWTP - Pilot Plant Studies	450,000
79-79	I/I-Analysis/Community Grants	2,500,000 *
79-80	MWWTP - Additional Secondary Treatment Facilities	1,035,000
81-52	Seneca WWTP - Sludge Handlin Facilities	225,000
81-53	MWWTP - Central Laboratory	900,000
81-54	MWWTP - Screen & Grit Building Improvements	540,000
81-55	MWWTP - Service & Utility Improvements	720,000
81-56	MWWTP - F & I #2 - Improvements	112,500
81-57	MWWTP Rehab Proj. - Prim. Set. Tanks	630,000
81-58	MWWTP Rehab Proj. - Aer. Tks/Gal/F1 Set Tks	450,000
81-59	MWWTP Rehab Proj. - Comp. Build.	90,000
81-60	MWWTP Rehab Proj. - Sludge Conc. Tanks	90,000
81-61	MWWTP Rehab Proj. - Grav. Thick Slge Hld Tks.	270,000
81-62	MWWTP Rehab Proj. - Operation Center	<u>90,000</u>
	Total Anticipated Grants	<u>\$20,609,456</u>

* Includes \$250,000 Local Share to be Received from Communities.

Summary of Investment Income

Investment earnings for period
January through December, 1980
\$15 million x 8.0% \$ 1,200,000

Investment earnings for period
January through December, 1981
based on average investment balance
of \$10 million and yield of 7.5% 750,000

Investment earnings for period
January through December, 1982
based on average investment balance
of \$5 million and yield of 7.5% 375,000

Investment earnings for period
January through December, 1983
based on average investment balance
of \$2 million and yield of 7.5% 150,000

TOTAL \$ 2,475,000

Financial Status – Current Projects

Program No.	Project	Step Approval	Previously Appropriated	Additional Appropriations	Total Appropriations	Expenditures As of 12/31/79	Encumbered Balance	Unencumbered Balance
71-03	Lakeville-Farmington	III	\$ 19,330,000	\$ (330,000)	\$ 19,000,000	\$ 18,134,139	\$ 418,190	\$ 447,671
71-06	MWWTP-Pre-Treat	III	16,040,115	(600,000)	15,440,115	15,159,962	15,496	264,657
71-08	MWWTP-Aeration & Final	III	54,900,500	(3,900,000)	51,000,500	50,793,442	54,377	152,681
71-09	MWWTP- Compressors	III	3,115,000	300,000	3,415,000	2,237,311	706,149	471,540
71-13	Orono-Long Lake Intcp.	III	4,258,600	-0-	4,258,600	3,973,548	164,432	120,620
71-29	MWWTP-Warehouse	III	5,110,000	-0-	5,110,000	218,908	32,160	4,858,932
71-32	Little Canada-Shoreview	III	3,200,000	550,000	3,750,000	3,581,991	-0-	168,009
72-02	MWWTP-Compressor Bldg.	III	17,340,000	(800,000)	16,540,000	510,874	13,774	16,015,352
72-07	Maint. & Dispatch Bldg.	II	225,000	25,000	250,000	4,689	-0-	245,311
73-02	MWWTP-Sludge Disposal	II	7,866,000	550,000	8,416,000	8,362,643	-0-	53,357
74-01	MWWTP-Sludge Disposal	III						
(400)	Sludge Thickening Facilities	III	29,059,196	700,000	29,759,196	29,366,712	85,568	306,916
(401)	Sludge Thermal Cond. & Dewatering Equip.	III	17,160,747	-0-	17,160,747	16,392,032	433,550	335,165
(402)	Sludge Cond. & Storage Facilities	III	16,962,680	-0-	16,962,680	16,746,234	83,433	133,013
(403)	Digital Acquisition & Control System	III	7,621,600	700,000	8,321,600	4,902,973	2,376,751	1,041,876
(404)	Roll Type Cont. Presses & Accessories For Sludge Dewatering	III	3,829,880	-0-	3,829,880	3,285,377	409,237	135,266
(406)	Sludge Dewatering Bldg.	III	8,289,333	500,000	8,789,333	7,442,137	674,871	672,325
(407)	Sludge Processing Equipment	III	9,700,781	-0-	9,700,781	4,989,242	3,796,096	915,443
(408)	Sludge Processing Bldg.	III	71,980,000	-0-	71,980,000	39,247,710	29,397,898	3,334,392
(409)	Computer Building	III	2,100,000	-0-	2,100,000	1,423,058	510,618	166,324
74-01	TOTAL		166,704,217	1,900,000	168,604,217	123,795,475	37,768,022	7,040,720

Program No.	Project	Step Approval	Previously Appropriated	Additional Appropriations	Total Appropriations	Expenditures as of 12/31/79	Encumbered Balance	Unencumbered Balance
74-07	Blue Lake Sludge	II	\$ 2,575,039	\$ -0-	\$ 2,575,039	\$ 2,169,077	\$ -0-	\$ 405,962
74-10	Metro Disposal System Improvements	III	1,696,000	-0-	1,696,000	884,165	25,889	785,946
75-01	Ultimate Disposal Site	I	1,283,294	-0-	1,283,294	1,166,513	33,960	82,821
75-10	Engineering Services - NPDES Permits	I	120,000	-0-	120,000	50,750	316	68,934
75-50	Metro Planning	I	667,488	150,000	817,488	422,013	-0-	395,475
76-05	Metro System Emergency	III	1,500,000	-0-	1,500,000	994,402	136,100	369,498
76-07	MWWTP Retrofit Process Control	II	1,500,000	-0-	1,500,000	1,827	-0-	1,498,173
76-10	Industrial Waste Studies	I	473,526	(200,000)	273,526	153,142	-0-	120,384
76-13	Environmental Inventory & Assessment	I	553,732	-0-	553,732	273,444	144,943	135,345
76-17	Air Quality Monitoring	I	273,988	-0-	273,988	78,924	-0-	195,064
76-19	Managment Information & Process Control System	I	22,760	-0-	22,760	952	-0-	21,808
76-21	CAB Study	I	246,643	112,393	359,036	238,398	246	120,392
76-25	Southeast Area Study	I	604,477	(80,000)	524,477	402,405	-0-	122,072
76-26	Southwest Suburban Area	I	639,367	20,000	659,367	506,602	54,141	98,624
76-28	MWWTP Tertiary Treatment Facilities	I	885,068	-0-	885,068	627,342	137,986	119,740

Program No.	Project	Step Approval	Previously Appropriated	Additional Appropriations	Total Appropriations	Expenditures As of 12/31/79	Encumbered Balance	Unencumbered Balance
76-55	Combined Sewer Study	I	\$ 2,907,600	\$ (189,000)	\$ 2,718,600	\$ 2,089,893	\$ 269,896	\$ 358,811
76-56	Alternative Waste Management Systems	I	263,182	-0-	263,182	235,404	8,648	19,130
77-01	Riverview Siphon System	III	2,000,000	-0-	2,000,000	598,429	1,261,243	140,328
77-02	Metro Intcp. Impr.	III	395,000	-0-	395,000	59,479	-0-	335,521
77-03	EPA 208 Match	I	475,000	50,000	525,000	373,120	-0-	151,880
77-05	Beltline Reg./Intcp. Impr.	II	300,000	-0-	300,000	965	-0-	299,035
77-06	Seneca Sludge Dewatering	III	850,000	-0-	850,000	34,137	35,526	780,337
77-07	Anoka Interceptor	III	4,223,000	-0-	4,223,000	146,671	29,561	4,046,768
78-01	Future System Configuration	I	485,363	19,000	504,363	329,247	100,096	75,020
78-02	F & I #1 Scrubbers	III	1,237,700	360,000	1,597,700	1,457,571	2,608	137,521
78-03	Interim Sludge Disposal	III	750,000	-0-	750,000	571,280	28,960	149,760
78-04	Bloomington Intcp. Reloc.	III	756,086	-0-	756,086	18,734	637,057	100,295
79-05	MWWTP Secondary Power Source	II	250,000	-0-	250,000	598	-0-	249,402
79-06	Hastings Plant Improve.	III	493,625	7,600,000	8,093,625	880	-0-	8,092,745
79-07	MWWTP Pilot Plant Studies	I	500,000	-0-	500,000	-0-	-0-	500,000
79-08	Minneapolis East & West Metering Stations	III	530,000	-0-	530,000	2,069	-0-	527,931

Program No.	Project	Step Approval	Previously Appropriations	Additional Appropriations	Total Appropriations	Expenditures as of 12/31/79	Encumbered Balance	Unencumbered Balance
79-10	201 Facilities Plan- ning	I	\$ 200,000	\$ -0-	\$ 200,000	\$ 18,461	\$ -0-	\$ 181,539
79-50	Stipulation Agree- ment-Metro	I	405,000	-0-	405,000	-0-	185,000	220,000
79-79	I/I Analysis- Community Grants	III	1,000,000	1,500,000	2,500,000	-0-	-0-	2,500,000
79-80	MWWTP Additional Secondary Treatment Facility	II	<u>-0-</u>	<u>1,150,000</u>	<u>1,150,000</u>	<u>-0-</u>	<u>-0-</u>	<u>1,150,000</u>
TOTALS			<u>\$329,152,370</u>	<u>\$8,187,393</u>	<u>\$337,339,763</u>	<u>\$240,679,876</u>	<u>\$42,264,776</u>	<u>\$54,395,111</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 3-6-81 and will extend beyond that date if not available 99.8% of time.

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 12-31-79	13,031,977	2,606,395	2,495,768	18,134,140
During 1980	171,500	34,300	22,869	228,669
During 1981	46,500	9,300	581,391	637,191
Totals	<u>13,249,977</u>	<u>2,649,995</u>	<u>3,100,028</u>	<u>19,000,000</u>

Project 71-06 MWTP - 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 1981.

Status: It appears that meter number four is functioning properly and the Commission will proceed with change orders for meters #1, 2, & 3.

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 12-31-79	11,369,972	2,273,994	1,515,996	15,159,962
During 1980	-0-	-0-	75,000	75,000
During 1981	-0-	-0-	205,153	205,153
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 1981. The project was originally scheduled to be completed in 1978.

Status: The litigation and associated costs will extend into 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 12-31-79	38,095,082	7,619,016	5,079,344	50,793,442
During 1980	-0-	-0-	45,000	45,000
During 1981	-0-	-0-	162,058	162,058
Totals	<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 fall of 1981 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 12-31-79	1,437,609	287,522	512,180	2,237,311
During 1980	22,469	4,493	2,997	29,959
During 1981	556,406	111,282	44,587	712,275
During 1982	<u>251,591</u>	<u>50,318</u>	<u>133,546</u>	<u>435,455</u>
Totals	<u>2,268,075</u>	<u>453,615</u>	<u>693,310</u>	<u>3,415,000</u>

Project 71-13 Orono-Long Lake Interceptor

Description: The Orono-Long Lake Interceptor will phase out the Orono and the Long Lake Sewage Treatment Plants and carry the sewage from these locations to the Wayzata Interceptor with Ultimate destination of the sewage being the Blue Lake Plant.

Project 71-13 Orono-Long Lake Interceptor (continued)

Status: Construction commenced late in 1978 with completion in late 1980 or early 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 12-31-79	2,663,151	532,630	777,767	3,973,548
During 1980	150,000	30,000	20,000	200,000
During 1981	<u>1,239</u>	<u>248</u>	<u>83,565</u>	<u>85,052</u>
Totals	<u>2,814,390</u>	<u>562,878</u>	<u>881,332</u>	<u>4,258,600</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 under design and is scheduled for bids in the fall of 1980. 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 12-31-79	-0-	-0-	218,908	218,908
During 1980	813,525	162,705	107,456	1,083,686
During 1981	<u>3,018,937</u>	<u>603,787</u>	<u>184,682</u>	<u>3,807,406</u>
Totals	<u>3,832,462</u>	<u>766,492</u>	<u>511,046</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 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 12-31-79	2,686,493	537,299	358,199	3,581,991
During 1980	-0-	-0-	120,206	210,206
During 1981	-0-	-0-	47,803	47,803
Totals	<u>2,686,493</u>	<u>537,299</u>	<u>526,208</u>	<u>3,750,000</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 12-31-79	-0-	-0-	510,874	510,874
During 1980	5,235,430	1,047,086	187,184	6,469,700
During 1981	5,641,351	1,128,270	778,379	7,548,000
During 1982	<u>1,508,569</u>	<u>301,714</u>	<u>201,143</u>	<u>2,011,426</u>
Totals	<u>12,385,350</u>	<u>2,477,070</u>	<u>1,677,580</u>	<u>16,540,000</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.

Project 72-07 Maintenance & Dispatch Building (continued)

Description: (continued)

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

Status: Step I Planning is completed. Step II, Plans and Specifications, will be completed in 1981 with construction in 1981-1982.

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 12-31-79	-0-	-0-	4,689	4,689
During 1980	75,000	15,000	10,000	100,000
During 1981	<u>82,826</u>	<u>16,566</u>	<u>45,919</u>	<u>145,311</u>
Totals	<u>157,826</u>	<u>31,566</u>	<u>60,608</u>	<u>250,000</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 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 12-31-79	6,271,982	1,254,396	836,265	8,362,643
During 1980	-0-	-0-	36,509	36,509
During 1981	<u>-0-</u>	<u>-0-</u>	<u>16,848</u>	<u>16,848</u>
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 consists 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.

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

Status: The project is nearly complete and undergoing start up and performance testing and will be complete in 1981.

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 12-31-79	22,589,635	4,517,927	2,259,150	29,366,712
During 1980	259,515	51,903	41,066	352,484
During 1981	30,000	6,000	4,000	40,000
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 early 1981 and will be operational 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 12-31-79	12,559,675	2,511,935	1,320,422	16,392,032
During 1980	517,434	103,487	87,794	708,715
During 1981	45,000	9,000	6,000	60,000
Totals	<u>13,122,109</u>	<u>2,624,422</u>	<u>1,414,216</u>	<u>17,160,747</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 early 1981 and will be operation 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 12-31-79	12,828,766	2,565,753	1,351,715	16,746,234
During 1980	75,000	15,000	26,446	116,446
During 1981	75,000	15,000	10,000	100,000
Totals	<u>12,978,766</u>	<u>2,595,753</u>	<u>1,388,161</u>	<u>16,962,680</u>

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

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 12-31-79	4,050,954	810,191	41,828	4,902,973
During 1980	744,285	148,857	99,239	992,381
During 1981	996,375	199,275	132,850	1,328,500
During 1982	498,000	99,600	66,400	664,000
During 1983	130,311	26,062	277,373	433,746
Totals	<u>6,419,925</u>	<u>1,283,985</u>	<u>617,690</u>	<u>8,321,600</u>

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

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 December 1981; will be 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 12-31-79	2,631,411	526,282	127,684	3,285,377
During 1980	324,750	64,950	42,687	432,387
During 1981	84,087	16,817	11,212	112,116
Totals	<u>3,040,248</u>	<u>608,049</u>	<u>181,583</u>	<u>3,829,880</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 1981.

Project 74-01 (406) Sludge Dewatering 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 12-31-79	5,961,847	1,192,369	287,921	7,442,137
During 1980	823,117	164,624	109,749	1,097,490
During 1981	<u>193,288</u>	<u>38,658</u>	<u>17,760</u>	<u>249,706</u>
Totals	<u>6,978,252</u>	<u>1,395,651</u>	<u>415,430</u>	<u>8,789,333</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 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 12-31-79	3,872,046	774,409	342,787	4,989,242
During 1980	2,195,887	439,177	292,786	2,927,850
During 1981	<u>1,013,867</u>	<u>202,774</u>	<u>567,048</u>	<u>1,783,689</u>
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 December, 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 12-31-79	30,782,113	6,156,423	2,309,174	39,247,710
During 1980	13,987,484	2,797,496	1,864,999	18,649,979
During 1981	8,310,520	1,662,104	1,108,070	11,080,694
During 1982	<u>904,883</u>	<u>180,977</u>	<u>1,915,757</u>	<u>3,001,617</u>
Totals	<u>53,985,000</u>	<u>10,797,000</u>	<u>7,198,000</u>	<u>71,980,000</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 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 12-31-79	1,085,456	217,091	120,511	1,423,058
During 1980	375,000	75,000	50,000	500,000
During 1981	<u>49,819</u>	<u>9,964</u>	<u>117,159</u>	<u>176,942</u>
Totals	<u>1,510,275</u>	<u>302,055</u>	<u>287,670</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: The 201 plan is expected to be approved in 1980 which will allow the update of the Step II design to be initiated in late 1980 and complete 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 12-31-79	-0-	-0-	2,169,077	2,169,077
During 1980	135,000	27,000	38,000	200,000
During 1981	<u>154,471</u>	<u>30,894</u>	<u>20,597</u>	<u>205,962</u>
Totals	<u>289,471</u>	<u>57,894</u>	<u>2,227,674</u>	<u>2,575,039</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.

Project 74-10 Metro Disposal System Improvements (continued)

Description: (continued) 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 is presently about 40% completed. The design and construction of the improvements will be completed in 1981.

Annual Expenditures and Source of Funds:

<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12-31-79	884,165	884,165
During 1980	411,835	411,835
During 1981	400,000	400,000
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 early 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 12-31-79	842,617	168,523	155,373	1,166,513
During 1980	87,298	17,460	(26,952)	77,806
During 1981	32,480	6,495	-0-	38,975
Totals	<u>962,395</u>	<u>192,478</u>	<u>128,421</u>	<u>1,283,294</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 is issuing NPDES Permits for each of the treatment plants under the jurisdiction of the Metropolitan Waste Control Commission. Those plants which remain as permanent plants will require updating, revision or replacement in order to accomplish objectives. Each plant has its individual problems and requirements, and it will be necessary to determine the extent of revision before proceeding with any improvements. This item will be accomplished by retaining the services of a qualified engineer to make a detailed analysis of each plant and recommend procedures for complying with the requirements of the NPDES Permits.

Project 75-10 Engineering Services - NPDES Permits (continued)

Status: NPDES Permits will be revised in the early 1980's.

Annual Expenditures and Source of Funds:

<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12-31-79	50,750	50,750
During 1980	-0-	-0-
During 1981	35,000	35,000
During 1982	<u>34,250</u>	<u>34,250</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 12-31-79	422,013	422,013
During 1980	200,000	200,000
During 1980	<u>195,475</u>	<u>195,475</u>
Totals	<u>817,488</u>	<u>817,488</u>

Project 76-05 Metro System Emergency & Power Factor Correction

Description: An adequate number of emergency electric generators of various sizes will be acquired so they can be used throughout the Metropolitan Disposal System wherever power outages occur.

The system includes 19 wastewater treatment plants and 50 major sewage pumping stations which require a continuous supply of electricity. Many of these locations do not have emergency electric generating facilities. Portable emergency electric generating facilities are needed to prevent major pollution problems when there is a public power failure. This project (purchase of generators) will supplement the project in the 1974 Capital Budget which provided for the telemetry and switch gear at many of the sites.

Status: Current projects are essentially completed. However, new projects will be initiated to provide additional power factor corrections on standby generation.

Project 76-05 Metro System Emergency & Power Factor Correction (continued)

Annual Expenditures and Source of Funds:

<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12-31-79	994,402	994,402
During 1980	50,000	50,000
During 1981	200,000	200,000
During 1982	<u>255,598</u>	<u>255,598</u>
Totals	<u>1,500,000</u>	<u>1,500,000</u>

Project 76-07 MWWTP Retrofit Process Control

Description: Conduct the engineering to provide controls to alleviate instrumentation and control problems with the existing and expanded facility and meet standards. It is planned to initiate a project which consists of the furnishing and installation of a highly instrumented and direct digital control system for the Metro Treatment Plant. The control system will tie the existing portions of the plant into the new single centralized system provided under the sludge disposal project and allow the utmost in efficient operation.

Status: The Step II design work will be initiated in mid 1980 and completed in the spring of 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 12-31-79	-0-	-0-	1,827	1,827
During 1980	450,000	90,000	60,000	600,000
During 1981	<u>654,750</u>	<u>130,950</u>	<u>112,473</u>	<u>898,173</u>
Totals	<u>1,104,750</u>	<u>220,950</u>	<u>174,300</u>	<u>1,500,000</u>

Project 76-10 Industrial Waste Studies

Description: To comply with industrial cost recovery provisions of the act, Metropolitan Waste Control Commission efforts are necessary in addressing problems and design criteria required for the industrial contributors. Also development of rules and regulations for Local Pretreatment Program.

Status: To be completed in July 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 12-31-79	115,736	23,147	14,259	153,142
During 1980	47,014	9,403	7,441	63,858
During 1981	<u>42,394</u>	<u>8,478</u>	<u>5,654</u>	<u>56,526</u>
Totals	<u>205,144</u>	<u>41,028</u>	<u>27,354</u>	<u>273,526</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 reserve capacity. Also to prepare an environmental impact statement for the residual solids management and combined sewer study elements of facilities planning.

Status: The study will be completed in July 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 12-31-79	205,083	41,016	27,345	273,444
During 1980	135,278	27,056	18,037	180,371
During 1981	74,938	14,988	9,991	99,917
Totals	<u>415,299</u>	<u>83,059</u>	<u>55,374</u>	<u>553,732</u>

Project 76-17 Facilities Planning to Comply with Air Quality Standards

Description: To obtain sufficient data on particulate and gas emissions from sewage incinerators to be used for future design of Systems and Optimization of improvements and to consider Ambient Air Quality in the evaluation of future facility design.

Status: The study will be completed in July 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 12-31-79	59,193	11,838	7,893	78,924
During 1980	8,055	1,611	1,074	10,740
During 1981	138,243	27,648	18,433	184,324
Totals	<u>205,491</u>	<u>41,097</u>	<u>27,400</u>	<u>273,988</u>

Project 76-19 Management Information & Process Control System

Description: The study generally reviews current potential for application of data processing, data acquisition and process control as part of the Metropolitan Disposal System. The additional study will be undertaken to analyze needs outlined in the Management Information/Process Control System Study and formulate an implementation plan for the complete automation of treatment plant process control.

Project 76-19 Management Information & Process Control System (continued)

Status: To be completed by July 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 12-31-79	714	143	95	952
During 1980	411	82	55	548
During 1981	<u>15,945</u>	<u>3,189</u>	<u>2,126</u>	<u>21,260</u>
Totals	<u>17,070</u>	<u>3,414</u>	<u>2,276</u>	<u>22,760</u>

Project 76-21 CAB Study

Description: This program constitutes an area of study for purposes of developing alternative solutions for transmission and treatment of sewage within the north area, Champlin, Anoka, Brooklyn Park and also the Blain-Ham Lake area.

Status: To be completed by July 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	178,798	35,760	23,840	238,398
During 1980	82,542	16,508	11,006	110,056
During 1981	<u>7,937</u>	<u>1,587</u>	<u>1,058</u>	<u>10,582</u>
Totals	<u>269,277</u>	<u>53,855</u>	<u>35,904</u>	<u>359,036</u>

Project 76-25 Southeast Area Study

Description: This program constitutes an area of study for purposes of developing alternative solutions for transmission and treatment of sewage within the Dakota and Washington County area.

Status: To be completed in July 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 12-31-79	301,804	60,361	40,240	402,405
During 1980	49,114	9,823	6,549	65,486
During 1981	<u>42,440</u>	<u>8,487</u>	<u>5,659</u>	<u>56,586</u>
Totals	<u>393,358</u>	<u>78,671</u>	<u>52,448</u>	<u>524,477</u>

Project 76-26 Southwest Suburban Area Study

Description: This program constitutes an area of study for purposes of developing alternative solutions for transmission and treatment of sewage within the Southwest area.

Status: Study to be done by July 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 12-31-79	379,951	75,990	50,661	506,602
During 1980	105,322	21,064	14,043	140,429
During 1981	9,252	1,851	1,233	12,336
Totals	<u>494,525</u>	<u>98,905</u>	<u>65,937</u>	<u>659,367</u>

Project 76-28 MWWTP Tertiary Treatment Facilities

Description: This program constitutes an area of study for purposes of developing alternative solutions for transmission and treatment of sewage within the Metro area. Study will include planning for the digital control system of the existing plant at MWWTP. It will also include a study of an alternate power source and access road above the higher river levels at MWWTP.

Status: To be completed in July 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 12-31-79	470,507	94,101	62,734	627,342
During 1980	161,766	32,354	21,569	215,689
During 1981	31,528	6,305	4,204	42,037
Totals	<u>663,801</u>	<u>132,760</u>	<u>88,507</u>	<u>885,068</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 July 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 12-31-79	1,567,420	313,484	208,989	2,089,893
During 1980	393,472	78,694	52,464	524,630
During 1981	78,058	15,612	10,407	104,077
Totals	<u>2,038,950</u>	<u>407,790</u>	<u>271,860</u>	<u>2,718,600</u>

Project 76-56 Alternative Waste Management Systems

Description: Wastewater Management and Facilities Planning required by the "201" process directs evaluation of alternative systems leading toward the selection of a plan. This element is designed to investigate a principle alternative dealing with onsite disposal feasibility related to hydrological, geological, physiographical and other factors which influence the suitability of this method of sewage disposal. This element will address the feasibility of onsite disposal and will be incorporated into segment two of the contemplated 201 grant application. During that time the results of this study will be included amongst the many alternatives then under consideration.

Status: To be completed in December 1980.

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 12-31-79	176,553	35,310	23,541	235,404
During 1980	<u>20,833</u>	<u>4,167</u>	<u>2,778</u>	<u>27,778</u>
Totals	<u>197,386</u>	<u>39,477</u>	<u>26,319</u>	<u>263,182</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: The project is scheduled for completion in late 1980.

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 12-31-79	358,238	71,648	168,543	598,429
During 1980	900,000	180,000	120,000	1,200,000
During 1981	<u>154,987</u>	<u>30,997</u>	<u>15,587</u>	<u>201,571</u>
Totals	<u>1,413,225</u>	<u>282,645</u>	<u>304,130</u>	<u>2,000,000</u>

Project 77-02 Metro Interceptor Improvements

Description: This project consists of corrective measures for the elimination of restrictions, structural deficiencies, equipment replacement and to achieve conformance with codes in the Metropolitan Disposal System.

Project 77-02 Metro Interceptor Improvements (continued)

Status: The first project (program contains several projects) will be constructed in late 1980. Other rehabilitation projects will follow in 1981 and 1982.

Annual Expenditures and Source of Funds:

<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12-31-79	59,479	59,479
During 1980	200,000	200,000
During 1981	<u>135,521</u>	<u>135,521</u>
Totals	<u>395,000</u>	<u>395,000</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 1980.

Annual Expenditures and Source of Funds:

<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12-31-79	373,120	373,120
During 1980	114,000	114,000
During 1981	<u>37,880</u>	<u>37,880</u>
Totals	<u>525,000</u>	<u>525,000</u>

Project 77-05 Beltline Regulator/Interceptor Improvements

Description: The project consists of replacement of the Lower Beltline Regulator located near the intersection of Warner Road and TH No. 61 in St. Paul and replacement of the sanitary interceptor from that structure to the MWCC joint interceptor.

Status: The Step II design work will start in late 1980 and be completed during 1981.

Project 77-05 Beltline Regulator/Interceptor Improvements (continued)

Annual Expenditures and Source of Funds:

	<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to	12-31-79	965	965
During	1980	50,000	50,000
During	1981	<u>249,035</u>	<u>249,035</u>
Totals		<u>300,000</u>	<u>300,000</u>

Project 77-06 Seneca Sludge Dewatering

Description: The dewatering improvement will consist of an additional vacuum filter unit. The unit will be similar to the existing vacuum filters and will consist of a 14 foot long, 12 foot diameter filter and associated appurtenances. A dewatering capacity of 4-5 wet tons/hour will be provided and will result in an adequate match between the dewatering and incineration capacity. In addition to the vacuum filter, 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. We have started preparing plans and specifications for the installation of this device and this will be completed by end of 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	12-13-79	-0-	-0-	34,137	34,137
During	1980	49,500	9,900	6,600	66,000
During	1981	<u>425,229</u>	<u>85,046</u>	<u>239,588</u>	<u>749,863</u>
Totals		<u>474,729</u>	<u>94,946</u>	<u>280,325</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 1982.

Project 77-07 Anoka Interceptor (continued)

Annual Expenditures and Source of Funds:

<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12-31-79	146,671	146,671
During 1980	50,000	50,000
During 1981	3,000,000	3,000,000
During 1982	<u>1,026,329</u>	<u>1,026,329</u>
Totals	<u>4,223,000</u>	<u>4,223,000</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 July 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 12-31-79	246,935	49,387	32,925	329,247
During 1980	101,150	20,230	13,486	134,866
During 1981	<u>30,187</u>	<u>6,037</u>	<u>4,026</u>	<u>40,250</u>
Totals	<u>378,272</u>	<u>75,654</u>	<u>50,437</u>	<u>504,363</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. Enviromental 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).

Project 78-02 MWTP F & I No. 1 Air Pollution Control Equipment (continued)

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 July 1981.

Annual Expenditures and Source of Funds:

<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12-31-79	1,457,571	1,457,571
During 1980	130,129	130,129
During 1981	10,000	10,000
Totals	<u>1,597,700</u>	<u>1,597,700</u>

Project 78-03 Interim Sludge Disposal

Description: The Minnesota Pollution Control Agency has initiated proceedings to require the MWCC to implement an "interim" sewage sludge disposal program to overcome existing sludge disposal deficiencies until the Metro Plant expansion is finished. Based on a report by CED/CH2M Hill, the Metropolitan Council amended its Waste Management Policy Plan to enable the MWCC to develop a detailed program. This was developed, and the Development Program amendment and Capital Budget request was forwarded to the Metropolitan Council in June, 1978.

Status: The projects are operational and the 3 projects will be all finalized in late 1980.

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 12-13-79	331,627	66,325	173,328	571,280
During 1980	<u>172,898</u>	<u>34,580</u>	<u>(28,758)</u>	<u>178,720</u>
Totals	<u>504,525</u>	<u>100,905</u>	<u>144,570</u>	<u>750,000</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 1981.

Project 78-04 Bloomington Interceptor Relocation (continued)

Annual Expenditures and Source of Funds:

<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12-31-79	18,734	18,734
During 1980	20,000	20,000
During 1981	<u>717,352</u>	<u>717,352</u>
Totals	<u>756,086</u>	<u>756,086</u>

Project 79-05 MWWTP Secondary Power Source

Description: A 201 "segmented" project to provide the MWWTP with a second source of electrical power should the primary source fail as per EPA criteria to provide uninterrupted sewage treatment.

Status: Step II design is scheduled for 1981 subject to agency approvals.

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 12-31-79	-0-	-0-	598	598
During 1980	-0-	-0-	-0-	-0-
During 1981	<u>187,500</u>	<u>37,500</u>	<u>24,402</u>	<u>249,402</u>
Totals	<u>187,500</u>	<u>37,500</u>	<u>25,000</u>	<u>250,000</u>

Project 79-06 Hastings Plant Improvements and Expansion

Description: Engineering Design Services for the design of wastewater treatment facilities at the existing Hastings Plant site in accordance with the Hastings Service Area Segmented Facilities Plan as prepared by Henningson, Durham & Richardson and dated May, 1979.

Status: Plans and specs will be completed in early 1980 and construction by 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 12-31-79	-0-	-0-	879	879
During 1980	112,500	22,500	15,000	150,000
During 1981	3,264,075	652,815	425,856	4,342,746
During 1982	<u>2,700,000</u>	<u>540,000</u>	<u>360,000</u>	<u>3,600,000</u>
Totals	<u>6,076,575</u>	<u>1,215,315</u>	<u>801,735</u>	<u>8,093,625</u>

Project 79-07 MWWTP Pilot Plant Studies

Description: A 201 segmented project (76-28 MWWTP Tertiary Treatment Facilities) to provide data to optimize secondary treatment and investigate advanced forms of treatment at the MWWTP.

Status: The Pilot Plant Studies have not been approved and are scheduled in 1981 or 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>
During	1980	187,500	37,500	25,000	250,000
During	1981	187,500	37,500	25,000	250,000
		<u>375,000</u>	<u>75,000</u>	<u>50,000</u>	<u>500,000</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: 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	12-31-79	2,069	2,069
During	1980	400,000	400,000
During	1981	127,931	127,931
Totals		<u>530,000</u>	<u>530,000</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 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.

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

Status: Will be completed in July 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 12-31-79	13,845	2,769	1,847	18,461
During 1980	53,769	10,754	7,169	71,692
During 1981	<u>82,386</u>	<u>16,477</u>	<u>10,984</u>	<u>109,847</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 July 1981.

Annual Expenditures and Source of Funds:

<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
During 1980	355,000	355,000
During 1981	<u>50,000</u>	<u>50,000</u>
Totals	<u>405,000</u>	<u>405,000</u>

Project 79-79 - 1/1 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 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>
During 1980	75,000	15,000	10,000	100,000
During 1981	900,000	180,000	120,000	1,200,000
During 1982	<u>900,000</u>	<u>180,000</u>	<u>120,000</u>	<u>1,200,000</u>
Totals	<u>1,875,000</u>	<u>375,000</u>	<u>250,000</u>	<u>2,500,000</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.

Project 79-80 MWWTP Additional Secondary Treatment Facilities (continued)

Status: The plans and specs 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>
During	1981	862,500	172,500	115,000	1,150,000

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 71-13 Orono-Long Lake Intcp.

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 MWWTP - 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 MWWTP Instrumentation

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

Project 76-10 Industrial Waste Studies

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

Project 76-13 Environmental Inventory & Assessment

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

Project 76-17 Air Quality Monitoring

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

Project 76-19 Management Information & Process Control System

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

Project 76-21 CAB Study

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 76-25 Southeast Area Study

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

Project 76-26 Southwest Suburban Area

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

Project 76-28 MWWTP Tertiary Treatment Facilities

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 77-01 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 77-02 Metro Intcp. Impr.

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

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. Improvment

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 79-05 MWWTP Secondary Power

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

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 79-07 MWWTP Pilot Plant Studies

Source of Authorization: Included in the Waste Management Policy Plan. A 201 segmented project source, 76-28 MWWTP Tertiary Treatment Facilities.

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.

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.

REQUEST FOR ADDITIONAL FUNDING

Project 71-03 Empire Plant

Reason for Decrease: The decrease of \$330,000 is due to completion of the major elements of the projects and the resultant costs being lower than originally projected.

Project 71-06 MWWTP - Pre-treatment

Reason for Increase: The increase of \$175,000 is due to the oscillation problem with the four (4) 72" diameter magnetic flow meters.

Project 71-08 MWWTP - Aeration and Final Tanks

Reason for Increase: The increase of \$100,000 is due to litigation with the contractor over piling, jetting and associated costs.

Project 71-09 Metro Compressors

Reason for Increase: The increase of \$300,000 is due to additional costs accruing due to the delayed completion of the Compressor Building where these compressors will be installed (from 1979 to 1982). These costs include insurance, additional shipping costs (due to inflation), storage costs, and also additional installation costs (due to inflation).

Project 71-32 Little Canada-Shoreview Intcp.

Reason for Increase: The increase of \$550,000 is due to installation of a steel sheeted trench due to the problem of the clay soil and other costs relative to the delay in construction.

Project 72-07 Maint. & Dispatch Bldg.

Reason for Increase: The reason for the increase of \$25,000 is the higher labor costs due to the two year delay.

Project 73-02 MWWTP - Sludge Disposal

Reason for Increase: The increase of \$550,000 is due to additional design services that have been required.

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

Reason for Decrease: The decrease of \$800,000 is due to the low bid for the construction being less than the original estimate.

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

Reason for Increase: The increase of \$700,000 is due to additional piling costs of approximately \$400,000 and other change orders which include new float sludge pumps to be installed.

Project 74-01 (403) Digital Acquisition and Control System

Reason for Increase: The increase of \$700,000 is due to the purchase of a simulator (\$250,000) to train employees and the addition of numerous points of control (not included in original bid).

Project 74-01 (406) Sludge Dewatering Building

Reason for Increase: The increase of \$500,000 is due to the addition of the north load out facility (as required by the stipulation agreement) and also the remodeling of the conveyer system.

Project 75-50 Metro Planning

Reason for Increase: The increase of \$150,000 is required in order to reimburse the Metropolitan Council for costs of reviewing the Development Program and Capital Budget Amendments, in addition to other data relating to the Construction Fund.

Project 76-10 Industrial Waste Studies

Reason for Decrease: The decrease of \$200,000 is due to the reduced scope of the project.

Project 76-21 CAB Study

Reason for Increase: The increase of \$112,393 is due to the increased scope of the study.

Project 76-25 Southeast Area Study

Reason for Decrease: The decrease of \$80,000 is due to the reduced scope of the study.

Project 76-26 Southwest Suburban Area

Reason for Increase: The increase of \$20,000 is an increase in the contract amount due to increased project management and increased level of service associated with the contract.

Project 76-55 Combined Sewer Study

Reason for Decrease: The decrease of \$189,000 is due to the reduction of monitoring and sampling program and thus less related costs.

Project 77-03 EPA 208 Match

Reason for Increase: The increase of \$50,000 is due to the budget forwarded from the Metropolitan Council indicating the need for additional 25% matching funds.

Project 78-01 Future System Configuration

Reason for Increase: The increase of \$19,000 is due to increased project management and increased level of service associated with the contract.

Project 78-02 F & I #2 Scrubbers

Reason for Increase: The increase of \$360,000 is due to additions and modifications to the equipment furnished under the original contract.

Project 79-06 Hastings Plant Improvements

Reason for Increase: The increase of \$7,600,000 is required for Step III (construction work) on the Hastings Plant. Step II work will be completed in 1980.

Project 79-79 I/I Analysis-Community Grants

Reason for Increase: The increase of \$1,500,000 is due to the receipt of additional grants. There is no cost to the MWCC as participating communities pick up the local share.

Project 79-80 MWWTP - Additional Secondary Treatment Facility

Reason for Increase: The reasons for the \$1,150,000 have already been submitted to the Metropolitan Council in a 1980 Budget Amendment.

SCHEDULE OF
PROJECTS COMPLETED OR TO BE COMPLETED IN 1980

<u>Project Number</u>	<u>Name of Project</u>
76-56	Alternative Waste Management Systems
78-03	Interim Sludge Disposal

SUMMARY OF NEW PROJECTS - REQUEST FOR FUNDING

<u>Project No.</u>	<u>Project Name</u>	<u>Step</u>	<u>Estimated Cost</u>
81-51	Lake Gervais-Interceptor	II	600,000
81-52	Seneca MWWTP - Sludge Handling Facilities	II	*250,000
81-53	MWWTP - Central Laboratory	II	*1,000,000
81-54	MWWTP - Screen & Grit Building Improvements	II	*600,000
81-55	MWWTP - Service And Utility Improvements	II	*800,000
81-56	MWWTP - F & I #2 Improvements	II	*125,000
81-57	MWWTP Rehab Project - Primary Settling Tanks	II	*700,000
81-58	MWWTP Rehab Project - Aeration Tanks/ Gallery/Final Settling Tanks	II	*500,000
81-59	MWWTP Rehab Project - Compressor Building	II	*100,000
81-60	MWWTP Rehab Project - Sludge Concentration Tanks	II	*100,000
81-61	MWWTP Rehab Project - Gravity Thickening and sludge Holding Tanks	II	*300,000
81-62	MWWTP Rehab Project-Operation Center	II	*100,000
81-63	Planning, Programming, Budgeting, Systems	II	<u>200,000</u>
	Total Request for Funds - Step II		<u>\$5,375,000</u>
81-64	Meter Station Improvements	III	1,000,000
81-65	Miscellaneous Capital Improvements	III	<u>1,000,000</u>
	Total Request for Funds - Step III		<u>\$2,000,000</u>
	Total Request for Funds (step II & III)		<u><u>\$7,375,000</u></u>

*Funded 75% by Federal Grants and 15% by State Grants.

REQUEST FOR FUNDING

Project 81-51 Lake Gervais Interceptor

Description: The project provides for a 60 inch 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.

Resources Required:

Step II Detail Engineering	\$ 600,000
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Annual Expenditures:

During 1981	<u>600,000</u>
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Total	\$ 600,000
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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.

Resources Required:

Step II Detail Engineering	\$ 250,000
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Annual Expenditures:

During 1981	<u>250,000</u>
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Total	\$ 250,000
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Project 81-53 MWWTP Central Laboratory

Description: The project provides for a two story laboratory building at the Metro Plant. The facilities are needed to provide analytical space for industrial waste, bacteriology, colorimetry, research and development and quality control. The facilities will allow proper application of the more complicated waste treatment technology and monitoring requirements.

Resource Required:

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

During 1981	<u>1,000,000</u>
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Total	\$ 1,000,000
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Project 81-54 MWWTP Screen and Grit Building Improvements

Description: The project provides for the installation of new aerated grit removal equipment and modification to the chambers to replace the existing gravity grit chambers. The project also contains provisions for improvements to the electrical structural and HVAC in other areas of the building.

Resources Required:

Step II Detail Engineering	\$ 600,000
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Annual Expenditures:

During 1981	<u>600,000</u>
Total	\$ 600,000

Project 81-55 MWWTP Service and Utility Improvements

Description: The project provides for improvements to the source of water supply, electric power distribution to the older portions of the plant, the joint interceptor, and the diversion structure at 3rd and Commercial.

Resources Required:

Step II Detail Engineering	\$ 800,000
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Annual Expenditures:

During 1981	<u>800,000</u>
Total	\$ 800,000

Project 81-56 MWWTP F & I #2 Improvements

Description: The project provides for improvements to the belt conveyors systems which will continue to serve the eight vacuum filters. The eight filters will serve as standby or emergency sludge dewatering units to the new four roll-press type sludge dewatering units. The conveyor improvements and appurtenances will assure effective standby capability of the existing equipment.

Resource Required:

Step II Detail Engineering	\$ 125,000
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Annual Expenditures:

During 1981	<u>125,000</u>
Total	\$ 125,000

Project 81-57 MWWTP Rehab Project - Primary Settling Tanks

Description: The west battery primary settling tanks were erected in 1938 and consist of six settling tanks, the pump and blower building, the filter service building and associated pipe galleries. After over 40 years of continuous operation, most of the equipment is deteriorated, badly worn and/or obsolete. The reinforced concrete structures of the facilities will be usable for another 20 years through the modifications and upgrading contained in this project.

Resources Required:

Step II Detail Engineering	\$ 700,000
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Annual Expenditures:

During 1981	<u>700,000</u>
Total	\$ 700,000

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

Description: The east and west battery activated sludge process facilities have operational problems regarding scum collection and removal during winter months as they are susceptible to freezing. Thus, the modifications and renovations are urgently needed.

Resources Required:

Step II Detail Engineering	\$ 500,000
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Annual Expenditures:

During 1981	<u>500,000</u>
Total	\$ 500,000

Project 81-59 MWWTP Rehab Project - Compressor Building

Description: The compressor building contains a generator that will be replaced by the new generator that will be installed under Project 72-02. However, the existing generator can be used to supply emergency power for Phase I facilities with certain modifications. This project will make those modifications and also modify the existing building to provide the space.

Resources Required:

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

During 1981	<u>100,000</u>
Total	\$ 100,000

Project 81-60 MWWTP Rehab Project - Sludge Concentration Tanks

Description: Two of the sludge concentration tanks are more than 40 years old, and their collection mechanisms and bucket elevator are obsolete. This project will upgrade the units so that they can cope with new secondary sludge treatment facilities provided in the latest improvements.

Resources Required:

Step II Detail Engineering \$ 100,000

Annual Expenditures:

During 1981 100,000

Total \$ 100,000

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

Description: These facilities are 15 years old and will be upgraded so as to be usable for another 20 years. Also, to conform with MPCA's air pollution regulations, current national electrical codes, and related regulations. In addition, the project will correct operational problems due to surface freezing in the winter and offensive odor emission in the summer.

Resources Required:

Step II Detail Engineering \$ 300,000

Annual Expenditures:

During 1981 300,000

Total \$ 300,000

Project 81-62 MWWTP Rehab Project - Operation Center

Description: To modify the present administration building, after the central laboratory has been completed, to house the additional administrative staff required due to the plant expansion. Also, to provide an operator training center and upgrade electrical, heating, etc.

Resources Required:

Step II Detail Engineering \$ 100,000

Annual Expenditures:

During 1981 100,000

Total \$ 100,000

Project 81-64 Meter Station Improvement

Description: The project will consist of the installation of eight new meter stations and improvements to ten existing flow meters. The improvements are necessary to accurately measure sewage from metropolitan communities.

Resources Required:

Step III Construction	\$1,000,000
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Annual Expenditures:

During 1981	<u>1,000,000</u>
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Total	\$1,000,000
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Project 81-63 Planning, Programming, Budgeting, Systems

Description: The project will continue evaluation of Facility plans for inclusion in the five-year Development Program and develop draft priority parameters for continued update of the Development Program. The project required 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).

Resources Required:

Planning, Programming, Budgeting, Systems	\$ 200,000
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Annual Expenditures:

During 1981	<u>200,000</u>
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Total	\$ 200,000
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Project 81-65 Miscellaneous Capital Improvements

Description: The project replaces project 74-10 which consists of numerous improvements to the interceptor system and waste treatment plants to aid in the future effective operation of the Metropolitan Disposal System. Prior Council approval will be sought before contracts are awarded.

Resources Required:

Step III Construction	\$1,000,000
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Annual Expenditures:

During 1981	<u>1,000,000</u>
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Total	\$1,000,000
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Status of Authorized Personnel

<u>Department/Plant</u>	<u>Proposed 1981</u>	<u>Actual 1980</u>
Administration	16	16
Engineering	37	37
Quality Control	77	77
Construction		
Central Office	3	3
Field Office	65	68
Operations		
Central Office	14	14
Empire	27	24
Metro Plant	387	308
Seneca Plant	47	47
Blue Lake Plant	31	30
Anoka	3	3
Maple Plain	2	2
Savage	2	2
Cottage Grove	4	4
Chaska	4	4
Bayport	1	1
Stillwater	6	5
Rosemount	7	10
South St. Paul	12	12
Hastings	5	5
Interceptor System	52	52
Business Services	14	13
Comptroller	<u>15</u>	<u>15</u>
TOTAL	<u>831</u>	<u>752</u>

6.01.80

METROPOLITAN WASTE CONTROL COMMISSION

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Richard J. Dougherty

DEPUTY
CHIEF ADMINISTRATOR
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Cost Estimates
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Capital Programs
Statistical Data
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Field Inspection
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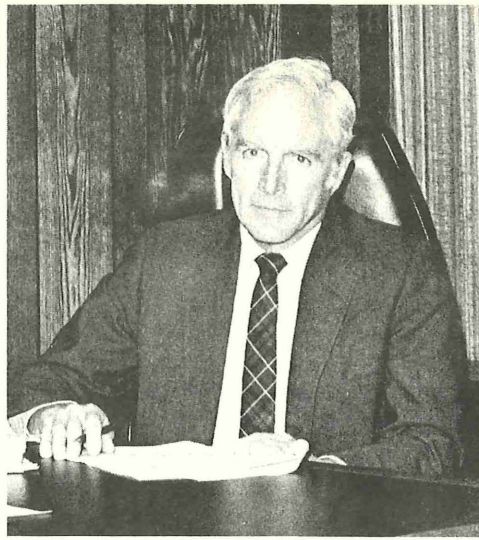
Lab Services
River Monitor
Indust. Waste
Res. & Develop.
Lake Survey
Special Services
Sampling
Process R. & D.

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

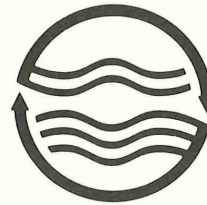
Purchasing
Personnel
Employee Servcs.
Career Develop.
Labor Relations
Inventory

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

Commission Members and Precincts



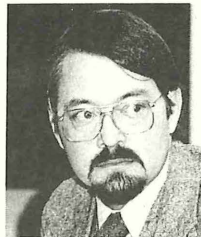
Chairman Salisbury Adams



**METROPOLITAN
WASTE
CONTROL
COMMISSION**
Twin Cities Area



William T. Wallrich



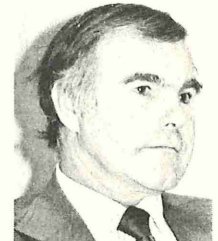
Richard A. Beens



W. Glen Wallace



Carol M. Flynn



Frank A. Horak



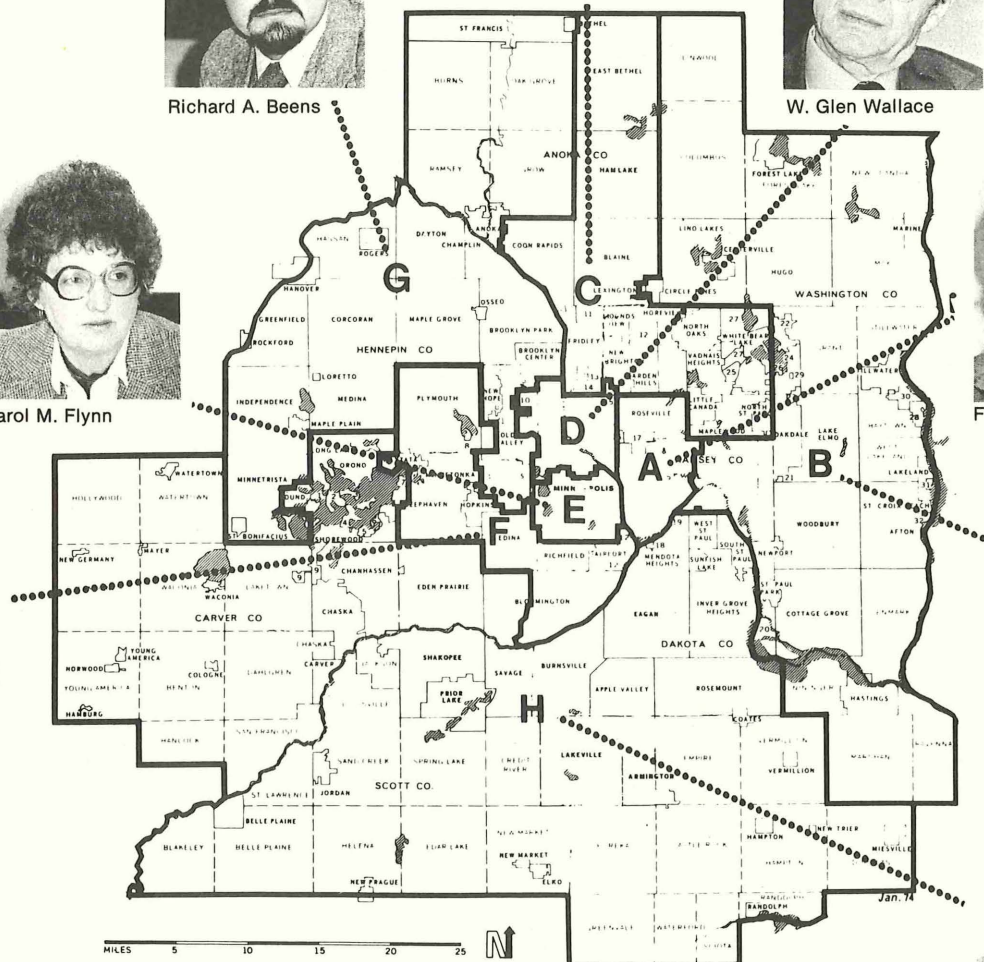
C. Wayne Courtney



Calvin J. Brookman



M. Edward Ramsdell



METROPOLITAN WASTE CONTROL COMMISSION MEMBERS & PRECINCTS
Salisbury Adams, Chairman

Precinct A: Frank A. Horak	Precinct E: Carol M. Flynn
Precinct B: Calvin J. Brookman	Precinct F: C. Wayne Courtney
Precinct C: William T. Wallrich	Precinct G: Richard A. Beens
Precinct D: W. Glen Wallace	Precinct H: M. Edward Ramsdell