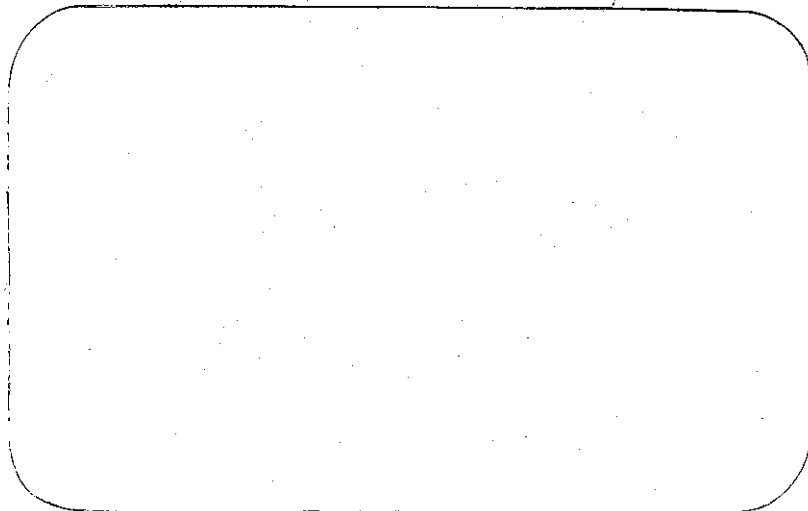


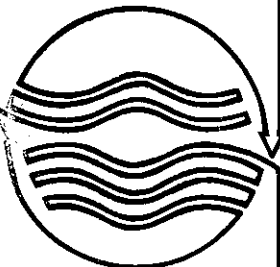
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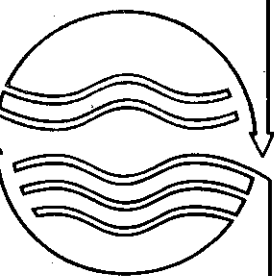
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METROPOLITAN WASTE CONTROL COMMISSION

1985 PROGRAM BUDGET

OFFICIALLY APPROVED OCTOBER 16, 1984



August 6, 1984

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

Dear Chairman Meintsma and Commissioners:

Enclosed for your review and consideration in accordance with Minnesota Statute 473.163, is the Proposed 1985 Program Budget for the Metropolitan Waste Control Commission covering the period January 1 through December 31, 1985.

The procedure followed in the preparation of the Program Budget was initiated by the Program Managers preparing their budget requests based upon their objectives in 1985. These requests were then reviewed, along with their associated costs, with their Department Director. Budgets were reduced by a joint decision of the Department Director and Program Manager, and the total Budget as presented to the Budget Committee totalled approximately a 10.36% increase. The Budget Committee, consisting of Director of Operations, Human Relations Director, and the Comptroller, met with each Department Director and Program Manager and further reduced the total budget increase to approximately 8.57%. Additional reviews by the Budget Committee and the Commission reduced the budget increase to 6.99%.

Expenditures for the administration, operation and maintenance of the Metropolitan Disposal System during 1985 totals \$90,252,506. This amount represents a \$5,899,081, or a 6.99% increase in proposed expenditures over the current year's budget. Of the 6.99% Budget increase, Debt Service accounts for over one-half or 3.71%. The remaining 3.28% is due to new facilities/programs at the Metro Plant to meet increased air and water quality standards and inflationary increases on labor and materials. The total proposed expenditures of \$90,252,506 are detailed and described in 53 program budgets as indicated on Schedules 3 through 3-27. Each program budget indicates a description of the program, performance criteria and total resources required. You will find that program budgets and performance measurements, which emphasize results, not dollars spent, will tell you a great deal more about our activities and whether they meet community needs and requirements than the traditional line-item budgeting. In addition, this budgeting concept outlines a considerable amount of information in an understandable manner.

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Members of the Commission
August 6, 1984
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Some of the significant items in the Proposed 1985 Budget are as follows:

Salaries, Wages & Benefits - Proposed costs for salaries, wages and benefits total \$28,582,399, an increase of \$857,422 or 3.25%. This increase is attributed to 21 new positions of which 18 of these positions are for new facilities at the Metro Plant. In addition, pay increases have been provided for current employees in accordance with various labor agreements and compensation plans.

Debt Service & Acquisition Costs - Debt Service and Acquisition Costs for 1985 total \$28,970,140, an increase of \$3,126,623 or 12.1%. The increase is due to increased principal payments on existing Debt Service. This is the second year of the Debt Service Balloons which were programmed into the 1971 and 1972 Bond Sales in order to reduce interest costs. Refunding these bonds was considered by the Commission and Council but as the additional cost would be approximately \$11 million, it was decided not to do a refunding but to incorporate the increased principal payments in the budget for 1985, and subsequent years. Of the 6.99% budget increase, Debt Service accounts for over one-half or 3.71%.

Personnel Summary - The personnel requirement for 1985 requires 21 new positions resulting in a total complement of 960 employees. These new positions are required for the administration, operation and maintenance of the Metropolitan Disposal System as follows: one (1) Safety Inspector; one (1) Electrician and one (1) Painter Apprentice for the maintenance of the Interceptor Systems; Eighteen (18) new employees for the expanded facilities at Metro, including five (5) Pipefitters, three (3) Electricians, four (4) Machinists, and six (6) for instrumentation.

Sewer Service Charges - Allocation of current use charges to local governments being served by the Metropolitan Disposal System is estimated to cost \$80.32 per 100,000 gallons (per family) based on flow volume of 96,458 million gallons. This is an increase of 2.92% from 1984. Our Metropolitan Area sewer charges continue to be below the median (and also the mean) for the larger Metropolitan Area of the United States.

The Honorable Peter E. Meintsma, Chairman
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Sewer Rates for 1985 Compared to 1984 per 100,000 gallons:

<u>Typical Community</u>	<u>Cost Center</u>	<u>1984 Rate</u>	<u>Proposed 1985 Rate</u>	<u>Percent Increase</u>
Hastings	T.W.	67.60	69.35	2.59
Minneapolis	S.A. #1	76.65	78.60	2.54
Coon Rapids	S.A. #2	81.42	85.83	5.42
Anoka	S.A. #3	90.19	99.99	10.87
Deephaven	S.A. #4	93.56	94.98	1.52
Bloomington	S.A. #5	79.87	81.47	2.00
Newport	S.A. #6	75.34	78.68	4.43

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

<u>Cost Center</u>	<u>Current Use %</u>	<u>Current Use Debt Service</u>	<u>Reserve Cap. %</u>	<u>Reserve Cap. Debt Service</u>
TW	.749101	\$14,097,195	.250899	\$ 4,721,623
S.A. #1	.684773	1,335,401	.315227	614,736
S.A. #2	.337109	434,570	.662891	854,538
S.A. #3	.327572	192,952	.672428	396,085
S.A. #4	.279652	308,703	.720348	795,180
S.A. #5	.242358	133,638	.757642	417,769
S.A. #6	.197808	98,046	.802192	397,616
TOTAL		<u>\$16,600,505</u>		<u>\$ 8,197,547</u>

The total Reserve Capacity requirement is \$8,197,547. Based on our analysis, we are proposing that the present SAC charge of \$425 will continue except that communities who do not have interceptor service will pay \$180 SAC fee per unit. Any deficit occurring during the year due to reduced construction and housing activities will be made up from the surplus balance in the SAC Fund, which at the end of 1983 was \$15,987,379.

Industrial Strength Charges - This system anticipates revenues from an estimated 150 firms located in 31 units of government with estimated revenues of \$4,066,000.

In summary, the 1985 Proposed Operating Budget of \$90,252,506 is an increase of \$5,899,081 or 6.99% over the 1984 Budget. This proposed increase is attributed to the following:

The Honorable Peter E. Meintsma, Chairman
Members of the Commission
August 6, 1984
Page 4

(a) New facilities/programs (required to meet increased air and water quality standards) at the Metro Plant.	1.04%
(b) Additional Debt Service Cost	3.71%
(c) General Increase (Primarily Due to Inflation)	<u>2.24%</u>
Total Increase	<u>6.99%</u>

Capital Budget

The Capital Improvements Program contains 50 projects for which \$345,359,937 has been appropriated during the past several years.

It is anticipated that two (2) of these will be closed out during the current year and the remaining authorized projects will require total expenditures of \$153,068,459. Of this amount, \$27,953,952 has been encumbered and the balance of \$125,114,507 will be encumbered during the next years. A detailed financial status of these projects is shown on Schedule 12. In addition, fourteen (14) new projects are being proposed in the amount of \$4,500,000 and described on Schedule 13.

Revenues to finance these projects include certified federal grants (net) \$21,361,025; certified state grants \$4,422,206; anticipated grants \$44,881,850; investment earnings \$3,450,000, due from local governments \$83,534, and miscellaneous income of \$50,000, and fund balance as of December 31, 1984 or \$25,989,908 resulting in total revenues of \$100,238,523. Proposed expenditures for previously approved projects and new proposed projects total \$157,568,459, which results in a deficit fund balance of \$57,329,936 which will require sales of bonds to completely finance these projects. Over one-half of these expenditures of \$57,329,936 will occur after 1985. To finance the funds required in 1984 and 1985, a bond sale will be required in the last part of 1984 of \$22 million.

In submitting the 1985 Program Budget to the Commission, I wish to point out that many members of the staff have contributed significantly to the preparation of the Budget. Their expertise, experience and judgment have been exceedingly valuable. The task, at this

The Honorable Peter E. Meintsma, Chairman
Members of the Commission
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point, is for the Commissioners to review the objectives and programs contained in this Budget and thereafter in subsequent public meetings to hear and consider input from the Council, local government officials and other interested parties. The staff, as usual, will provide you our complete cooperation and assistance in the review process.

Very truly yours,

A handwritten signature in cursive script, reading "Louis J. Breinhurst". The signature is written in dark ink and is positioned above the printed name and title.

Louis J. Breinhurst
Chief Administrator

LJB:RLB:pp

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GOALS AND OBJECTIVES

General Goal

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

Objectives

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

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

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

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

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

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

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

General Fund - Revenues & Expenditures

	<u>Proposed 1985</u>	<u>Budget 1984</u>	<u>Actual 1983</u>
<u>ESTIMATED REVENUES:</u>			
Sewer Service Charges-Communities	\$77,478,959	\$73,182,490	\$67,499,199
Industrial Strength	4,066,000	3,310,000	3,833,912
Service Availability Charges	8,197,547	7,585,935	5,557,756
Investment Earnings	425,000	225,000	486,031
Industrial Discharge Permits	10,000	-0-	806
Other	<u>75,000</u>	<u>50,000</u>	<u>86,534</u>
TOTAL ESTIMATED REVENUES	<u>\$90,252,506</u>	<u>\$84,353,425</u>	<u>\$77,464,238</u>
<u>ESTIMATED EXPENDITURES:</u>			
Program	\$61,282,366	\$58,509,908	\$50,394,542
Debt Service	24,798,052	21,771,429	18,281,473
Acquisition Costs	<u>4,172,088</u>	<u>4,072,088</u>	<u>4,069,088</u>
TOTAL ESTIMATED EXPENDITURES	<u>\$90,252,506</u>	<u>\$84,353,425</u>	<u>\$72,745,103</u>
Transfer to SAC Reserve			\$ 1,661,242
Due to Local Governments			<u>4,719,148</u>
GRAND TOTAL			<u>\$79,125,493</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

ADMINISTRATION & MANAGEMENT (001) (Cont.)

Performance Criteria - (continued)

4. To administrate, in cooperation with the Operations Department, a 97% compliance with NPDES effluent limitations at the Metro Plant and 96% compliance at all other plants and maintain a severity rate of less than 35% at all plants except Metro (40%);
5. To achieve the affirmative action goals in maintaining a program of recruitment, selection, upward mobility and training that will measure improvement in the overall employment of minorities, females, and the handicapped;
6. Maintain Administrative Manual consistent with Commission policy directives.
7. To administrate, in cooperation with the Engineering Department, the completion of plans and specifications and the presentation of the Capital Program on schedule.

Resources Required: \$783,108

Work Hours Required: 8,750

COMMISSION ADMINISTRATION (002)

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

1. Review and/or prepare memorandums, resolutions and other pertinent data for presentation to Committee and/or Commission meetings;
2. Prepare and present various operational reports on all major functions of the Commission;

COMMISSION ADMINISTRATION (002) (Cont.)

Description - (continued)

3. Promptly report and communicate all major items that have or could have any adverse effect on the Commission;
4. Carry out all Commission directives and requests.

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: \$190,830

Work Hours Required: 6,450

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 the handicapped.

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

AFFIRMATIVE ACTION/EEO (003) (Cont.)

Description - (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 programs;
5. Increase minority and female employees in professional and managerial categories;
6. Recruit and employ handicapped, where applicable.

Resources Required: \$99,683

Work Hours Required: 4,500

PUBLIC INFORMATION (004)

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

1. Provide information and educational programs regarding pollution control objectives, activities and responsibilities to government organizations, the news media, individual citizens, and educational institutions;
2. Increase the level of government official and citizen 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) (Cont.)

Description - (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 1984 Annual Report by February 21, 1985;
2. Produce and distribute 12 issues of OUTFALL Newsletter and Employee Newsletter and Employee News;
3. Produce special reports, brochures, presentations and projects as assigned;
4. Perform the following aspects of Information Program to fulfill Commission and Selection 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 program - all within the deadlines.

Resources Required: \$146,194

Work Hours Required: 4,500

SAFETY (005)

Description:

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

SAFETY (005) (Continued)

Description: (continued)

4. Provide all employees with safety information relative to on-the-job and home safety issues;

Performance Criteria:

1. Compliance with site audit schedule and issuance on notice of non-compliance for violation of MWCC Safety policies or OSHA Regulations;
2. Monthly reports issued to program Managers; bi-annually report to Commission.
3. Number of analyses conducted compared to number requested; issue reports within 7 days of completion of analysis testing;
4. Provide quarterly newsletter to all employees; issue safety bulletins relative to special needs, equipment and work methods as necessary.

Resources Required: \$210,770

Work Hours Required 9,000

HUMAN RESOURCE MANAGEMENT (006)

Description: To provide health, 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. Provide career and job-related training opportunities for MWCC Employees;
2. Develop a management development Program to provide a systematic process of training and growth;
3. Design an employee wellness program;
4. Provide health screening services for employees. In addition, each employee would be provided educational materials.

HUMAN RESOURCE MANAGEMENT (006) (Cont.)

Performance Criteria:

1. Process Career Development requests within five (5) days of receipt;
2. Results in the development of a management development program;
3. Was an employee wellness program designed?
4. How many employees were processed through the health screening services?

Resources Required: \$134,108

Work Hours Required: 100

GRANTS ADMINISTRATION (007)

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

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

Performance Criteria:

1. To review statutes, executive orders, agency regulations and programs concerning federal and state grant requirements and the availability of funds;
2. To coordinate and administer grant activities in cooperation with the Minnesota Pollution Control Agency, Metropolitan Council, State Planning Agency, State Historical Society, Environmental

GRANTS ADMINISTRATION (007) (Cont.)

Performance Criteria: (continued)

Protection Agency and the Corps of Engineers;

3. 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 1985.

Resources Required: \$73,406

Work Hours Required: 3,900

ENGINEERING ADMINISTRATION (008)

Description: To administrate the department's responsibilities in an effective and efficient manner. Engineering Administration includes the following:

1. Preparation and presentation of Commission Business Items;
2. Review and recommend action on interceptor acquisition requests;
3. Make responses to requests and correspondence;
4. Continuously update design standards and criteria;
5. Provide effective supervision and make annual personnel evaluations;
6. Attend staff meetings to establish Commission policies and objectives;
7. Provide timely planning and design for the implementation of capital improvement projects;
8. Prepare the annual department program budget;
9. Accomplish the Administration within the available resources.

ENGINEERING ADMINISTRATION (008) (Cont.)

Performance Criteria:

1. Were Business Items prepared and presented effectively and timely?
2. Was review and recommended action on interceptor acquisition requests effective and timely?
3. Were responses to requests and correspondence made effectively and timely?
4. Were design standards and criteria continuously updated?
5. Was effective supervision provided and were annual personnel evaluations performed in a timely manner?
6. Were staff meetings attended to establish Commission policies and objectives?
7. Was timely planning and design for the implementation of capital improvement projects provided?
8. Was the annual department program budget prepared in a timely manner?
9. Was Administration within the available resources accomplished?

Resources Required: \$219,670

Work Hours Required: 6,755

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 application, watershed plans as requested;
3. To review and recommend approval of sewer connection permit application, rental agreements and interceptor use policies;
4. To obtain, determine, evaluate, and assign actual sewage flow for communities based on metered and unmetered flow information and to project estimated community flows, interceptor and treatment capacities for use in the Cost Allocation program;

COMMUNITY SERVICES (009) (Cont.)

Description: (continued)

5. To study, determine and assign Service Availability Charge (SAC) units for non-industrial users of the Metropolitan Disposal System;
6. Accompany Operations Department in surveys to evaluate the condition of the interceptor system. Prepare improvements and request the design and construction of needed facilities.

Performance Criteria:

1. Prepare for and obtain Commission approval for 25-50 community comprehensive sewer plans (CSP's). Review and comment on about 25 community CSP elements to the community and Metropolitan Council. Provide comments to the community and MPCA on about 250 community sewer improvement projects;
2. Provide comments on 200 environmental impact statements, NPDES permits and A-95 reviews to the Metropolitan Council;
3. Review and obtain approval of approximately 50 interceptor connection permit applications and sewer rental agreements;
4. Determine, review and assign the actual sewage flow volumes (150 metered and 70 unmetered) for all 101 communities and report these total flows on both a quarterly and annual basis. Provide the assigned treatment works and interceptor capacities and the estimated sewage flow volumes for 101 communities in the 1986 Cost Allocation Program. Provide routine sewage flow and special flow analysis data to communities in a timely manner to 40 communities. Prepare, distribute, collect and analyze "Survey of Sewer Use Data Forms" for 101 communities to obtain information on present and proposed sewer use and sewer connections;
5. Determine and assign the SAC units in a timely manner and furnish the results to the communities in either oral (1000+) or written (120-180) communi-

COMMUNITY SERVICES (009) (Cont.)

Performance Criteria: (continued)

cations. Expand the present chart on SAC unit determinations to include additional commercial, public and institutional uses;

6. Survey and evaluate existing and potential interceptor problem areas and establish a preventive maintenance program.

Resources Required: \$215,534

Work Hours Required: 10,165

ENGINEERING SERVICES (010)

Description:

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

Performance Criteria:

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

Resources Required: \$186,793

Work Hours Required: 7,915

QUALITY CONTROL ADMINISTRATION (011)

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

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

Performance Criteria:

1. Number of program and budgetary objectives achieved, and the number of program manager's meetings held;
2. Number of meetings held with other department directors;
3. Number of external meetings attended and the number of external requests for data fulfilled by the department.

QUALITY CONTROL ADMINISTRATION (011) (Cont.)

Performance Criteria:

4. Date of completion of budget and annual report;
5. Number of personnel reviews and studies made of personnel use and accommodations;
6. Extent of changes implemented in electronic data processing;
7. Number of employees participating in career development and number of papers presented.

Resources Required: \$127,995

Work Hours Required: 4,110

INDUSTRIAL WASTE (012)

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

1. Plan and coordinate the industrial waste program;
2. Maintain a current inventory of permittees and wastes contributed to the MDS;
3. Process all industrial discharge permit applications received;
4. Process all industrial SAC applications received;
5. Administer the strength charge system;
6. Conduct 180 industry investigations;
7. Conduct 60 treatment plant, sewer system or spill program investigations;
8. Enforce the waste discharge rules for the MDS;
9. Attend conferences on industrial waste technology;
10. Prepare an annual industrial waste report by March 1.

INDUSTRIAL WASTE (012) (Cont.)

Performance Criteria:

1. Comparison of objectives met and resources used;
2. Number of permittees late in reporting and those properly inventoried;
3. Number of applications processed in 60 days and total number received;
4. Number of applications processed in 10 days and total number received;
5. Dollar amount of bills prepared;
6. Number of investigations conducted and number projected;
7. Number of investigations conducted and number projected;
8. Percent of known violations remaining unresolved for 90 days;
9. Value of conferences attended;
10. Date of completion.

Resources Required: \$676,770

Work Hours Required: 37,550

RESEARCH AND DEVELOPMENT (013)

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

1. Sponsor external research projects which address MWCC needs in the following areas: ammonia removal using rooted aquatic vegetation, ammonia reaction with receiving water constituents, ammonia toxicity to indigneous fish, ash utilization, sludge bulking and the impact of suspended material on light attenuation and algal productivity;
2. Conduct evaluation of disinfection alternatives for MWCC facilities;
3. Continue evaluation of bouyant filter media;

RESEARCH AND DEVELOPMENT (013) (Cont.)

Description: (continued)

4. Conduct evaluation of treatment methods available to improve effluent quality during critical water quality limiting periods;
5. Evaluation of innovative sludge management methods for Blue Lake and smaller plants;
6. Initiate characterizations of nitrification kinetics in Mississippi and Minnesota Rivers;
7. Initiate evaluation of fine bubble aeration - test methods;
8. Review R & D activities of other agencies;
9. Prepare annual report by March 1.

Performance Criteria:

1. Quality and usefulness of reports;
2. Project status and quality of reports;
3. Project status and quality of reports;
4. Project status and quality of reports;
5. Project status and quality of reports;
6. Project status and quality of reports;
7. Project status and quality of reports;
8. Status of R & D Library;
9. Quality of report and date completed.

Resources Required: \$429,754

Work Hours Required: 12,110

WATER QUALITY MONITORING (014)

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

1. Plan and coordinate the water quality monitoring program;

WATER QUALITY MONITORING (014) (Cont.)

Description: (continued)

2. Conduct the routine river monitoring network:
 - a) Maintain automatic monitors at 9 stations;
 - b) Collect 840 conventional grab samples;
 - c) Collect 150 water, sediment, and biota samples for analysis of toxics;
 - d) Collect 140 samples for analysis of aquatic organisms.
3. Conduct 10 static and flow-thru toxicity tests of Commission treatment plant effluents;
4. Conduct special studies and prepare reports as required;
5. Conduct an intensive river study per Metro WWTP NPDES Compliance Schedule;
6. Attend conferences on water quality issues;
7. Prepare an annual report of river water quality by October 1;
8. Prepare an annual report of effluent toxicities by September 1;
9. Prepare an annual report of program activities by March 1.

Performance Criteria:

1. Comparison of objectives met and resources used;
2.
 - a. Number of monitor-units in operation;
 - b. Number of samples collected;
 - c. Number of samples collected;
 - d. Number of samples collected.
3. Number of tests conducted;
4. Number of studies and reports completed;
5. Date of completion;
6. Written assessment of request processed;
7. Date of completion;
8. Date of completion;
9. Date of completion;

Resources Required: \$531,886

Work Hours Required: 22,390

LABORATORY SERVICES (015)

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

1. Conduct 1,562 successful sampling pickups to collect samples from all treatment plants;
2. Conduct 192,000 laboratory analyses and prepare appropriate reports upon completion of analyses as follows:
 - a) 41,000 analyses for NPDES monitoring of treatment plants;
 - b) 23,000 analyses for area rivers;
 - c) 68,000 analyses for treatment plant control;
 - d) 20,000 analyses of support of special studies;
 - e) 10,000 analyses for industrial waste;
 - f) 25,000 analyses for internal laboratory quality assurance.
3. Prepare preliminary monthly NPDES summary reports by the 7th day of each month;
4. Prepare monthly NPDES compliance monitoring reports by the 20th day of each month;
5. Prepare an annual report on laboratory activity by March 1;
6. Prepare an annual report on treatment plant performance by July 1;
7. Maintain professional stature through attendance at conferences on analytical chemistry and biological analyses and review of technical publications;
8. Visit Blue Lake, Seneca, and Empire Plants five (5) times each week and visit nine (9) additional treatment plants twice each month to provide

LABORATORY SERVICES (015) (Cont.)

Description: (continued)

- calibration and maintenance of laboratory instrumentation sampling equipment, and continuous monitoring instrumentation;
9. Maintain laboratory equipment and supplies inventory system;
 10. Provide analytical method development capabilities for the following analysis requested of the laboratory that are of a non-routine nature: a) solvents, b) total toxic organics, c) differentiation and identification of oils (animal, veg., mineral);
 11. Conduct monthly safety meetings for all staff, implement and participate on Safety Committee.
 12. Re-evaluate the existing Quality Assurance program to develop and implement a new system that provides: a) improved cost effectiveness; b) a measure and record of the control status of all analytical procedures on a timely basis; c) a measure of the precision and accuracy of all reported test results; d) a mechanism for maintaining the control status of all analytical procedures within acceptable limits; e) indicators of overall laboratory performance quality as a means of achieving an on-going improvement.

Performance Criteria:

1. Number of samples not taken compared to number scheduled;
2. Compare number of analyses conducted to number planned in programs;
3. Number of summary reports completed by the 7th day of the month compared to number scheduled;
4. Number completed by the 20th day of the month compared to number scheduled;
5. Compare time of completion to scheduled date;
6. Compare time of completion to scheduled date;

LABORATORY SERVICES (015) (Cont.)

Performance Criteria: (continued)

7. Assess specific value of conferences and publications to program activities;
8. Percentage of time laboratory instrumentation and monitoring equipment not functioning and number of visits made compared to number scheduled;
9. Assess cost savings of inventory systems;
10. Number of non-routine requests processed compared to number requested;
11. Number of monthly meetings held;
12. Have the specified program defined and operating as evidenced by quarterly status reports and a final report by December 15, detailing the mechanisms by which each of the objective elements have been achieved.

Resources Required: \$1,366,765

Work Hours Required: 79,500

AIR QUALITY MONITORING (016)

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

1. Conduct stack emission tests at the Metropolitan and Seneca Treatment Plants for the following parameters and prepare reports:
 - a) Particulates - semi-annually;
 - b) SO_x - annually;
 - c) NO_x - annually;
 - d) Hydrocarbons - annually;
 - e) Heavy metals - semi-annually.

AIR QUALITY MONITORING (016) (Cont.)

Description: (continued)

2. Conduct continuous H₂S monitoring at the Seneca, Metropolitan and Blue Lake Treatment Plants;
3. Conduct odor monitoring by odor panel method at the Blue Lake, Seneca, and Metropolitan Treatment Plants monthly during high odor season (April - September);
4. Conduct weekly opacity monitoring on stacks at the Metropolitan and Seneca Plants;
5. Conduct daily calibration of opacity meters at the Metropolitan and Seneca Plants;
6. Conduct odor monitoring tests in support of evaluation of odor abatement equipment, and compliance monitoring requirements;
7. Prepare an annual air quality report by July 1;
8. Prepare an annual report on air monitoring activities by March 1;
9. Attend conferences on air quality monitoring;
10. Collect daily meteorological data for the Blue Lake, Seneca and Metropolitan Plants to support location of odor monitoring units;
11. Perform sampling and analysis as required by special studies requested for Engineering, Operations and Safety Department.

Performance Criteria:

1. Number of stack emission tests completed as compared to number scheduled;
2. Number of monitors operating as compared to number scheduled;
3. Number of tests conducted as compared to number scheduled;

AIR QUALITY MONITORING (016) (Cont.)

Performance Criteria: (continued)

4. Number of tests completed as compared to number scheduled;
5. Number of calibrations completed compared to number scheduled;
6. Number of tests requested compared to number scheduled;
7. Compare time of completion to scheduled date;
8. Compare time of completion to scheduled date;
9. Assess value of conference to program activities;
10. Number of data points collected compared to number scheduled;
11. Number of tests requested compared to number of tests completed.

Resources Required: \$137,193

Work Hours Required: 6,540

SLUDGE UTILIZATION ON LAND (017)

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

1. Administer contract for land application of Metro Plant Sludge;
2. Obtain MPCA Letters of Approval for disposal of liquid sludges on 500 acres;
3. Maintain data files on sludge characteristics, site characteristics, legal descriptions, loading rates and well water analyses;
4. Initiate program of on-site storage of liquid digested sludge;
5. Prepare quarterly reports summarizing all sludge utilization activities within 45 days of end of quarter;
6. Arrange for lease of MWCC owned farm land;
7. Prepare annual report by March 1.

SLUDGE UTILIZATION ON LAND (017) (Cont.)

Performance Criteria: (continued)

Performance Criteria:

1. Contractor's compliance with contract terms;
2. Acres permitted;
3. Status of files;
4. Obtain agreement with land owner for on-site storage;
5. Date reports published;
6. Status of lease documents;
7. Date report completed.

Resources Required: \$321,944

Work Hours Required: 2,550

CONSTRUCTION ADMINISTRATION (018)

Description:

1. Prepare four quarterly Program Managers Reports covering an estimated 30 construction contracts including:
 - a) Cost of construction inspection and contract administration;
 - b) Review and evaluation of the processing of an estimated 200 change orders;
 - c) Review and evaluation of the processing of construction contract payments.
2. Inspect 12 third party construction projects directly affecting MWCC;
3. Inspect 35 new sewer connections to MWCC interceptors.

Performance Criteria:

- 1a. Complete construction in accordance with the contract plans and specifications at a cost for all

CONSTRUCTION ADMINISTRATION (018) (Cont.)

Performance Criteria: (continued)

Construction Inspection and Administration not to exceed 4%. This cost includes material testing, schedule management, MWCC Construction personnel, and field office and equipment costs;

- 1b. Process Change Orders with 90% of these provided to the Chief Administrator three (3) days prior to mailing to the Commission;
- 1c. Process monthly Construction Payments with 90% of these provided to the Chief Administrator three (3) days prior to mailing to the Commission;
2. Number of third party construction projects inspected;
3. Number of inspections on new service connections to interceptors.

Resources Required: \$17,462

Work Hours Required: 900

BUSINESS SERVICES ADMINISTRATION (019)

Description: The Business Service department manages all Central Office operational functions as well as inter-departmental sections of Personnel Labor Relations, Purchasing and Employee Benefits, including insurance.

1. Manage Central Office business functions including telephone system, mail distribution, office allocations, and security;
2. Provide Xerox services for Central Office personnel and coordinate all other Xerox equipment placement and needs;

BUSINESS SERVICES ADMINISTRATION (019) (Cont)

Description: (continued)

3. Maintain an efficient central file system for communications and paid invoices;
4. Oversee activities of purchasing, benefits and insurance, and personnel and labor related sections;
5. Regularly meet with Program Managers discussing progress, or lack thereof, toward objectives;
6. Prepare and present or direct the preparation and presentation of business items as they relate to labor, personnel, benefits and purchasing matters;
7. Conduct quarterly departmental staff meetings dealing with and discussing Commission activities and/or problem areas.

Performance Criteria:

1. Quarterly contact telephone representative and analyze monthly telephone billing account, post all mail in least expensive class, maintain contacts with lessor relative to Central Office space needs and office security;
2. Assist non-clerical office personnel regarding Xerox needs, review all Commission Xerox agreements; insure 90 percent of Central Office copy requests filled the day requested where possible to maximize duplexing efforts;
3. Remove all 1983 invoices by end of February. Update typed retrieval lists of all files on hand;
4. Evaluate change recommendations in procedures from interdepartmental sections;
5. Quarterly sit down with individual Program Managers to discuss objectives and offer help as requested;
6. All business items to be prepared on a timely basis;

BUSINESS SERVICES ADMINISTRATION (019) (Cont.)

Performance Criteria: (continued)

7. Conduct four (4) staff departmental meetings.

Resources Required: \$258,946

Work Hours Required: 6,250

PERSONNEL SERVICES (020)

Description:

1. Maintain recruitment and placement procedures in accordance with EEOC, Minnesota Department of Human Rights and the MWCC Affirmative Action Program. Initiate needed policy or procedure changes. Assist protected class members in seeking employment;
2. Maintain current personnel files on all employees providing review services for supervisory personnel as well as the employees themselves. Monitor standard list of contents to be contained in each file and purge files of any extraneous data;
3. Investigate and provide, if needed, necessary tests for selected job classifications including studies evaluating comparable jobs in other local or state agencies;
4. Review and change hiring procedures as needed. Acknowledge, in writing, applications. Insure proper exposure to Department Directors of applications for all openings;
5. Provide directors with evaluation and probationary forms assuring that each is filled out with appropriate information for the Administration Department review;
6. Continue and expand Employee Assistance Program through timely EAP bulletins. Investigate possibility of additional training/seminar activities for supervisors;
7. Maintain and update all employee lists including address and seniority

PERSONNEL SERVICES (020) (Cont.)

Description: (continued)

- as well as initiate same for retired employees;
8. Expand and update training modules for basic human resource management components;
9. Represent the MWCC in filed charges relating to our policies or practices; present the MWCC position in un-employment compensation disputes;
10. Review and update as needed all job classification descriptions for salaried employees;

Performance Criteria:

1. 75% of employees hired in three weeks or less from closing date indicated on job posting. Chart placements to include time frames and minority hiring;
2. 30 personnel files reviewed monthly; monitor standard list of contents to be contained in each file and purge files of any extraneous data;
3. Update structured interview questions for three positions to assure job-related objectivity;
4. Acknowledge all applications within three (3) days. Continue control and routing method for various departmental reviews;
5. Maintain receipt of written probationary and evaluation forms assuring that appropriate, specific and job-related information is provided for Administration Department review;
6. Provide six (6) EAP bulletins dealing with available services or programs. Provide two (2) in-service seminars for MWCC personnel relating to referral procedures;
7. Semi-annually provide address lists and make seniority list changes two (2) days from date hired or promoted;

PERSONNEL SERVICES (020) (Cont.)

Performance Criteria: (continued)

8. Conduct two (2) in-house workshops covering specific component(s) of basic resource management;
9. Respond timely to all information requests from investigative agencies as well as attend scheduled hearings. Log and record the disposition of all such proceedings. Coordinate related legal counsel;
10. Review and update as needed job classification descriptions for classified employees (not covered by union labor agreement).

Resources Required: \$147,104

Work Hours Required: 4,000

LABOR RELATIONS (021)

Description:

1. Negotiate to a mutual agreement seven (7) labor contracts within 30 days of their expiration;
2. Produce contract documents for supervisory staff;
3. Update and refine the plan that provides for continued operations in the event of any type of work stoppage through knowledge gained by attending the National and State Public Employers Labor Relations meetings;
4. Hold labor/management meetings with union representatives to resolve any general differences as they relate to the labor contract;
5. Hold supervisory training sessions on grievance procedures.

Performance Criteria:

1. Labor agreements with AFSCME; Local 668, IUOE, Local 35; IAM, Lodge 77, IBEW, Local 110; UAP, Local 455; Painters, Local 61; and Bricklayers, Local 1, completed within 90 days from beginning of negotiations;

LABOR RELATIONS (021) (Cont.)

Performance Criteria: (continued)

2. Hold supervisory meetings to explain new contract where language changes dictate an explanation;
3. Update written plan that provides for continued operations in the event of any work stoppage;
4. Hold three (3) meetings with union representatives to discuss labor/management problems;
5. Hold at least one (1) meeting with supervisory personnel and outside trainer in subject of grievance handling procedures.

Resources Required: \$109,102

Work Hours Required: 1,950

PROPERTY, CASUALTY AND EMPLOYEE BENEFITS INSURANCE (022)

Description:

1. To process all property and casualty damage claims so that the affected party is expeditiously serviced and continually review all outstanding claims to ensure that action is taken and acknowledgement received;
2. Administer the overall Workers Compensation program to ensure that claims are processed on a timely basis and that the insurance carrier is servicing the claim properly;
3. To maintain ongoing update to assure that all risks are properly covered and that all premiums reflect the insurance in place;
4. Provide complete explanation of fringe benefit program to new employees and complete necessary forms. At termination, advise employees of their options and conversion provisions available and to counsel retiring employees with regard to benefits, procedures and insurance options;

PROPERTY, CASUALTY AND EMPLOYEE BENEFITS
INSURANCE (022) (Cont.)

Description: (continued)

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

Performance Criteria:

1. Number of claims with property damage receiving initial acknowledgment within three (3) days to total number of claims processed;
2. Workers Compensation claims to be processed in two (2) days. Quarterly report developed, review claims with Safety Department and department directors when appropriate to assist in reduction of accidents;
3. All new insurable risks should be reported to the insurance company within two (2) days of receiving proper information;
4. Every employee is signed up for fringe benefits within one (1) day of beginning employment. Close insurance files on terminating employees who terminate prior to retirement within seven (7) days;
5. Number of medical claim questions answered directly to number of inquiries that must be made to insurance companies or consultants.

Resources Required: \$935,612

Work Hours Required: 3,850

PURCHASING (023)

1. To provide a centralized purchasing system with a proper set of checks and balances on orders;
2. To maintain a bid calendar for all items to be carried through the bidding process and administer bid procedures;

PURCHASING (023) (Cont.)

Description: (continued)

3. To manage a central motor pool so that utilization of all Central Office based vehicles can be coordinated and maximized;
4. Provide semi-annual reports to managers from computer system which
5. Prepare a 1986 budget forecast of materials and supplies for all departments to use in preparing their annual program budget;
6. Coordinate disposal of all surplus or obsolete equipment;
7. Attend a minimum of three (3) production shows covering new items and ideas electrical, computer functions and services, etc.

Performance Criteria:

1. 89% of all purchase orders processed completely within three (3) days from date requisition is received;
2. Assist staff with technical specifications and report to the Commission on all contracts, 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 documents;
3. Improve on Central Office motor pool use by reviewing all latest information through publication and private information sector groups;
4. Coordinate and communicate with Commission departments and personnel the information gathered from multi-function computer program covering purchasing, warehousing, maintenance management; and print semi-annually report on request;
5. Have price forecast for budget by March. Information accumulated by reading all available publications, discussing with supplier, evaluating short and long supply of materials;

PURCHASING (023) (Cont.)

Performance Criteria: (continued)

6. Annually prepare and circulate notice of surplus items available to all Commission departments upon determining unusable items, conduct sale to dispose of said surplus items;
7. To become aware of new production and service through education and participation in hands-on experience and discussions.

Resources Required: \$163,751

Work Hours Required: 9,150

COMPTROLLER ADMINISTRATION (024)

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

1. Provide coordination and supervision of department programs to accomplish their objectives through monthly reviews of objectives and budgets;
2. Respond to external requests for information and data from other governmental agencies and individuals;
3. To improve present computer systems and applications in order to provide needed management information through visitation at government and industrial computer installations and by attendance at the National Municipal Finance Officers Association conference and at appropriate seminars where information and displays of the latest management information systems are available;
4. Prepare cost effectiveness studies within 30 days of receipt;
5. File all Commission items and documents within three (3) days of receipt;
6. Invest federal and state grant funds on the same day as received;
7. Prepare a budget calendar and perform all budget related functions within that calendar year;

SCHEDULE 3-15

COMPTROLLER ADMINISTRATION (024) (Cont.)

Description: (continued)

8. Devote time to creative thinking and the broadening of Commission needs through six (6) planned conferences with Commission personnel.

Performance Criteria:

1. Degree of attainment of program objectives and were program budgets adhered to;
2. Were the responses timely?
3. How were the computer systems improved?
4. Were all cost effectiveness studies prepared within 30 days?
5. Were Commission items filed within three (3) days of receipt?
6. Were federal and state grant funds invested the same day?
7. Was the budget prepared in accordance with the budget calendar?
8. Were six (6) planned conferences held with Commission personnel?
9. Objectives met, manhours complied with and budget adhered to.

Resources Required: \$116,485

Work Hours Required: 4,090

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 seven (7) days before the Commission meeting;
3. Properly account for all transactions so that the State Auditor's opinion

ACCOUNTING AND COLLECTIONS (025) (Cont.)

Description: (continued)

states that the balance sheet and other financial statements present fairly the financial position of the MWCC;

4. Conduct Service Availability Charge (SAC) audits of 40 communities;
5. Collect and record SAC monies for 101 communities to be received by the end of the month following the month permitted by the community;
6. Bill, collect and record sewer service charge (SSC) monies for 101 communities to be received by the end of the month for the month due;
7. Record and post to a subsidiary ledger all monies received from state and federal grants and reconcile balances with the grants administration section by the 5th day after the end of the month;
8. Bill, collect and record Industrial Strength Charge (ISC) monies for industrial firms to be received within 30 days from the date of billing;
9. To respond to 90% of all program managers requests for financial information within one (1) day of the request.

Performance Criteria:

1. Fixed asset system maintained to the satisfaction of the State Auditor;
2. Number of months financial management report not forwarded seven (7) days prior to the Commission Meeting;
3. Did State Auditor give the opinion that the reports presented fairly the financial position of the MWCC?
4. Number of SAC audits not made by the end of 1984;
5. Number of SAC monies not received by the end of the month;

SCHEDULE 3-16

ACCOUNTING AND COLLECTIONS (025) (Cont.)

Performance Criteria: (continued)

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 one (1) day divided by the total requests, equal to 90%;
10. Objectives met, manhours complied with and budget adhered to.

Resources Required: \$188,204

Work Hours Required: 5,925

DISBURSEMENTS (026)

Description:

1. Remit 80% of vendor's invoices and utility bills within 30 days;
2. Remit 80% of discount invoices within discount period;
3. Verify and prepare all disbursements to be approved by the Commission and forward these items to the Chief Administrator by noon on the first 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 the Chief Administrator;
4. Objectives met, manhours complied with and budget adhered to.

DISBURSEMENTS (026) (Cont.)

Resources Required: \$112,326

Work Hours Required: 9,175

PAYROLL (027)

Description:

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

Performance Criteria:

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

Resources Required: \$146,414

Work Hours Required: 9,760

DEBT SERVICE & ACQUISITION COSTS (028)

Description:

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

DEBT SERVICE & ACQUISITION COSTS (028) (Cont.)

Performance Criteria:

1. Grant all credits for local government debt service assumed by Commission by 12/31/85;
2. Meet October 1, 1985 Metropolitan Debt Service payment required;
3. Grant all credits for acquisition costs assumed by Commission by 12/31/85.

Resources Required: \$28,970,140

Work Hours Required: -0-

OPERATIONS ADMINISTRATION (029)

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

1. To attain 98% compliance with NPDES permit effluent limitations at the Metropolitan Plant during 1985;
2. To attain an average of 97% compliance with NPDES effluent limitations at wastewater treatment plants other than the Metropolitan Plant during 1985;
3. To attain effluent quality performance at the Metropolitan Plant equal to 93% frequency and 40% severity and at other treatment plants an average equal to 91% frequency and 35% severity;
4. To maintain air quality emissions in compliance with conditions of operating permits and other agreements;
5. To maintain conditions of safety at facilities such that accident rates are equal to or better than averages for the industry;

OPERATIONS ADMINISTRATION (029) (Cont.)

Description: (continued)

6. Monitor financial status of Operations Department programs to assure compliance with the 1985 Operating Budget.

Performance Criteria:

1. Compliance with NPDES permits at the Metropolitan Plant in 1985 compared with 98%;
2. Average compliance at other plants in 1985 compared with 97%;
3. The actual frequency and severity rates of effluent quality for the Metropolitan Plant and for the average of other plants;
4. Percentage of the time operating permit conditions are met based on testing;
5. Comparison of accident frequency rates with industry averages;
6. Percentage compliance, quarterly with the 1985 Operating Budget.

Resources Required: \$231,789

Work Hours Required: 8,610

PROCESS ASSURANCE (030)

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

PROCESS ASSURANCE (030) (Cont.)

Performance Criteria:

1. Average compliance at all plants (97.4% compliance);
2. Average frequency at all plants (91% frequency);
3. Average severity at all plants (35% severity);
4. Average air emission compliance of 90% for particulates, opacity, and odor emissions.
5. Achieve timely administrative compliance on permit applications, DMR comments, and regulatory agency correspondence replies.
6. Summarize information for 1984 Treatment Plant Operating Report by April 1, 1985;
7. Complete or update plant capacity reports for five (5) treatment plants;
8. Manage Program 030 within the Operating Budget.

Resources Required: \$221,468

Work Hours Required: 11,920

MAJOR EMERGENCY REPAIRS (031)

Description:

1. Respond to and provide major emergency repairs of an unforeseeable nature in excess of \$5,000 for operational facilities and interceptor systems;
2. Manage within the limits of the 1985 Operating Budget.

Performance Criteria:

1. Complete major emergency repairs in an expeditious manner;

MAJOR EMERGENCY REPAIRS (031) (Cont.)

Performance Criteria: (continued)

2. Quarterly reports of percent compliance with 1985 Operating Budget.

Resources Required: \$150,000

Work Hours Required: -0-

MANAGEMENT INFORMATION SYSTEMS (032)

Description:

1. Enhance Plant Information System as required;
2. Develop minor programs for various departments;
3. Provide assistance and training to MIS users;
4. Maintain software integrity;
5. Oversee maintenance contracts for all MIS computer equipment and peripherals;
6. Increase computer hardware to meet user needs;
7. Operate within 1985 Budget.

Performance Criteria:

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

MANAGEMENT INFORMATION SYSTEMS (032) (Cont.)

Performance Criteria: (Continued)

7. Quarterly Financial Report.

Resources Required: \$428,476

Work Hours Required: 11,000

REGULATOR SYSTEM (033)

Description:

1. To keep in good working order 17 instrumented and 110 non-instrumented combined sewer regulator installations through a complete inspection and preventative maintenance program;
2. To prepare and submit to Engineering Department and MPCA monthly overflow summaries;
3. Manage within the limits of the 1985 Operating Budget.

Performance Criteria:

1. Keep maintenance schedule current;
2. Submit reports on time;
3. Quarterly report of percent compliance with 1985 Operating Budget.

Resources Required: \$373,788

Work Hours Required: 12,260

INTERCEPTOR SYSTEM ADMINISTRATION (034)

Description:

1. To direct and report in a timely manner the financial status and performance of the 1984 Interceptor Programs;
2. To develop and review plans for new facilities and programs;
3. To manage within the limits of the 1985 Operating Budget;

INTERCEPTOR SYSTEM ADMINISTRATION (034)
(Cont.)

Description: (continued)

4. Maintain a comprehensive safety program.

Performance Criteria:

1. Forward status reports by the 15th of each month;
2. Review Engineering Department plans and specifications on schedule, detect program deficiencies and include in the 1985 Budget;
3. Quarterly report of percent compliance with the 1985 Operating Budget;
4. Conduct monthly safety meetings, participate on safety committee, review, implement new procedures and equipment.

Resources Required: \$299,566

Work Hours Required: 10,307

INTERCEPTOR SYSTEMS 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 meters;
3. Perform Inflow/Infiltration investigation and rehabilitation;
4. Perform major cleaning operations as required;
5. Manage within the limits of the 1985 Operating Budget.

Performance Criteria:

1. Review Maintenance and Rental contracts for cost and performance;

INTERCEPTOR SYSTEMS MAINTENANCE (035) (Cont.)

Performance Criteria: (continued)

2. Complete scheduled inspections, repairs and reports;
3. Report quarterly percent compliance with 1985 Operating Budget.

Resources Required: \$889,033

Work Hours Required: 14,161

LIFT STATIONS (036)

Description:

1. To continuously keep in good operating order 60 lift stations by means of a first and second echelon maintenance program;
2. To continuously keep in good working order the alarm system for 60 lift stations and 8 treatment plants;
3. To continue a preventative maintenance program for 8 treatment plants;
4. Manage within the limits of the 1985 Operating Budget.

Performance Criteria:

1. All stations in good operating condition and adhere to preventative maintenance schedules;
2. Keep alarm system continuously operational;
3. Keep preventative maintenance on schedule;
4. Quarterly report of percent compliance with the 1985 Operating Budget.

Resources Required: \$1,992,751

Work Hours Required: 47,893

METERING STATIONS (037)

Description:

1. Keep 159 flow meters in good working order through preventative maintenance and quarterly calibration schedule;
2. Schedule calibrations as efficiently as possible;
3. Prepare and forward to Engineering Department monthly metered flow reports by the 20th of the following month;
4. Prepare community flows for the communities every half year;
5. Assist Engineering in contacting communities when excess inflow and infiltration take place;
6. Keep in good working order all meter system computer equipment and peripherals by means of a complete maintenance program;
7. Install weirs at locations where data is needed and no meter devices are available;
8. Operate within limits of 1985 Budget.

Performance Criteria:

1. Keep maintenance and calibration schedules up-to-date;
2. Update maintenance schedule so that problematic meters receive more attention;
3. Prepare and submit flow reports on time;
4. Send reports to each community asking for flow information on six month basis;
5. Make calls to communities when I/I problems occur;
6. Keep computer maintenance schedule up-to-date;
7. Prepare to replace old Honeywell 36 computer;

METERING STATIONS (037) (Cont.)

Performance Criteria: (continued)

8. Quarterly report of percent compliance with 1985 Operating Budget.

Resources Required: \$938,335

Work Hours Required: 29,468

EMPIRE PLANT OPERATIONS (038)

Description:

1. To achieve a minimum annual average compliance with NPDES permit effluent limitations of 97%;
2. To attain effluent quality performance equal to 95% frequency and 25% severity;
3. Manage operations within the limits of the 1985 Operating Budget;
4. To identify safety hazards and promote response to their correction.

Performance Criteria:

1. Annual average percentage compliance with NPDES permit effluent limitations;
2. The actual frequency and severity rates of effluent quality during the calendar year;
3. Quarterly report of percent compliance with 1985 Operating Budget;
4. Conduct at least six (6) plant safety committee meetings per year, and respond to all monthly Safety Department inspections within one (1) week.

Resources Required: \$1,491,946

Work Hours Required: 44,800

METRO PLANT (039)

Description:

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

METRO PLANT (039) (Cont.)

Description: (continued)

2. Reduce accidents by 5%;
3. Train and certify in-house 25 Assistant Operators assigned to Region I;
4. Meeting 1985 Operating Budget.

Performance Criteria:

1. Meet NPDES Permit compliance;
2. Accidents reduced in 1985 by:
 - a) Weekly safety inspections by Deputy Director of Operations;
 - b) Analysis by utilities of proper performance of tasks;
 - c) Training by B.O.3 and B.O. 2 of subordinates in proper performance of tasks;
 - d) Institution of training films on safety in areas of most frequent accidents;
 - e) Continuation of safety violation reports submitted by employees to Deputy Director of Operations;
3. Set up and implement training program for 25 A.O. positions in Region I leading to in-house certification by December, 1985;
4. Amount expended versus amount budgeted within 3%.

Resources Required: \$26,101,822

Work Hours Required: 693,674

METRO MAINTENANCE (040)

Description:

1. Provide maintenance services to assure that operational units of the plant meet 97% compliance effluent limitations during 1984;

METRO MAINTENANCE (040) (Cont.)

Description: (continued)

2. Provide maintenance services to assure that operational units of the plant meet effluent quality performance of 90% frequency and 40% severity;
3. Respond to emergency work orders without delay;
4. Manage maintenance services within the limits of the maintenance of 1984 Budget;
5. Maintain satisfactory labor relations;
6. Provide 40 hours of safety training for each maintenance staff member.

Performance Criteria:

1. Hours of equipment downtime directly affecting NPDES Permits or performance goals;
2. Hours of equipment downtime directly affecting NPDES Permits or performance goals;
3. Number of emergency work orders not completed in a timely manner;
4. Comparison to 1985 Operating Budget;
5. Number of grievances going to Step III;
6. Hours of training achieved.

Resources Required: \$11,375,340

Work Hours Required: 340,600

SENECA TREATMENT PLANT (041)

Description:

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

SENECA TREATMENT PLANT (041) (Cont.)

Description: (continued)

3. To operate within the limits of the MPCA Operating Permit for stack gases 93% of the time;
4. To manage operations within the limits of the 1985 Operating Budget;
5. Maintenance of satisfactory labor relations;

Performance Criteria:

1. Annual average percentage compliance with NPDES Permit effluent limitations;
2. The actual frequency and severity rates of effluent quality during the calendar year;
3. Hours of inadequate control of stack gases due to operation or maintenance deficiencies;
4. Comparison of actual expenditures to budget amounts;
5. Resolution of all grievances in a manner to establish a good working atmosphere between management and labor.

Resources Required: \$3,680,797

Work Hours Required: 86,400

BLUE LAKE PLANT (042)

Description:

1. To achieve a minimum annual average compliance with NPDES Permit effluent limitations of 99%;
2. To attain effluent quality performance equal to 95% frequency and 33% severity;
3. Manage operations within the limits of the 1985 Operating Budget;
4. Maintain continuous operation of all major treatment process 99% of the time;

BLUE LAKE PLANT (042) (Cont.)

Description: (continued)

5. Maintain safe conditions for plant personnel responding to 95% of all safety deficiency reports within 48 hours; conduct six (6) safety meetings for the sludge truck drivers;
6. Establish good labor relations scheduling meetings with labor representatives to maintain a good working relationship with the union.

Performance Criteria:

1. Annual average percentage compliance with NPDES Permit effluent limitations;
2. The actual frequency and severity rates of effluent quality during the calendar year;
3. Quarterly report of percentage compliance with 1985 Operating Budget;
4. Percent of total hours a major treatment process was out of service;
5. Percentage of safety deficiency reports responded to within 48 hours. Number of safety meetings conducted for the sludge truck drivers;
6. Number of labor relation meetings held during the calendar year.

Resources Required: \$1,941,866

Work Hours Required: 60,440

CHASKA PLANT (043)

Description:

1. To achieve a minimum average annual compliance with NPDES permit effluent limitations of 98%;
2. To attain effluent quality performance equal to 93% frequency and 33% severity;
3. Manage operations within the limits of the 1985 Operating Budget.

CHASKA PLANT (043) (Cont.)

Performance Criteria:

1. Annual average percentage with NPDES Permit effluent;
2. The actual frequency and severity rates of effluent quality during the calendar year;
3. Quarterly report of percentage compliance with the 1985 Operating Budget.

Resources Required: \$292,974

Work Hours Required: 8,670

ANOKA PLANT (044)

Description:

1. To achieve a minimum annual average compliance with NPDES Permit effluent limitations of 98%
2. To attain effluent quality performance equal to 93% frequency and 33% severity;
3. Manage operations within the limits of the 1985 Operating Budget.

Performance Criteria:

1. Annual average percentage compliance with NPDES Permit effluent limitations;
2. The actual frequency and severity rates of effluent quality during the calendar year;
3. Quarterly report of percentage compliance with the 1985 Operating Budget.

Resources Required: \$275,570

Work Hours Required: 7,880

BAYPORT PLANT (045)

Description:

1. To achieve a minimal annual average compliance with NPDES Permit effluent

BAYPORT PLANT (045) (Cont.)

Description: (continued)

- limitations of 98%;
2. To attain effluent quality performance equal to 93% frequency and 33% severity;
3. Manage operations within the limits of the 1985 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 1985 Operating Budget.

Resources Required: \$209,064

Work Hours Required: 5,085

COTTAGE GROVE PLANT (046)

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 1985 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 year;
3. Quarterly report of percent compliance with 1985 Operating Budget.

MAPLE PLAIN PLANT (050) (Cont.)

Description: (Continued)

2. To attain effluent quality performance equal to 90% frequency and 40% severity;
3. Manage operations within the limits of the 1985 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 1985 Operating Budget.

Resources Required: \$105,369

Work Hours Required: 3,130

MEDINA PLANT (051)

Description:

1. To attain a minimum annual average compliance with NPDES Permit effluent limitations of 92%, based on controlled discharges from the seepage ponds;
2. To attain aerated pond effluent quality performance equal to 80% frequency and 40% severity, based on 25 mg/l BOD and 30 mg/l TSS;
3. Manage operations within the limits of the 1985 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 1985 Operating Budget.

MEDINA PLANT (051) (Cont.)

Resources Required: \$36,965

Work Hours Required: 1,500

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

Description:

1. To provide continuous conveyance of wastewater to the Metropolitan Plant;
2. To manage operations within the limits of the 1985 Operating Budget.

Performance Criteria:

1. Avoidance of emergency discharge;
2. Quarterly compliance with the 1985 Operating Budget.

Resources Required: \$332,669

Work Hours Required: 5,375

ROSEMOUNT PLANT OPERATIONS (053)

Description:

1. To achieve a minimum annual average compliance with NPDES Permit effluent limitations of 98%;
2. To attain effluent quality performance equal to 95% frequency and 25% severity;
3. Manage operations within the limits of the 1985 Operating Budget;
4. To identify safety hazards and promote prompt response to their correction.

Performance Criteria:

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

COTTAGE GROVE PLANT (046) (Cont.)

Resources Required: \$336,838

Work Hours Required: 9,845

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 40% severity;
3. Manage operations within the limits of the 1985 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 1985 Operating Budget.

Resources Required: \$343,307

Work Hours Required: 9,845

STILLWATER PLANT (048)

Description:

1. To achieve a minimum 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 1985 Operating Budget.

Performance Criteria:

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

STILLWATER PLANT (048)

Performance Criteria: (continued)

2. Actual frequency and severity rates of effluent quality during the calendar year;
3. Quarterly report of percent compliance with the 1985 Operating Budget.

Resources Required: \$403,126

Work Hours Required: 11,045

SAVAGE PLANT (049)

Description:

1. To achieve a minimum annual average compliance with NPDES Permit effluent limitations of 98%;
2. To attain effluent quality performance equal to 93% frequency and 33% severity;
3. Manage operations within the limits of the 1985 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 1985 Operating Budget.

Resources Required: \$119,676

Work Hours Required: 3,840

MAPLE PLAIN PLANT (050)

Description:

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

ROSEMOUNT PLANT OPERATIONS (053) (Cont.)

Performance Criteria: (continued)

3. Quarterly report of percent compliance with 1985 Operating Budget;
4. Conduct at least six (6) plant safety committee meetings per year, and respond to all monthly Safety Department inspections within one (1) week.

Resources Required: \$662,722

Work Hours Required: 18,400

SUMMARY STATEMENT OF PROGRAM EXPENDITURES

	<u>Proposed 1985</u>	<u>Budget 1984</u>	<u>Actual 1983</u>
5010 Salaries & Wages	\$28,652,604	\$27,724,977	\$23,600,484
5020 Employee Benefits	5,730,520	5,544,990	4,652,784
5040 Travel - Out State	52,325	41,805	32,605
5041 Travel - Local	19,627	17,794	10,879
5042 Auto Allowance	10,800	9,000	6,074
5045 Recruitment	3,000	4,000	66
5046 Public Hearings	3,250	400	1,106
5050 Commission - Per Diem	27,800	15,600	15,850
5051 Commission - Other	2,500	2,000	2,305
5060 Office Rent	273,000	240,000	202,090
5070 Education Allowance	25,000	23,000	14,676
5080 Safety	32,000	25,000	16,759
5085 Medical Aids	10,975	11,025	5,358
5090 Contract Serv. - Data Processing	81,300	81,450	55,393
5091 Contract Serv. - Administration	82,000	10,500	75
5092 Contract Serv. - Auditing	49,000	49,000	74,587
5093 Contract Serv. - Engineering	70,000	54,000	28,132
5094 Contract Serv. - Laboratory	39,270	36,280	31,677
5095 Contract Serv. - Laundry	131,978	130,332	98,641
5096 Contract Serv. - Legal	95,000	190,000	113,020
5097 Contract Serv. - Maintenance	1,792,014	1,575,228	1,033,554
5098 Contract Serv. - Operations	628,250	737,450	155,829
5099 Contract Serv. - Xerox	87,925	85,800	77,251
5100 Contract Serv. - Sludge Disposal	363,900	448,800	1,673,615
5101 Contract Serv. - Janitorial	35,292	37,574	31,394
5102 Contract Serv. - Other	779,359	591,124	463,100
5200 Materials & Supplies	1,068,985	1,205,380	428,390
5210 Maint. Materials & Supplies	2,863,486	2,616,286	2,094,437
5300 Office Supplies	77,470	69,450	62,349
5310 Publications	43,290	31,400	25,783
5320 Postage	35,220	28,630	21,739
5330 Office Equipment Repair	8,560	7,800	6,155
5340 Advertising	5,660	3,350	2,786
5350 Dues & Subscriptions	17,163	16,788	12,515
5360 Meal Allowance	-0-	-0-	-0-
5370 Flood Control	10,500	10,500	-0-
5390 Council Participation	100,000	115,000	66,180
5500 Motor Vehicle Expense	709,676	803,118	587,677
5620 Interceptor Rental Contract	128,427	128,427	94,207

		<u>Proposed</u> <u>1985</u>	<u>Budget</u> <u>1984</u>	<u>Actual</u> <u>1983</u>
5630	Interceptor Maintenance Cont.	\$ 164,900	\$ 180,700	\$ 116,356
5700	Insurance - Auto	62,119	53,792	45,325
5701	Insurance - Blanket Bond	2,000	1,700	1,650
5702	Insurance - Bldg. & Property	139,315	209,137	172,540
5703	Insurance - General Liability	39,174	63,581	92,797
5704	Insurance - Wkms. Compensation	586,666	491,275	409,192
5705	Insurance - Excess Liability	34,560	30,841	41,448
5706	Insurance - Other	2,430	12,750	5,969
5800	Utilities - Electrical	8,658,029	8,458,052	7,255,291
5801	Utilities - Fuel	699,126	586,670	771,252
5802	Utilities - Gas	2,619,690	2,002,805	2,739,312
5803	Utilities - Water	126,289	118,251	156,917
5850	Telephone Service	223,078	202,898	208,038
5851	Leased Lines	208,683	199,799	164,908
5900	Chemicals - Ferric Chloride	217,300	275,494	195,423
5902	Chemicals - Lime	191,436	273,205	413,937
5903	Chemicals - Other	465,521	574,100	268,692
5904	Polymers	798,980	709,407	657,199
5905	Chemicals - Acid	32,000	38,250	8,644
5940	Chlorine	486,090	269,549	237,390
5999	Miscellaneous	24,360	20,350	16,376
6010	Debt Serv. - Local Government	1,394,681	1,472,696	1,662,385
6020	Debt Serv. - Metro Council	23,403,371	20,298,733	16,619,071
6100	Acquisition Costs	4,172,088	4,072,088	4,069,088
6200	Capital Outlay	<u>1,353,494</u>	<u>1,014,044</u>	<u>616,379</u>
	TOTALS	<u>\$90,252,506</u>	<u>\$84,353,425</u>	<u>\$72,745,101</u>

PROGRAM DETAIL COSTS

ADMINISTRATION AND MANAGEMENT (001)

5010	Salaries & Wages	\$224,507
5020	Employee Benefits	44,901
5040	Travel-Out State	7,000
5042	Auto Allowance	7,200
5046	Public Hearings	2,000
5060	Office Rent	273,000
5096	Contract Serv. - Legal	85,000
5350	Dues & Subscriptions	8,000
5390	Council Participation	100,000
5999	Miscellaneous	750
6200	Capital Outlay	750
5091	Cont. Serv. - Administration	30,000
	Total	\$783,108

COMMISSION ADMINISTRATION (002)

5010	Salaries & Wages	\$114,438
5020	Employee Benefits	22,888
5040	Travel - Out State	5,000
5042	Auto Allowance	3,600
5046	Public Hearings	500
5050	Commission - Per Diem	27,800
5051	Commission - Other	2,500
5096	Contract Serv. - Legal	10,000
5999	Miscellaneous	1,500
6200	Capital Outlay	1,000
5041	Travel - Local	1,604
	Total	\$190,830

AFFIRMATIVE ACTION (003)

5010	Salaries & Wages	\$ 79,294
5020	Employee Benefits	15,859
5040	Travel - Out State	1,000
5041	Travel - Local	230
5091	Cont. Serv. - Admin.	2,000
5999	Miscellaneous	800
6200	Capital Outlay	500
	Total	\$ 99,683

PUBLIC INFORMATION (004)

5010	Salaries & Wages	\$ 63,541
5020	Employee Benefits	12,708
5040	Travel - Out State	1,000

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PUBLIC INFORMATION (004) (continued)

5041	Travel - Local	\$ 1,000
5046	Public Hearings	750
5102	Contract Serv. - Other	8,000
5200	Materials & Supplies	4,000
5310	Publications	37,790
5320	Postage	11,220
5350	Dues & Subscriptions	1,400
5999	Miscellaneous	2,500
6200	Capital Outlay	2,285
	Total	\$146,194

SAFETY (005)

5010	Salaries & Wages	\$112,611
5020	Employee Benefits	22,522
5040	Travel - Out State	1,000
5085	Medical Aids	8,450
5090	Contract Serv. - Data Proc.	2,250
5102	Contract Serv. - Other	30,290
5200	Materials & Supplies	7,600
5350	Dues & Subscriptions	2,100
5500	Motor Vehicle Expense	3,630
6200	Capital Outlay	19,617
	Total	\$210,070

HUMAN RESOURCES MANAGEMENT (006)

5010	Salaries & Wages	\$ 2,215
5020	Employee Benefits	443
5041	Travel - Local	1,100
5070	Educational Allowance	25,000
5102	Contract Serv. - Other	105,000
5310	Publications	250
5999	Miscellaneous	100
	Total	\$134,108

GRANTS ADMINISTRATION (007)

5010	Salaries & Wages	\$ 59,115
5020	Employee Benefits	11,823
5040	Travel - Out State	375
5041	Travel - Local	150
5350	Dues & Subscriptions	1,643

GRANTS ADMINISTRATION (007) (Cont.)

5999	Miscellaneous	\$ 300
	Total	\$ 73,406

ENGINEERING ADMINISTRATION (008)

5010	Salaries & Wages	\$139,237
5020	Employee Benefits	27,848
5040	Travel - Out State	5,000
5041	Travel - Local	1,810
5093	Contract Serv. - Eng.	25,000
5200	Materials & Supplies	9,000
5310	Publications	400
5350	Dues & Subscriptions	1,125
5500	Motor Vehicle Expense	1,500
6200	Capital Outlay	8,750
	Total	\$219,670

COMMUNITY SERVICES (009)

5010	Salaries & Wages	\$179,612
5020	Employee Benefits	35,922
	Total	\$215,534

ENGINEERING SERVICES (010)

5010	Salaries & Wages	\$155,661
5020	Employee Benefits	31,132
	Total	\$186,793

QUALITY CONTROL ADMINISTRATION (011)

5010	Salaries & Wages	\$ 92,604
5020	Employee Benefits	18,521
5040	Travel - Out State	8,750
5041	Travel - Local	1,350
5097	Contract Serv. - Maint.	1,500
5200	Materials & Supplies	1,300
5310	Publications	2,500
5350	Dues & Subscriptions	570
5500	Motor Vehicle Expense	900
	Total	\$127,995

INDUSTRIAL WASTE (012)

5010	Salaries & Wages	\$537,817
5020	Employee Benefits	107,563
5041	Travel - Local	170
5090	Contract Serv. - Data Proc.	4,000
5097	Contract Serv. - Maint.	2,200
5200	Materials & Supplies	13,000
5500	Motor Vehicle Expense	3,420
5999	Miscellaneous	400
6200	Capital Outlay	8,200
	Total	\$676,770

RESEARCH & DEVELOPMENT (013)

5010	Salaries & Wages	\$181,271
5020	Employee Benefits	36,254
5090	Contract Serv. - Data Proc.	1,050
5094	Contract Serv. - Lab.	2,500
5102	contract Serv. - Other	154,500
5200	Materials & Supplies	17,300
5300	Office Supplies	1,700
5500	Motor Vehicle Expense	1,729
6200	Capital Outlay	33,450
	Total	\$429,754

WATER QUALITY MONITORING (014)

5010	Salaries & Wages	\$309,405
5020	Employee Benefits	61,881
5090	Contract Serv. - Data Proc.	6,000
5097	Contract Serv. - Maint.	7,000
5102	Contract Serv. - Other	76,000
5200	Materials & Supplies	15,600
5210	Maint. Materl. & Suppl.	4,100
5500	Motor Vehicle Expense	5,200
5851	Leased Lines	19,800
6200	Capital Outlay	26,900
	Total	\$531,886

LABORATORY SERVICES (015)

5010	Salaries & Wages	\$964,970
5020	Employee Benefits	192,994
5041	Travel - Local	575
5090	Contract Serv. - Data Proc.	1,200
5094	Contract Serv. - Lab.	33,770
5097	Contract Serv. - Maint.	21,458
5101	Contract Serv. - Janitorial	3,000
5200	Materials & Supplies	99,884
5300	Office Supplies	4,000

LABORATORY SERVICES (015) (Cont.)

5310	Publications	\$ 1,750
5350	Dues & Subscriptions	600
5500	Motor Vehicle Expense	4,240
6200	Capital Outlay	<u>38,324</u>
Total		<u>\$1,366,765</u>

AIR QUALITY MONITORING (016)

5010	Salaries & Wages	\$ 90,273
5020	Employee Benefits	18,055
5041	Travel - Local	160
5097	Contract Serv. - Maint.	1,100
5102	Contract Serv. - Other	500
5200	Materials & Supplies	13,435
5500	Motor Vehicle Expense	700
6200	Capital Outlay	<u>12,970</u>
Total		<u>\$137,193</u>

SLUDGE UTILIZATION ON LAND (017)

5010	Salaries & Wages	\$ 43,670
5020	Employee Benefits	8,734
5040	Travel - Out of State	300
5090	Contract Serv. - Data Proc.	700
5094	Contract Serv. - Lab.	3,000
5100	Contract Serv. - Sldg. Rem.	250,000
5102	Contract Serv. - Other	12,000
5200	Materials & Supplies	2,000
5500	Motor Vehicle Expense	540
6200	Capital Outlay	<u>1,000</u>
Total		<u>\$321,944</u>

CONSTRUCTION ADMINISTRATION (018)

5010	Salaries & Wages	\$ 14,552
5020	Employee Benefits	<u>2,910</u>
Total		<u>\$ 17,462</u>

BUSINESS SERVICES ADMINISTRATION (019)

5010	Salaries & Wages	\$ 70,580
5020	Employee Benefits	14,116
5040	Travel - Out State	2,650
5041	Travel - Local	100
5099	Contract Serv. - Xerox	52,500
5300	Office Supplies	40,000
5320	Postage	24,000
5330	Office Equipment Repair	5,000
5850	Telephone Service	<u>50,000</u>
Total		<u>\$258,946</u>

SCHEDULE 3-32

PERSONNEL SERVICES (020)

5010	Salaries & Wages	\$ 72,920
5020	Employee Benefits	14,584
5045	Employee Recruitment	3,000
5102	Contract Serv. - Other	50,800
5340	Advertising	5,000
5999	Miscellaneous	<u>800</u>
Total		<u>\$147,104</u>

LABOR RELATIONS & EMPLOYEE BENEFITS (021)

5010	Salaries & Wages	\$ 49,085
5020	Employee Benefits	9,817
5091	Contact Serv. - Admin.	50,000
5999	Miscellaneous	<u>200</u>
Total		<u>\$109,102</u>

PROPERTY, CASUALTY AND EMPLOYEE BENEFITS INSURANCE (022)

5010	Salaries & Wages	\$ 57,790
5020	Employee Benefits	11,558
5700	Insurance - Auto	62,119
5701	Insurance - Blanket Bond	2,000
5702	Insurance - Bldg. & Prop.	139,315
5703	Insurance - Gen. Liab.	39,174
5704	Insurance - Wkms. Comp.	586,666
5705	Insurance - Umbr. Exc. Liab.	34,560
5706	Insurance - Other	<u>2,430</u>
Total		<u>\$935,612</u>

PURCHASING DEPARTMENT (023)

5010	Salaries & Wages	\$128,580
5020	Employee Benefits	25,716
5102	Contract Serv. - Other	1,000
5340	Advertising	660
5350	Dues & Subscriptions	375
5500	Motor Vehicle Expense	4,320
6200	Capital Outlay	<u>3,100</u>
Total		<u>\$163,751</u>

COMPTROLLER ADMINISTRATION (024)

5010	Salaries & Wages	\$ 82,654
5020	Employee Benefits	16,531
5040	Travel - Out State	1,600
5090	Contract Serv. - Data Proc.	4,000
5350	Dues & Subscriptions	800

COMPTROLLER ADMINISTRATION (024) (Cont.)

5500	Motor Vehicle Expense	\$ 1,500
5999	Miscellaneous	400
6200	Capital Outlay	9,000
	Total	<u>\$116,485</u>

ACCOUNTING & COLLECTIONS (025)

5010	Salaries & Wages	\$ 93,318
5020	Employee Benefits	18,664
5041	Travel - Local	322
5090	Contract Serv. - Data Proc.	26,000
5092	Contract Serv. - Auditing	49,000
6200	Capital Outlay	900
	Total	<u>\$188,204</u>

DISBURSEMENTS (026)

5010	Salaries & Wages	\$ 93,605
5020	Employee Benefits	18,721
	Total	<u>\$112,326</u>

PAYROLL (027)

5010	Salaries & Wages	\$100,678
5020	Employee Benefits	20,136
5090	Contract Serv. - Data Proc.	25,000
6200	Capital Outlay	600
	Total	<u>\$146,414</u>

DEBT SERVICE & ACQUISITION COSTS (028)

6010	Debt. Serv. - Loc. Gov't.	\$1,394,681
6020	Debt. Serv. - Met. Council	23,403,371
6100	Acquisition Costs	4,172,088
	Total	<u>\$28,970,140</u>

OPERATIONS ADMINISTRATION (029)

5010	Salaries & Wages	\$168,166
5020	Employee Benefits	33,011
5040	Travel - Out State	17,500
5041	Travel - Local	1,930
5102	Contract Serv. - Other	7,200
5500	Motor Vehicle Expense	2,160
5999	Miscellaneous	500
6200	Capital Outlay	700
	Total	<u>\$231,789</u>

PROCESS ASSURANCE (030)

5010	Salaries & Wages	\$179,465
5020	Employee Benefits	35,893
5041	Travel - Local	460
5102	Contract Serv. - Other	1,500
5200	Materials & Supplies	1,500
5300	Office Supplies	800
5999	Miscellaneous	150
6200	Capital Outlay	1,700
	Total	<u>\$221,468</u>

MAJOR EMERGENCY REPAIR (031)

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

MANAGEMENT INFORMATION SYSTEM (032)

5010	Salaries & Wages	\$165,218
5020	Employee Benefits	33,044
5041	Travel - Local	1,150
5093	Contract Serv. - Eng.	30,000
5097	Contract Serv. - Maint.	59,056
5102	Contract Serv. - Other	10,000
5200	Materials & Supplies	18,870
5300	Office Supplies	500
5310	Publications	400
5850	Telephone Service	16,000
5999	Miscellaneous	100
6200	Capital Outlay	94,138
	Total	<u>\$428,476</u>

REGULATOR SYSTEM (033)

5010	Salaries & Wages	\$203,203
5020	Employee Benefits	40,641
5041	Travel - Local	175
5085	Medical Aids	75
5095	Contract Serv. - Laundry	2,184
5097	Contract Serv. - Maint.	15,000
5200	Materials & Supplies	3,000
5210	Maint. Materl. & Suppl.	26,300
5300	Office Supplies	420
5500	Motor Vehicle Expenses	26,150
5800	Utilities - Electrical	7,865
5851	Leased Lines	17,425
5999	Miscellaneous	150
6200	Capital Outlay	31,200
	Total	<u>\$373,788</u>

INTERCEPTOR SYSTEM ADMINISTRATION (034)

5010	Salaries & Wages	\$159,799
5020	Employee Benefits	31,960
5041	Travel - Local	100
5095	Contract Serv. - Laundry	156
5097	Contract Serv. - Maint.	9,700
5098	Contract Serv. - Oper.	7,200
5099	Contract Serv. - Xerox	625
5101	Contract Serv. - Janitorial	3,000
5102	Contract Serv. - Other	52,733
5300	Office Supplies	1,200
5310	Publications	200
5330	Office Equipment Repair	1,260
5500	Motor Vehicle Expense	3,780
5802	Utilities - Gas	6,900
5850	Telephone Service	5,487
5851	Leased Lines	2,316
6200	Capital Outlay	12,000
5040	Travel - Out State	1,150
Total		<u>\$299,566</u>

INTERCEPTOR SYSTEM MAINTENANCE (035)

5010	Salaries & Wages	\$236,622
5020	Employee Benefits	47,324
5041	Travel - Local	1,000
5085	Medical Aids	200
5095	Contract Serv. - Laundry	1,560
5097	Contract Serv. - Maint.	95,000
5102	Contract Serv. - Other	150
5200	Materials & Supplies	53,000
5210	Maint. Materl. & Suppl.	23,000
5300	Office Supplies	250
5500	Motor Vehicle Expense	20,000
5620	Interceptor Rental Contract	128,427
5630	Interceptor Maint. Contract	164,900
5999	Miscellaneous	100
6200	Capital Outlay	117,500
Total		<u>\$889,033</u>

LIFT STATIONS (036)

5010	Salaries & Wages	\$795,797
5020	Employee Benefits	159,159
5041	Travel - Local	1,000
5085	Medical Aids	750
5095	Contract Serv. - Laundry	7,800
5097	Contract Serv. - Maint.	77,500
5102	Contract Serv. - Other	6,800
5200	Materials & Supplies	81,100
5210	Maint. Materl. & Suppl.	119,700
5300	Office Supplies	1,000
5500	Motor Vehicle Expense	61,270
5800	Utilities - Electrical	498,200

LIFT STATIONS (036) (Cont.)

5802	Utilities - Gas	\$ 33,100
5803	Utilities - Water	3,400
5850	Telephone Service	12,500
5851	Leased Lines	48,000
5940	Chlorine	2,575
5999	Miscellaneous	3,000
6200	Capital Outlay	80,100
Total		<u>\$1,992,751</u>

METERING STATIONS (037)

5010	Salaries & Wages	\$482,842
5020	Employee Benefits	96,568
5041	Travel - Local	500
5085	Medical Aids	200
5095	Contract Serv. - Laundry	2,058
5097	Contract Serv. - Maint.	50,000
5200	Materials & Supplies	19,273
5210	Maint. Materl. & Suppl.	56,900
5300	Office Supplies	500
5500	Motor Vehicle Expense	25,000
5800	Utilities - Electrical	28,015
5851	Leased Lines	107,729
5999	Miscellaneous	750
6200	Capital Outlay	68,000
Total		<u>\$938,335</u>

EMPIRE PLANT (038)

5010	Salaries & Wages	\$830,955
5020	Employee Benefits	166,191
5041	Travel - Local	600
5085	Medical Aids	300
5090	Contract Serv. - Data Proc.	9,600
5095	Contract Serv. - Laundry	6,900
5097	Contract Serv. - Maint.	59,700
5098	Contract Serv. - Oper.	5,200
5099	Contract Serv. - Xerox	1,600
5100	Contract. Serv. - Sldg. Dis.	4,000
5102	Contract Serv. - Other	1,600
5200	Materials & Supplies	19,500
5210	Maint. Materl. & Suppl.	55,500
5300	Office Supplies	1,500
5330	Office Equipment Repair	500
5500	Motor Vehicle Expense	16,800
5800	Utilities - Electrical	210,000
5801	Utilities - Fuel	47,000
5802	Utilities - Gas	7,500
5850	Telephone Service	6,000
5903	Chemicals - Other	1,000
5904	Polymers	23,300
5940	Chlorine	6,200

EMPIRE PLANT (038) (Cont.)

5999	Miscellaneous	500
6200	Capital Outlay	\$ 10,000
	Total	<u>\$1,491,946</u>

OPERATIONS, METRO PLANT (039)

5010	Salaries & Wages	\$10,735,490
5020	Employee Benefits	2,147,098
5041	Travel - Local	1,500
5080	Safety	32,000
5090	Contract Serv. - Data Proc.	1,500
5095	Contract Serv. - Laundry	87,108
5098	Contract Serv. - Operations	598,650
5099	Contract Serv. - Xerox	25,000
5101	Contract Serv. - Janitorial	6,292
5102	Contract Serv. - Other	236,629
5200	Materials & Supplies	601,004
5300	Office Supplies	20,000
5330	Office Equipment Repair	1,300
5370	Flood Control	10,500
5500	Motor Vehicle Expense	158,296
5800	Utilities - Electrical	6,926,540
5801	Utilities - Fuel	532,206
5802	Utilities - Gas	1,901,806
5803	Utilities - Water	82,426
5850	Telephone Service	90,000
5900	Chemicals - Ferric Chlor.	30,000
5902	Chemicals - Lime	28,436
5903	Chemicals - Other	278,506
5904	Polymers	625,680
5905	Chemicals - Acids	32,000
5940	Chlorine	373,245
5999	Miscellaneous	5,000
6200	Capital Outlay	<u>533,610</u>
	Total	<u>\$26,101,822</u>

MAINTENANCE, METRO PLANT (040)

5010	Salaries & Wages	\$6,554,358
5020	Employee Benefits	1,310,872
5041	Travel - Local	1,000
5097	Contract Serv. - Maint.	969,400
5099	Contract Serv. - Xerox	2,000
5102	Contract Serv. - Other	2,000
5210	Maint. Materl. & Suppl.	2,296,010
5300	Office Supplies	2,500
5500	Motor Vehicle Expense	30,000
5999	Miscellaneous	1,000
6200	Capital Outlay	<u>206,200</u>
	Total	<u>\$11,375,340</u>

SENECA TREATMENT PLANT (041)

5010	Salaries & Wages	\$1,523,406
5020	Employee Benefits	304,681
5041	Travel - Local	300
5085	Medical Aids	600
5095	Contract Serv. - Laundry	6,500
5097	Contract Serv. - Maint.	139,350
5098	Contract Serv. - Oper.	16,000
5099	Contract Serv. - Xerox	2,300
5101	Contract Serv. - Janitor.	14,000
5200	Materials & Supplies	32,850
5210	Maint. Materl. & Suppl.	129,000
5300	Office Supplies	2,200
5330	Office Equipment Repair	250
5350	Dues & Subscriptions	300
5500	Motor Vehicle Expense	6,400
5800	Utilities - Electrical	297,500
5801	Utilities - Fuel	96,000
5802	Utilities - Gas	544,000
5803	Utilities - Water	6,650
5850	Telephone Service	23,800
5851	Leased Lines	900
5900	Chemicals - Ferr. Chlor.	178,000
5902	Chemicals - Lime	129,000
5903	Chemicals - Other	5,000
5904	Polymers	150,000
5940	Chlorine	53,150
5999	Miscellaneous	1,660
6200	Capital Outlay	<u>17,000</u>
	Total	<u>\$3,680,797</u>

BLUE LAKE PLANT (042)

5010	Salaries & Wages	\$1,059,472
5020	Employee Benefits	211,894
5041	Travel - Local	500
5085	Medical Aids	100
5095	Contract Serv. - Laundry	5,800
5097	Contract Serv. - Maint.	56,500
5099	Contract Serv. - Xerox	2,700
5101	Contract Serv. - Janitor.	9,000
5102	Contract Serv. - Other	5,000
5200	Materials & Supplies	28,300
5210	Maint. Materl. & Suppl.	40,000
5300	Office Supplies	900
5330	Office Equipment Repair	250
5350	Dues & Subscriptions	250
5500	Motor Vehicle Expense	219,000
5800	Utilities - Electrical	235,000
5801	Utilities - Fuel	1,400
5802	Utilities - Gas	19,700
5803	Utilities - Water	17,500
5850	Telephone Service	8,000
5903	Chemicals - Other	300
5940	Chlorine	20,000

BLUE LAKE PLANT (042) (Cont.)

5999	Miscellaneous	300
	Total	<u>\$1,941,866</u>

CHASKA PLANT (043)

5010	Salaries & Wages	\$137,537
5020	Employee Benefits	27,507
5041	Travel - Local	120
5095	Contract Serv. - Laundry	1,160
5097	Contract Serv. - Maint.	3,500
5102	Contract Serv. - Other	1,200
5200	Materials & Supplies	3,000
5210	Maint. Materl. & Suppl.	10,000
5500	Motor Vehicle Expense	11,000
5800	Utilities - Electrical	34,000
5801	Utilities - Fuel	420
5803	Utilities - Water	3,900
5850	Telephone Service	730
5851	Leased Lines	1,600
5903	Chemicals - Other	49,000
5940	Chlorine	2,000
5999	Miscellaneous	300
6200	Capital Outlay	6,000
	Total	<u>\$292,974</u>

ANOKA PLANT (044)

5010	Salaries & Wages	\$131,946
5020	Employee Benefits	26,389
5041	Travel - Local	200
5095	Contract Serv. - Laundry	755
5097	Contract Serv. - Maint.	4,000
5100	Contract Serv. - Sldg. Rem.	500
5102	Contract Serv. - Other	600
5200	Materials & Supplies	4,000
5210	Maint. Materl. & Suppl.	10,100
5500	Motor Vehicle Expense	11,560
5800	Utilities - Electrical	60,000
5801	Utilities - Fuel	3,500
5803	Utilities - Water	1,600
5850	Telephone Service	870
5851	Leased Lines	1,800
5903	Chemicals - Other	500
5940	Chlorine	13,800
5999	Miscellaneous	200
6200	Capital Outlay	3,250
	Total	<u>\$275,570</u>

SCHEDULE 3-36

BAYPORT PLANT (045)

5010	Salaries & Wages	\$ 83,064
5020	Employee Benefits	16,613
5095	Contract Serv. - Laundry	660
5097	Contract Serv. - Maint.	4,845
5099	Contract Serv. - Xerox	300
5100	Contract Serv. - Sldg. Rem.	2,000
5102	Contract Serv. - Other	2,954
5200	Materials & Supplies	2,154
5210	Maint. Materl. & Suppl.	7,500
5500	Motor Vehicle Expense	13,500
5800	Utilities - Electrical	37,527
5801	Utilities - Fuel	1,500
5802	Utilities - Gas	7,253
5803	Utilities - Water	4,389
5850	Telephone Service	605
5851	Leased Lines	1,199
5903	Chemicals - Other	21,195
5940	Chlorine	1,156
5999	Miscellaneous	400
6200	Capital Outlay	250
	Total	<u>\$209,064</u>

COTTAGE GROVE PLANT (046)

5010	Salaries & Wages	\$158,194
5020	Employee Benefits	31,639
5095	Contract Serv. - Laundry	880
5097	Contract Serv. - Maint.	10,564
5099	Contract Serv. - Xerox	300
5100	Contract Serv. - Sldg. Rem.	25,000
5102	Contract Serv. - Other	1,736
5200	Materials & Supplies	3,527
5210	Maint. Materl. & Suppl.	17,404
5500	Motor Vehicle Expense	16,260
5800	Utilities - Electrical	38,979
5801	Utilities - Fuel	2,000
5802	Utilities - Gas	24,017
5850	Telephone Services	723
5851	Leased Lines	550
5903	Chemicals - Other	297
5940	Chlorine	4,018
5999	Miscellaneous	500
6200	Capital Outlay	250
	Total	<u>\$336,838</u>

HASTINGS PLANT (047)

5010	Salaries & Wages	\$158,111
5020	Employee Benefits	31,622
5095	Contract Serv. - Laundry	1,500
5097	Contract Serv. - Maint.	6,635
5099	Contract Serv. - Xerox	300

HASTINGS PLANT (047) (Cont.)

5100	Contract Serv. - Sldg. Rem.	\$ 25,000
5102	Contract Serv. - Other	1,424
5200	Materials & Supplies	3,813
5210	Maint. Materl. & Suppl.	10,062
5500	Motor Vehicle Expense	20,030
5800	Utilities - Electrical	53,133
5801	Utilities - Fuel	2,000
5802	Utilities - Gas	17,532
5803	Utilities - Water	1,074
5850	Telephone Service	1,122
5851	Leased Lines	1,219
5903	Chemicals - Other	4,262
5940	Chlorine	3,718
5999	Miscellaneous	500
6200	Capital Outlay	250
Total		<u>\$343,307</u>

STILLWATER PLANT (048)

5010	Salaries & Wages	\$176,546
5020	Employee Benefits	35,309
5095	Contract Serv. - Laundry	1,130
5097	Contract Serv. - Maint.	10,206
5099	Contract Serv. - Xerox	300
5100	Contract Serv. - Sldg. Rem.	5,000
5102	Contract Serv. - Other	3,553
5200	Materials & Supplies	2,775
5210	Maint. Materl. & Suppl.	13,310
5500	Motor Vehicle Expense	25,870
5800	Utilities - Electrical	41,170
5801	Utilities - Fuel	2,000
5802	Utilities - Gas	14,382
5850	Telephone Service	931
5851	Leased Lines	1,095
5903	Chemicals - Other	65,931
5940	Chlorine	2,868
5999	Miscellaneous	500
6200	Capital Outlay	250
Total		<u>\$403,126</u>

SAVAGE PLANT (049)

5010	Salaries & Wages	\$ 69,354
5020	Employee Benefits	13,871
5041	Travel - Local	230
5095	Contract Serv. - Laundry	725
5097	Contract Serv. - Maint.	1,500
5102	Contract Serv. - Other	590
5200	Materials & Supplies	900
5210	Maint. Materl. & Suppl.	4,000
5500	Motor Vehicle Expense	1,656

SAVAGE PLANT (049) (Cont.)

5800	Utilities - Electrical	\$ 13,700
5801	Utilities - Fuel	300
5802	Utilities - Gas	7,200
5803	Utilities - Water	1,900
5850	Telephone Service	1,040
5851	Leased Lines	1,350
5903	Chemicals - Other	300
5940	Chlorine	860
5999	Miscellaneous	200
Total		<u>\$119,676</u>

MAPLE PLAIN PLANT (050)

5010	Salaries & Wages	\$ 54,141
5020	Employee Benefits	10,828
5095	Contract Serv. - Laundry	380
5097	Contract Serv. - Maint.	3,000
5100	Contract Serv. - Sldg. Rem.	500
5102	Contract Serv. - Other	400
5200	Materials & Supplies	1,000
5210	Maint. Materl. & Suppl.	6,800
5500	Motor Vehicle Expense	6,200
5800	Utilities - Electrical	9,000
5801	Utilities - Fuel	5,800
5803	Utilities - Water	400
5850	Telephone Service	820
5851	Leased Lines	1,300
5903	Chemicals - Other	250
5940	Chlorine	800
5999	Miscellaneous	500
6200	Capital Outlay	3,250
Total		<u>\$105,369</u>

MEDINA PLANT (051)

5010	Salaries & Wages	\$ 25,904
5020	Employee Benefits	5,181
5097	Contract Serv. - Maint.	1,000
5200	Materials & Supplies	200
5210	Maint. Materl. & Suppl.	1,500
5500	Motor Vehicle Expense	500
5800	Utilities - Electrical	1,700
5903	Chemicals - Other	580
5940	Chlorine	200
5999	Miscellaneous	200
Total		<u>\$ 36,965</u>

SOUTH ST. PAUL LIFT STATION (052)

5010	Salaries & Wages	\$ 96,159
5020	Employee Benefits	19,232
5041	Travel - Local	191
5085	Medical Aids	100
5095	Contract Serv. - Laundry	1,322
5097	Contract Serv. - Maint.	31,800
5100	Contract Serv. - Sldg. Rem.	3,800
5102	Contract Serv. - Other	4,500
5200	Materials & Supplies	1,000
5210	Maint. Materl. & Suppl.	12,300
5500	Motor Vehicle Expense	4,665
5800	Utilities - Electrical	133,500
5802	Utilities - Gas	17,000
5803	Utilities - Water	3,050
5850	Telephone Service	1,650
5851	Leased Lines	<u>2,400</u>
	Total	<u>\$332,669</u>

ROSEMOUNT PLANT (053)

5010	Salaries & Wages	\$ 340,352
5020	Employee Benefits	68,070
5041	Travel - Local	100
5085	Medical Aids	200
5095	Contract Serv. - Laundry	3,400
5097	Contract Serv. - Maint.	15,500
5098	Contract Serv. - Operations	1,200
5100	Contract Serv. - Sldg. Rem.	48,100
5102	Contract Serv. - Other	700
5200	Materials & Supplies	20,100
5210	Maint. Materl. & Suppl.	20,000
5500	Motor Vehicle Expense	1,900
5800	Utilities - Electrical	32,200
5801	Utilities - Fuel	5,000
5802	Utilities - Gas	19,300
5850	Telephone Service	2,800
5900	Chemicals - Ferr. Chlor.	9,300
5902	Chemicals - Lime	34,000
5903	Chemicals - Other	38,400
5940	Chlorine	1,500
5999	Miscellaneous	100
6200	Capital Outlay	<u>500</u>
	Total	<u>\$662,722</u>

Summary of Debt Service

	<u>Proposed 1985</u>	<u>Budget 1984</u>	<u>Actual 1983</u>
Treatment Works	\$18,818,819	\$16,482,724	\$14,094,056
Interceptor System			
Service Areas:			
1. Minneapolis-St. Paul	1,950,136	1,886,337	1,375,355
2. North Suburban	1,289,108	903,463	684,307
3. Anoka	589,038	399,888	233,515
4. Southwest	1,103,883	1,072,086	914,488
5. Bloomington-Eagan-Burnsville	551,406	571,326	567,336
6. Southeast	<u>495,662</u>	<u>455,605</u>	<u>412,399</u>
Totals	<u>\$24,798,052</u>	<u>\$21,771,429</u>	<u>\$18,281,456</u>

METROPOLITAN COUNCIL SEWER BOND FUND DEBT SERVICE

Required Fund Balance 10-1-84	\$32,376,100
Less: Debt Service Payments 10-2-84 - 10-1-85	<u>20,512,100</u>
Balance	11,863,000
Required Balance 10-1-85	35,633,000
Less 1986 Debt Service Reductions due to 1984 Refunding	<u>1,654,350</u>
Balance Due Metropolitan Council by 10-1-85	<u>\$22,115,650</u>

Less: Interest to be Earned October 1, 1985 Through September 30, 1986	<u>1,300,000</u>
Balance due Metropolitan Council by October 1, 1985	20,815,650

1985 Payment Due SAC Fund:

Advance #1 to the Metropolitan Council

Principal	\$866,667
Accrued Interest	<u>395,893</u>

Total For Advance #1	1,262,560
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Advance #2 (Refunding of \$68.8 million bonds)

Principal	1,000,000
Accrued Interest (\$2,000,000 X 11.39% X 521 days) =	<u>325,161</u>
	<u>1,325,161</u>

Program Budget Requirement	<u>\$23,403,371</u>
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Apportioned to:

<u>Cost Pool</u>	<u>Capital Improvements</u>	<u>% Of Debt Service</u>	<u>Amount</u>
Treatment Works	\$510,375,943	78.20	\$18,301,436
SA #1	45,444,090	6.96	1,628,875
SA #2	30,986,296	4.75	1,111,660
SA #3	16,362,984	2.50	585,084
SA #4	28,566,204	4.38	1,025,068
SA #5	7,686,447	1.18	276,160
SA #6	<u>13,242,791</u>	<u>2.03</u>	<u>475,088</u>
Totals	<u>\$652,664,755</u>	<u>100.00</u>	<u>\$23,403,371</u>

Local Government Debt Service 1985

Service Area 1 - Minneapolis/St. Paul

	<u>Treatment Works</u>	<u>Interceptors</u>	<u>Total</u>
Birchwood	\$	\$ 650.00	\$
Forest Lake Township	2,817.00		
Little Canada		79,713.22	
Mendota Heights		10,000.00	
Oakdale		55,821.00	
Plymouth		10,762.00	
St. Paul		83,672.43	
Shoreview*		40,107.85	
Vadnais Heights		2,533.95	
White Bear Lake		7,658.00	
White Bear Township		5,571.00	
Woodbury		24,772.00	
	<u>\$ 2,817.00</u>	<u>\$321,261.45</u>	<u>\$ 324,078.45</u>

Service Area 2 - North Suburban

Shoreview*	\$	\$ 25,282.23	\$
Circle Pines		2,699.97	
Coon Rapids		34,548.00	
New Brighton		112,144.00	
Spring Lake Park		2,774.00	
	<u>\$</u>	<u>\$177,448.20</u>	<u>\$ 177,448.20</u>

Service Area 3 - Anoka

Anoka	\$35,543.00	\$	\$
Champlin		3,953.54	
	<u>\$35,543.00</u>	<u>3,953.54</u>	<u>39,496.54</u>

* Located in two service areas

Service Area 4 - Southwest

	<u>Treatment Works</u>	<u>Interceptors</u>	<u>Total</u>
Deephaven	\$	\$ 19,639.90	\$
Excelsior	10,180.00		
Greenwood		3,443.96	
Long Lake	10,352.00		
Medina	4,484.00		
Minnetrista		29,877.92	
Mound	22,621.24	21,461.11	
Savage	11,551.00		
Spring Park	2,351.10	2,258.90	
Tonka Bay	<u>5,774.08</u>	<u>3,133.44</u>	
	<u>\$67,109.90</u>	<u>\$ 78,815.23</u>	<u>\$ 145,925.13</u>

Service Area 5 - Bloomington/Eagan/Burnsville

Bloomington	\$	\$ 9,107.53	\$
Burnsville	14,264.00	224,085.00	
Eagan	<u>4,093.44</u>	<u>42,054.00</u>	
	<u>\$18,357.44</u>	<u>\$275,246.53</u>	<u>293,603.97</u>

Service Area 6 - Southwest

Apple Valley	\$ 12,083.09	\$ 20,573.91	\$
Cottage Grove	37,208.07		
Hastings	42,331.00		
Inver Grove Heights	14,772.00		
Lakeville	5,523.00		
Newport	5,524.00		
Oak Park Heights	14,662.00		
South St. Paul	216,018.00		
Stillwater	<u>45,434.00</u>		
	<u>\$393,555.16</u>	<u>\$ 20,573.91</u>	<u>\$414,129.07</u>
GRAND TOTAL	<u>\$517,382.50</u>	<u>\$877,298.86</u>	<u>\$1,394,681.36</u>

Summary of Acquisition Costs

Treatment Works	\$ 579,985
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Interceptor System

Service Areas:

1. Minneapolis - St. Paul	3,004,783
2. North Suburban	212,070
3. Anoka	489
4. Southwest	74,057
5. Bloomington-Eagan-Burnsville	296,774
6. Southeast	<u>3,930</u>

TOTAL	<u>\$4,172,088</u>
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Local Government Current Value Credit

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

Local Government Current Value Credit (continued)

New Brighton	\$ 77,192	Tonka Bay	\$ 1,684
New Hope	46,523	Vadnais Heights	195
Newport	595	Victoria	2,535
North St. Paul	30,968	Waconia	15,245
Oakdale	1,150	Wayzata	22,674
Oak Park Heights	39	West St. Paul	7,376
Orono	33,988	White Bear Lake	41,047
Osseo	14,928	White Bear Township	2,173
Plymouth	217	Willernie	1,053
Prior Lake	2,459	Woodbury	<u>2,647</u>
Richfield	133,042		
Robbinsdale	5,150	TOTAL	<u>\$4,172,088</u>
Rosemount	4,372		
Roseville	99,636		
St. Anthony	8,778		
St. Louis Park	78,231		
St. Paul	1,033,404		
St. Paul Park	7,394		
Savage	1,872		
Shakopee	9,064		
Shoreview	23,680		
Shorewood	391		
South St. Paul	44,632		
Spring Lake Park	3,183		
Spring Park	2,926		
Stillwater	10,511		

Allocation of Current Use Costs

<u>Local Government</u>	<u>Est. Flow (MG)</u>	<u>Lake Overflow Adjustments</u>	<u>Treatment Works</u>	<u>Service Area</u>	<u>Total</u>
Anoka	730	\$	\$ 506,224.08	\$ 223,643.65	\$ 729,867.73
Apple Valley	740		513,180.64	70,546.22	583,726.86
Arden Hills	460		318,998.77	42,531.96	361,530.73
Bayport	195		135,184.83	-0-	135,184.83
Birchwood	30		20,802.82	2,778.18	23,581.00
Blaine	900		624,151.28	148,345.01	772,496.29
Bloomington	3,190		2,212,121.63	386,514.51	2,598,636.14
Brooklyn Center	1,190		825,222.84	110,036.23	935,259.07
Brooklyn Park	1,530		1,061,010.35	252,186.50	1,313,196.85
Burnsville	1,570		1,088,769.73	190,227.79	1,278,997.52
Champlin	155		107,425.45	36,870.04	144,295.49
Chanhassen	315		218,462.99	80,728.60	299,191.59
Chaska	360		249,633.75	-0-	249,633.75
Circle Pines	95		65,886.72	15,658.90	81,545.62
Columbia Heights	530		367,560.96	49,003.93	416,564.89
Coon Rapids	1,160		804,420.03	191,199.70	995,619.73
Cottage Grove	525		364,082.67	-0-	364,082.67
Crystal	910		631,040.95	84,148.30	715,189.25
Deephaven	140		97,057.50	35,879.75	132,937.25
Eagan	1,240		859,871.90	150,243.96	1,010,115.86
Eden Prairie	1,060		735,121.91	271,660.21	1,006,782.12
Edina	2,620		1,816,868.18	242,260.32	2,059,128.50
Lake Elmo	1		668.90	94.06	762.96
Empire Township	17		11,772.66	1,585.34	13,358.00
Excelsior	115		79,799.85	29,471.12	109,270.97
Falcon Heights	375	9	266,289.39	35,508.10	301,797.49
Farmington	290		201,071.56	27,044.90	228,116.46
Forest Lake	300		208,028.13	27,737.96	235,766.09
Forest Lake Township	125		86,689.53	11,558.01	98,247.54
Fridley	1,250		866,828.47	164,793.43	1,031,621.90
Gem Lake	7		4,882.98	645.95	5,528.93
Golden Valley	1,290		894,520.95	119,280.12	1,013,801.07
Greenwood	23		15,986.73	5,894.88	21,881.61
Andover	105		72,776.40	17,306.51	90,082.91
Hastings	620		429,969.39	-0-	429,969.39
Hilltop	31		21,471.72	2,865.98	24,337.70
Hopkins	775		537,461.74	72,811.01	610,272.75
Hugo	46		31,906.57	4,251.94	36,158.51
Inver Grove Heights	440		305,152.51	41,034.32	346,186.83

<u>Local Government</u>	<u>Est. Flow (MG)</u>	<u>Lake Overflow Adjustments</u>	<u>Treatment Works</u>	<u>Service Area</u>	<u>Total</u>
Lakeville	630	\$	\$ 436,859.07	\$ 59,032.07	\$ 495,891.14
Landfall	22		15,250.94	2,038.18	17,289.12
Lauderdale	78		54,114.07	7,211.99	61,326.06
Lexington	46		31,839.68	7,581.89	39,421.57
Laketown Township	16		11,103.75	4,100.07	15,203.82
Lilydale	19		13,177.34	1,755.96	14,933.30
Little Canada	290	67	247,560.17	33,012.13	280,572.30
Long Lake	95		65,886.72	24,346.85	90,233.57
Mahtomedi	130		90,167.82	12,022.08	102,189.90
Maple Grove	780		540,873.13	128,566.48	669,439.61
Maple Plain	105		72,843.29	-0-	72,843.29
Maplewood	1,590	282	1,298,135.67	173,094.14	1,471,229.81
Medicine Lake	13		9,030.16	1,204.09	10,234.25
Medina	92		63,813.13	13,917.40	77,730.53
Mendota Heights	400		277,393.13	36,988.13	314,381.26
Minneapolis	23,700		16,435,091.79	2,191,468.08	18,626,559.87
Minnetonka	1,820		1,262,081.92	466,435.03	1,728,516.95
Minnetonka Beach	23		15,919.83	5,893.23	21,813.06
Mound	430		298,195.95	110,201.37	408,397.32
Minnestrista	64		44,415.01	16,403.58	60,818.59
Moundsview	435		301,674.23	71,699.28	373,373.51
New Brighton	870		603,281.58	143,400.97	746,682.55
New Hope	990		686,559.72	91,542.17	778,101.89
Newport	115		79,732.96	10,724.71	90,457.67
North Oaks	16		11,103.76	1,480.02	12,583.78
North St. Paul	510	41	382,076.10	50,948.04	433,024.14
Oakdale	650	64	495,120.32	66,017.98	561,138.30
Oak Park Heights	110		76,321.58	10,258.46	86,580.04
Orono	200		138,663.12	51,255.83	189,918.95
Osseo	110		76,254.69	18,130.93	94,385.62
Plymouth	1,940		1,345,360.05	179,390.53	1,524,750.58
Prior Lake	375		260,068.61	96,106.34	356,174.95
Richfield	990		686,492.82	91,542.16	778,034.98
Robbinsdale	475		329,366.73	43,917.91	373,284.64
Rosemount	140		97,124.38	13,056.44	110,180.82
Roseville	1,750	45	1,244,757.39	165,982.49	1,410,739.88
St. Anthony	410		284,349.70	37,910.01	322,259.71
St. Louis Park	2,390		1,657,335.36	220,994.33	1,878,329.69
St. Paul	18,900	(600)	12,690,384.79	1,692,147.20	14,382,531.99
St. Paul Park	130		90,167.82	12,123.46	102,291.28
Savage	235		162,944.22	-0-	162,944.22
Shakopee	820		568,632.52	210,150.91	778,783.43

<u>Local Government</u>	<u>Est. Flow (MG)</u>	<u>Lake Overflow Adjustments</u>	<u>Treatment Works</u>	<u>Service Area</u>	<u>Total</u>
Shoreview	720	\$	\$ 499,334.40	\$ 78,154.70	\$ 577,489.10
Shorewood	250		173,312.18	64,071.44	237,383.62
South St. Paul	2,650		1,837,670.99	247,136.49	2,084,807.48
Spring Park	107		74,247.99	27,421.08	101,669.07
Spring Lake Park	200		138,663.12	32,965.42	171,628.54
St. Bonifacius	30		20,802.81	7,689.70	28,492.51
Stillwater	790		547,829.71	-0-	547,829.71
Stillwater Township	1		735.79	-0-	735.79
Tonka Bay	67		46,421.71	17,170.90	63,592.61
Vadnais Heights	260	30	201,138.45	26,816.08	227,954.53
Victoria	59		40,869.84	15,120.87	55,990.71
Wayzata	245		169,900.78	62,788.72	232,689.50
West St. Paul	915		634,519.24	84,606.10	719,125.34
White Bear Lake	750	62	563,147.53	75,086.28	638,223.81
White Bear Twp.	200		138,663.13	18,494.06	157,157.19
Willernie	16		11,103.75	1,480.03	12,583.78
Woodbury	605		419,534.54	55,939.99	475,474.53
Lino Lakes	35		24,281.10	5,768.44	30,049.54
Waconia	156		108,161.25	39,979.82	148,141.07
Centerville	38		26,354.69	6,263.56	32,618.25
Ramsey	5		3,478.28	1,531.81	5,010.09
TOTALS	<u>96,458</u>		<u>\$66,890,073.76</u>	<u>\$10,588,885.80</u>	<u>\$77,478,959.56</u>

Construction Fund - Revenues & Expenditures

	Total Program
FUND BALANCE - December 31, 1983	\$25,989,908
REVENUES:	
Certified Federal Grants (Schedule 8)	\$28,067,150
Less:	
Contingency Reserve for Final Audits	<u>750,000</u>
Net Certified Federal Grants	\$27,317,150
Certified State Grants (Schedule 9)	5,613,431
Anticipated Grants (Schedule 10)	38,536,850
Investment Income (Schedule 11)	3,450,000
Miscellaneous	50,000
Due from Local Governments	82,534
Bond Sale Proceeds (10-9-84)	<u>22,148,950</u>
Total Estimated Revenues:	\$97,198,915
EXPENDITURES:	
Previously Authorized Projects	
Encumbered Balance (Schedule 12)	\$27,584,132
Unencumbered Balance (Schedule 12)	94,754,947
Appro. Adjustments (Schedule 12)	<u>30,774,435</u>
Total Previously Authorized Projects	\$153,113,514
Total New Projects (Schedule 13)	4,500,000
Total Estimated Expenditures	157,613,514
Local Funds Applied (expenditures-revenues)	\$60,414,599
ESTIMATED FUND BALANCE	<u><u>\$ (34,424,691)</u></u>

CERTIFIED FEDERAL GRANTS

Project No.	Grant	Project	Total Grants Receivable	Earned As Of 12/31/83	Balance Due	Estimated Amount 1984	Estimated Amount 1985
74-01(403)	000-04	MWWTP - Digital Control System	\$ 6,641,439	\$ 6,584,272	\$ 57,167	\$ 57,167	\$ -0-
74-01(408)	000-06	MWWTP - Sludge Processing	56,653,725	56,652,975	750	750	-0-
201	999-01	Facilities Planning Study	4,194,075	4,131,722	62,353	62,353	-0-
201	999-02	Facilities Planning Study	2,692,725	2,593,765	98,960	98,960	-0-
201	999-03	Facilities Planning Study	388,575	283,625	104,950	104,950	-0-
79-79	999-04	Metro Area I/I Analysis	3,055,479	2,436,474	619,005	300,000	319,005
76-07	100-02	MWWTP Retrofit Process Control Step III	11,250,000	458,479	10,791,521	1,500,000	9,291,521
79-06	008-02	Hastings Plant Improvements Step III	7,698,300	1,010,736	6,687,564	3,000,000	2,250,000
71-03(426 & 427)	050-04	Lakeville-Farmington Rehab.	203,325	-0-	203,325	203,325	-0-
79-80	103-02	MWWTP Add'l. Secondary Treat. Facility Step III	15,167,250	11,681,820	3,485,430	3,485,430	-0-
77-05	134-01	Lower Beltline Intcp.	2,490,300	-0-	2,490,300	-0-	2,367,731
82-58	097-03	MWWTP Secondary Treat. Rehab.	3,465,825	-0-	3,465,825	37,500	1,350,000
TOTALS			<u>\$113,901,018</u>	<u>\$85,833,868</u>	<u>\$28,067,150</u>	<u>\$8,850,435</u>	<u>\$15,578,257</u>

CERTIFIED STATE GRANTS

<u>Project No.</u>	<u>Grant</u>	<u>Project</u>	<u>Total Grants Receivable</u>	<u>Earned As Of 12/31/84</u>	<u>Balance Due</u>	<u>Estimated Amount 1984</u>	<u>Estimated Amount 1985</u>
74-01(403)	000-04	MWWTP - Digital Control System	\$ 1,328,288	\$ 1,316,854	\$ 11,434	\$ 11,434	\$ -0-
(408)	000-06	MWWTP - Sludge Processing	11,330,745	11,330,595	150	150	-0-
201	999-01	Facilities Planning Study	838,815	826,344	12,471	12,471	-0-
201	999-02	Facilities Planning Study	538,545	518,753	19,792	19,792	-0-
201	999-03	Facilities Planning Study	77,715	56,725	20,990	20,990	-0-
79-79	999-04	Metro Area I/I Analysis	611,096	487,295	123,801	60,000	63,801
76-07	100-02	MWWTP - Retrofit Process Control Step III	2,250,000	91,696	158,304	300,000	1,858,304
79-06	008-02	Hastings Plant Improvements Step III	1,539,660	202,147	1,337,513	600,000	450,000
71-03(426 & 427)	050-04	Lakeville-Farmington Rehab.	40,665	-0-	40,665	40,665	-0-
79-80	103-02	MWWTP Add'l. Secondary Treat. Facil. Step III	3,033,450	2,336,364	697,086	697,086	-0-
77-05	134-01	Lower Beltline Intcp.	498,060	-0-	498,060	-0-	473,546
82-58	097-03	MWWTP Sec. Treat. Rehab.	693,165	-0-	693,165	7,500	270,000
TOTALS			<u>\$22,780,204</u>	<u>\$17,166,773</u>	<u>\$5,613,431</u>	<u>\$1,770,088</u>	<u>\$3,115,651</u>

ANTICIPATED GRANTS
(Federal & State Combined)

<u>Project</u>	<u>Name</u>	<u>Grant Income</u>
82-55	Minneapolis East Interceptor	\$22,650,100
82-56	MWWTP Screen & Grit Bldg. Rehab.	4,812,500
82-57	MWWTP Primary Settling Tank Rehab.	7,444,250
82-59	Blue Lake Sludge Thickening Facility	2,475,000
83-52	Maple Plain Plant Phase-out	<u>1,155,000</u>
	 TOTAL	 <u>\$38,536,850</u>

SUMMARY OF INVESTMENT INCOME

Investment earnings for period
January through December, 1984
\$15 million X 11.0%

\$1,650,000

Investment earnings for period
January through December, 1985
based on average investment
balance of \$18 million and
yield of 10.0%.

1,800,000

Total

\$3,450,000

FINANCIAL STATUS - CURRENT PROJECTS

Program No.	Project	Step Approval	Previously Appropriated	Additional Appropriations	Total Appropriations	Expenditures As Of 12/31/83	Encumbered Balance	Unencumbered Balance
71-32	Little Canada/Shoreview	III	\$ 4,260,000	-0-	\$ 4,260,000	\$ 3,804,811	\$ -0-	\$ 455,189
72-02	MWWTP - Compressor Bldg.	III	15,640,000	-0-	15,640,000	15,561,645	-0-	78,355
72-07	Maintenance & Dispatch Bldg.	III	3,350,000	-0-	3,350,000	317,607	-0-	3,032,393
74-01	MWWTP - Sludge Disposal	III						
(400)	Sludge Thickening Facilities	III	31,459,196	-0-	31,459,196	30,742,407	537,423	179,366
(403)	Digital Acquisition & Control System	III	10,185,664	-0-	10,185,664	9,979,582	-0-	206,082
(406)	Sludge Dewatering Bldg.	III	9,589,333	-0-	9,589,333	9,378,094	-0-	211,239
(407)	Sludge Processing Equip.	III	11,800,066	-0-	11,800,066	11,677,700	10,775	111,591
(408)	Sludge Processing Bldg.	III	103,480,000	-0-	103,480,000	100,373,357	252,015	2,854,628
75-01	Residual Solids Management	I	1,774,798	-0-	1,774,798	1,555,862	-0-	218,936
75-10	Engineering Services-NPDES Permits	I	170,000	-0-	170,000	119,806	-0-	50,194
75-50	Metro Planning	I	2,190,000	300,000	2,490,000	1,409,041	-0-	1,080,959
76-07	MWWTP Retrofit Process Control	III	17,750,000	-0-	17,750,000	2,962,002	3,254,892	11,533,106
76-13	Environmental Inventory & Assn.	I	749,202	-0-	749,202	606,965	-0-	142,237
76-55	Combined Sewer Study	I	2,808,600	-0-	2,808,600	2,580,285	-0-	228,315
77-05	Beltline Reg./Intcp. Improv.	III	4,350,000	-0-	4,350,000	355,685	-0-	3,994,315
78-01	Future System Configuration	I	524,363	-0-	524,363	502,989	-0-	21,374
79-06	Hastings Plant Improvement	III	10,013,625	-0-	10,013,625	1,347,648	7,219,498	1,446,479
79-50	Stipulation Agree. Metro	I	405,000	-0-	405,000	271,300	-0-	133,700
79-79	I/I Analysis & Rehab. - Community Grants	III	4,113,000	-0-	4,113,000	3,289,085	-0-	823,915
79-80	MWWTP Add'l. Sec. Trt. Fac.	III	24,347,600	(1,962,985)	22,384,615	16,590,188	3,518,972	2,275,455
79-96	Overhead (Not Reimbursable)	I	-0-	100,000	100,000	-0-	-0-	100,000
79-97	Overhead (Other than Metro)	I	-0-	500,000	500,000	-0-	-0-	500,000
79-98	Overhead (Metro Field Office)	I	-0-	600,000	600,000	-0-	-0-	600,000
81-51	Lake Gervais Interceptor	III	8,600,000	-0-	8,600,000	497,356	164,661	7,937,983
81-63	Planning Prog. Budg. Systems	I	325,000	-0-	325,000	182,514	-0-	142,486
81-65	Misc. Capital Improvements	III	3,920,000	-0-	3,920,000	3,468,047	33,447	410,506
82-52	CAB Interceptor	III	20,320,000	-0-	20,320,000	4,452,128	10,880,890	4,986,982
82-53	Lake Ann Intercept	II	500,000	-0-	500,000	123,704	244,371	131,925
82-54	Interceptor Rehab.	II	100,000	-0-	100,000	2,869	-0-	97,131
82-55	Minneapolis East Intcp.	III	38,662,000	2,520,000	41,182,000	2,085,211	114,329	38,982,460
82-56	MWWTP Screen & Grit Rehab.	III	700,000	8,050,000	8,750,000	204,740	408,612	8,136,648
78-03	Interim Sludge Disposal	III	1,885,000	-0-	1,885,000	1,877,224	-0-	7,776

Program No.	Project	Step Approval	Previously Appropriated	Additional Appropriations	Total Appropriations	Expenditures As Of 12/31/83	Encumbered Balance	Unencumbered Balance
82-57	MWWTP Primary Treatment Facility Rehab.	III	\$ 1,135,000	\$ 12,400,000	\$ 13,535,000	\$ 640,091	\$ 305,180	\$ 12,589,729
82-58	MWWTP Secondary Treatment Facility Rehab.	III	900,000	4,550,000	5,450,000	265,102	159,376	5,025,522
82-59	Blue Lake Plant Sludge Thickening Facilities	III	4,200,000	300,000	4,500,000	170,286	141,118	4,168,596
83-51	Chaska Plant Improvement	II	200,000	50,000	250,000	32	-0-	249,968
83-52	Maple Plain Interceptor	III	100,000	2,000,000	2,100,000	4,681	-0-	2,095,319
83-53	Minnesota River Study	I	100,000	-0-	100,000	20,782	33,267	45,951
83-54	MWWTP Peak Power Demand Supply	II	35,000	100,000	135,000	8,349	18,675	107,976
83-55	MWWTP Fire Detection & Alarm System Study	I	25,000	-0-	25,000	1,421	-0-	23,579
83-56	Lift Station Electrical System Rehab.	I	25,000	-0-	25,000	966	-0-	24,034
83-57	Metering & Lift Station Alarm System Improvements	II	25,000	225,000	250,000	24,059	2,193	223,748
83-58	MWWTP Disinfection	III	5,500,000	-0-	5,500,000	103,856	-0-	5,396,144
83-59	Medina Interceptor	III	1,625,000	-0-	1,625,000	80,797	36,617	1,507,586
83-60	Mendota Lift Station Intcp.	III	400,000	-0-	400,000	233,365	153,303	13,332
83-61	Lino Lakes Second Intcp. Connection	III	50,000	240,000	290,000	-0-	-0-	290,000
83-62	Ramsey - Second Interceptor Connection	III	485,000	-0-	485,000	-0-	-0-	485,000
83-65	Misc. Capital Improvements	III	1,500,000	402,420	1,902,420	164,729	94,518	1,643,173
84-51	New Brighton Intcp.	III	100,000	400,000	500,000	-0-	-0-	500,000
TOTALS			<u>\$350,377,447</u>	<u>\$30,774,435</u>	<u>\$381,151,882</u>	<u>\$228,038,360</u>	<u>\$27,584,132</u>	<u>\$125,529,382</u>

PREVIOUSLY FUNDED

Project 71-32 Little Canada-Shoreview Interceptor

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

Status: Project is completed.

Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/82	2,686,493	537,299	581,019	3,804,811
During 1984	-0-	-0-	435,554	435,554
During 1985	-0-	-0-	19,635	19,635
Total:	<u>2,686,493</u>	<u>537,299</u>	<u>1,036,208</u>	<u>4,260,000</u>

Project 72-02 Metro Compressor Building

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

Status: Project will be completed in 1985, and has been delayed due to longer than anticipated start-up and correction of minor punch list deficiencies.

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 12/31/83	10,477,650	2,095,530	2,988,465	15,561,645
During 1984	-0-	-0-	40,000	40,000
During 1985	-0-	-0-	38,355	38,355
Total:	<u>10,477,650</u>	<u>2,095,530</u>	<u>3,066,820</u>	<u>15,640,000</u>

Project 72-07 Maintenance & Dispatch Building

Description: As part of its responsibilities for operating and maintaining the Metropolitan Disposal System, the Metropolitan Waste Control Commission owns 14 wastewater treatment plants, approximately 140 metering stations and about 55 sewage lift stations spread throughout the six service areas presently comprising the Metropolitan Disposal System. There is need to have a centralized service center to dispatch the maintenance crews to the smaller plants and other facilities to provide timely and reliable maintenance. Such a facility will have a very possible effect on meeting the plant standards and to convey the sewage in the system. The proposed project will consist of a building near the Seneca Plant to dispatch service vehicles and personnel to properly maintain all outlying facilities.

Status: Step II, Plans and Specifications have been completed. Construction is planned during 1985 and 1986. Construction was delayed due to funding considerations.

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 12/31/83	225,723	45,145	46,739	317,607
During 1984	-0-	-0-	100,000	100,000
During 1985	-0-	-0-	1,500,000	1,500,000
During 1986	-0-	-0-	1,432,393	1,432,393
Total:	<u>225,723</u>	<u>45,145</u>	<u>3,079,132</u>	<u>3,350,000</u>

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

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

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

Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/83	23,092,239	4,618,448	3,031,720	30,742,407
During 1984	-0-	-0-	400,000	400,000
During 1985	-0-	-0-	316,789	316,789
Total:	<u>23,092,239</u>	<u>4,618,448</u>	<u>3,748,509</u>	<u>31,459,196</u>

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

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

Status: Project is essentially complete and is being completed by the Operation's Department as per prior action with the contractor.

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 12/31/83	6,584,272	1,316,854	2,078,456	9,979,582
During 1984	57,167	11,434	37,481	106,082
During 1985	<u>-0-</u>	<u>-0-</u>	<u>100,000</u>	<u>100,000</u>
Total:	<u>6,641,439</u>	<u>1,328,288</u>	<u>2,215,937</u>	<u>10,185,664</u>

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

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

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

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

Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/83	7,153,235	1,430,647	794,212	9,378,094
During 1984	-0-	-0-	150,000	150,000
During 1985	<u>-0-</u>	<u>-0-</u>	<u>61,239</u>	<u>61,239</u>
Total:	<u>7,153,235</u>	<u>1,430,647</u>	<u>1,005,451</u>	<u>9,589,333</u>

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

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

Status: Project will be completed in 1985, and has been delayed due to longer than anticipated start-up and correction of minor punch list deficiencies.

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

Annual Expenditures and Sources of Funds:

	<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/83		7,195,713	1,439,143	3,017,043	11,651,899
During	1984	-0-	-0-	100,000	100,000
During	1985	-0-	-0-	48,167	48,167
Total:		<u>7,195,713</u>	<u>1,439,143</u>	<u>3,165,210</u>	<u>11,800,066</u>

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

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

Status: Project will be completed in 1985, and has been delayed due to construction contract circumstances.

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 12/31/83		56,652,975	11,330,595	32,420,103	100,403,673
During	1984	750	150	1,999,100	2,000,000
During	1985	-0-	-0-	1,076,327	1,076,327
Total:		<u>56,653,725</u>	<u>11,330,745</u>	<u>35,495,530</u>	<u>103,480,000</u>

Project 75-01 Residual Solids Management

Description: The objective of the Study is to develop a technically, economically and environmentally acceptable system for the reuse and/or disposal of residual solids, such as ash, grit, screenings and sludge from all of the Commission's treatment plants.

Immediate ash and sludge disposal needs will be analyzed and alternatives for a long range system will be refined, including the determination of the viability of economically marketing Heat Dried Sludge.

Status: Study initiated in 1977, site selection for disposal of ash/sludge currently under study, and initial steps have been taken to initiate a market study of Heat Dried Sludge. The Metropolitan Council still has not located a site for the ash.

Project 75-01 Residual Solids Management (continued)

Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/83	1,166,896	233,379	155,587	1,555,862
During 1984	89,203	17,841	11,892	118,936
During 1985	<u>-0-</u>	<u>-0-</u>	<u>100,000</u>	<u>100,000</u>
Total:	<u>1,256,099</u>	<u>251,220</u>	<u>267,479</u>	<u>1,774,798</u>

Project 75-10 Engineering Services - NPDES Permits

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

Status: Each NPDES Permit will be revised periodically.

Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/83	119,806	119,806
During 1984	25,000	25,000
During 1985	<u>25,194</u>	<u>25,194</u>
Total:	<u>170,000</u>	<u>170,000</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.

Status: These costs will continue indefinitely.

Project 75-50 Metro Planning (continued)

Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/83	1,409,041	1,409,041
During 1984	500,000	500,000
During 1985	580,959	580,959
Total:	<u>2,490,000</u>	<u>2,490,000</u>

Project 76-07 MWWTP Retrofit Process Control

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

Status: The Step II design work has been completed and construction is expected to start in later 1984.

Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/83	1,882,579	376,516	699,818	2,958,913
During 1984	2,533,630	506,726	337,817	3,378,173
During 1985	3,921,370	784,274	522,850	5,228,494
During 1986	3,258,211	651,642	434,429	4,344,282
During 1987	<u>1,078,310</u>	<u>215,662</u>	<u>546,166</u>	<u>1,840,138</u>
Total:	<u>12,674,100</u>	<u>2,534,820</u>	<u>2,541,080</u>	<u>17,750,000</u>

Project 76-13 Environmental Program

Description: To establish a base line inventory of environmental characteristics of the Metropolitan Area as a basis for project planning and preparation of environmental assessments. The study will provide a framework by which to evaluate the cumulative impacts of the facilities planned in the program. Emphasis is on water resources, community growth patterns land use trends and questions of 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 is being kept open and will continue into 1985.

Project 76-13 Environmental Program (Continued)

Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/83	455,224	91,045	60,696	606,965
During 1984	52,500	10,500	7,000	70,000
During 1985	54,178	10,836	7,223	72,237
Total:	<u>561,902</u>	<u>112,381</u>	<u>74,919</u>	<u>749,202</u>

Project 76-55 Combined Sewer Study

Description: The study will determine the environmental impact of the combined sewer overflow on the Mississippi River and will formulate an abatement program leading towards the reduction or elimination of combined sewer overflows. The study will include an assessment of combined sewer overflows, general planning of the abatement program and preliminary engineering of the required abatement facilities.

Status: The study will continue into 1985, and is currently being updated to reflect planning by the cities.

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 12/31/83	1,935,214	387,043	258,028	2,580,285
During 1984	35,462	7,092	57,446	100,000
During 1985	-0-	-0-	128,315	128,315
Total:	<u>1,970,676</u>	<u>394,135</u>	<u>443,789</u>	<u>2,808,600</u>

Project 77-05 Beltline Regulator/Interceptor Improvements

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

Status: The plans and specifications are completed and construction is expected to start in late 1984.

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

Annual Expenditures and Sources of Funds:

	<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/83		122,569	24,514	208,602	355,685
During	1984	-0-	-0-	100,000	100,000
During	1985	2,367,731	473,546	315,698	3,156,975
During	1986	-0-	-0-	737,340	737,340
Total:		<u>2,490,300</u>	<u>498,060</u>	<u>1,361,640</u>	<u>4,350,000</u>

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

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

Status: The study is being kept open and will continue into 1985, because of the CSO Study.

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 12/31/83		377,241	75,448	50,300	502,989
During	1984	8,531	1,706	1,137	11,374
During	1985	7,500	1,500	1,000	10,000
Total:		<u>393,272</u>	<u>78,654</u>	<u>52,437</u>	<u>524,363</u>

Project 78-03 Interim Sludge Disposal

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

Status: The project was completed in 1984.

Annual Expenditures and Sources of Funds:

	<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/82		504,525	100,905	1,271,794	1,877,224
During	1984	-0-	-0-	7,776	7,776
Total:		<u>504,525</u>	<u>100,905</u>	<u>1,279,570</u>	<u>1,885,000</u>

Project 79-06 Hastings Plant Improvements and Expansion

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

Status: The construction will be completed in early 1986. Construction was delayed due to grant funding.

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 12/31/83		1,010,736	202,147	134,765	1,347,648
During	1984	3,000,000	600,000	300,000	3,900,000
During	1985	2,250,000	450,000	300,000	3,000,000
During	1986	<u>1,437,564</u>	<u>287,513</u>	<u>40,900</u>	<u>1,765,977</u>
Total:		<u>7,698,300</u>	<u>1,539,660</u>	<u>775,665</u>	<u>10,013,625</u>

Project 79-50 Stipulation Agreement - Metro

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

Status: Will be completed in 1985.

Annual Expenditures and Sources of Funds:

	<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/83		271,300	271,300
During	1984	90,000	90,000
During	1985	<u>43,700</u>	<u>43,700</u>
Total:		<u>405,000</u>	<u>405,000</u>

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

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

Status: These various projects will be completed in 1985.

Project 79-79 I/I Analysis and Rehabilitation - Community Grants (continued)

Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/83	2,436,474	487,295	363,891	3,287,660
During 1984	300,000	60,000	40,000	400,000
During 1985	<u>319,005</u>	<u>63,801</u>	<u>42,534</u>	<u>425,340</u>
Total:	<u>3,055,479</u>	<u>611,096</u>	<u>446,425</u>	<u>4,113,000</u>

Project 79-80 MWWTP Additional Secondary Treatment Facilities

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

Status: Construction will be completed in 1985.

Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/83	11,681,820	2,336,364	2,572,004	16,590,188
During 1984	2,250,000	450,000	300,000	3,000,000
During 1985	<u>1,235,430</u>	<u>247,086</u>	<u>1,311,911</u>	<u>2,794,427</u>
Total:	<u>15,167,250</u>	<u>3,033,450</u>	<u>4,183,915</u>	<u>22,384,615</u>

Project 79-96 Construction Overhead Costs (Unreimbursable)

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

1. Office Equipment, etc., costing more than \$200.00;
2. All Resident Engineer and Inspector time chargeable to projects that had been closed out on our books in previous years.
3. All non-labor expenses incurred on projects that had been closed out on our books in previous years.

Status: These costs will continue indefinitely.

Project 79-96 Construction Overhead Costs (Unreimbursable) (continued)

Annual Expenditures and Sources of Funds:

	<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
During	1984	50,000	50,000
During	1985	<u>50,000</u>	<u>50,000</u>
Total:		<u>100,000</u>	<u>100,000</u>

Project 79-97 Construction Overhead Reimbursable (Outside Metro)

Description: This program will accumulate all Construction Department Overhead costs outside of the Metro Field Office that are grant reimbursable.

Status: These costs will continue indefinitely.

Annual Expenditures and Sources of Funds:

	<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
During	1984	250,000	250,000
During	1985	<u>250,000</u>	<u>250,000</u>
Total:		<u>500,000</u>	<u>500,000</u>

Project 79-98 Construction Overhead Reimbursable (Metro Field Office)

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

Status: These costs will continue indefinitely.

Annual Expenditures and Sources of Funds:

	<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
During	1984	300,000	300,000
During	1985	<u>300,000</u>	<u>300,000</u>
Total:		<u>600,000</u>	<u>600,000</u>

Project 81-51 Lake Gervais Interceptor

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

Status: Construction is scheduled to start in late 1984. Construction start was delayed due to late start of Lower Beltline (77-05).

Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/83	497,356	497,356
During 1984	100,000	100,000
During 1985	4,000,000	4,000,000
During 1986	<u>4,002,644</u>	<u>4,002,644</u>
Total:	<u>8,600,000</u>	<u>8,600,000</u>

Project 81-63 Planning, Programming, Budgeting Systems

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

Status: The program will continue into 1985.

Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/83	182,514	182,514
During 1984	72,486	72,486
During 1985	<u>70,000</u>	<u>70,000</u>
Total:	<u>325,000</u>	<u>325,000</u>

Project 81-65 Miscellaneous Capital Improvements

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

Project 81-65 Miscellaneous Capital Improvements (continued)

<u>Project</u>	<u>1985 Capital Project Cost</u>
Administration - Consists of completed projects, general investigations of need for improvements, preliminary engineering and small projects.	\$ 3,468,047
Cottage Grove Plant Improvements - Consists of improvements to the primary digester cover.	\$ 120,000
South St. Paul Phase Out - Provides for improvements needed to phase out plant including odor control, emergency by-pass, bar screen and other improvements.	\$ 235,953
Lake Virginia Odor Control - Provides for odor control improvements.	\$ 92,000
Metro Plant Slum Incinerator - Provides for modifications to the existing facilities to provide for more effective operations.	\$ 4,000

Status: All projects will be completed in 1985.

Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/83	3,468,047	3,468,047
During 1984	296,000	296,000
During 1985	155,953	155,953
Total:	<u>3,920,000</u>	<u>3,920,000</u>

Project 82-52 CAB Interceptor

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

Status: The construction will be completed in early 1985.

Project 82-52 CAB Interceptor (continued)

Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/83	4,452,128	4,452,128
During 1984	10,000,000	10,000,000
During 1985	<u>5,867,872</u>	<u>5,867,872</u>
Total:	<u>20,320,000</u>	<u>20,320,000</u>

Project 82-53 Lake Ann Interceptor

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

Status: Plans and Specifications will be prepared and will be completed in 1985.

Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/83	123,704	123,704
During 1984	<u>376,296</u>	<u>376,296</u>
Total:	<u>500,000</u>	<u>500,000</u>

Project 82-54 Interceptor Rehabilitation

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

Status: Design work will continue into 1985.

Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/83	2,869	2,869
During 1984	10,000	10,000
During 1985	<u>87,131</u>	<u>87,131</u>
Total:	<u>100,000</u>	<u>100,000</u>

Project 82-55 Minneapolis East Interceptor

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

Status: Plans and Specifications will be completed in 1984. Partial construction will commence in 1985. Delayed due to lack of grant funds.

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 12/31/83	-0-	-0-	2,085,211	2,085,211
During 1984	-0-	-0-	100,000	100,000
During 1985	6,701,866	-0-	3,298,134	10,000,000
During 1986	13,750,000	-0-	11,250,000	25,000,000
During 1987	<u>2,198,234</u>	<u>-0-</u>	<u>1,798,555</u>	<u>3,996,789</u>
Total:	<u>22,650,100</u>	<u>-0-</u>	<u>18,531,900</u>	<u>41,182,000</u>

Project 82-56 MWWTP Screen and Grit Facility Rehabilitation

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

Status: Construction will start in 1985.

Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/83	-0-	-0-	204,740	204,740
During 1984	-0-	-0-	300,000	300,000
During 1985	2,477,607	-0-	1,522,393	4,000,000
During 1986	<u>2,334,893</u>	<u>-0-</u>	<u>1,910,367</u>	<u>4,245,260</u>
Total:	<u>4,812,500</u>	<u>-0-</u>	<u>3,937,500</u>	<u>8,750,000</u>

Project 82-57 MWWTP Primary Treatment Facility Rehabilitation

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

Status: Construction will start in 1985.

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

Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/83	-0-	-0-	640,091	640,091
During 1984	-0-	-0-	535,000	535,000
During 1985	2,846,300	-0-	1,153,700	4,000,000
During 1986	<u>4,597,950</u>	<u>-0-</u>	<u>3,761,959</u>	<u>8,359,909</u>
Total:	<u>7,444,250</u>	<u>-0-</u>	<u>6,090,750</u>	<u>13,535,000</u>

Project 82-58 MWWTP Secondary Treatment Facility Rehabilitation

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

Status: Construction is expected to start in early 1985.

Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/83	-0-	-0-	265,102	265,102
During 1984	37,500	7,500	5,000	50,000
During 1985	1,350,000	270,000	180,000	1,800,000
During 1986	<u>2,078,325</u>	<u>415,665</u>	<u>840,908</u>	<u>3,334,898</u>
Total:	<u>3,465,825</u>	<u>693,165</u>	<u>1,291,010</u>	<u>5,450,000</u>

Project 82-59 Blue Lake WWTW Sludge Thickening Facilities

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

Status: Construction will be initiated in 1985. Delayed due to lack of grant funds.

Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Federal Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/83	93,657	76,629	170,286
During 1984	5,500	4,500	10,000
During 1985	1,100,000	900,000	2,000,000
During 1986	<u>1,275,843</u>	<u>1,043,871</u>	<u>2,319,714</u>
Total:	<u>2,475,000</u>	<u>2,025,000</u>	<u>4,500,000</u>

Project 83-51 Chaska Plant Improvements - Step II

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

Status: Plans and Specifications will be completed in 1985. Delayed due to lack of grant funds.

Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/83	32	32
During 1984	50,000	50,000
During 1985	<u>199,968</u>	<u>199,968</u>
Total:	<u>250,000</u>	<u>250,000</u>

Project 83-52 Maple Plain Interceptor

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

Status: Plans and Specifications will be completed in early 1984. Construction will start in 1985.

Project 83-52 Maple Plain Interceptor (continued)

Annual Expenditures and Sources of Funds:

	<u>Year</u>	<u>Federal Grants</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/83		-0-	-0-	4,681	4,681
During	1984	55,000	-0-	40,319	95,319
During	1985	550,000	-0-	450,000	1,000,000
During	1986	<u>550,000</u>	<u>-0-</u>	<u>450,000</u>	<u>1,000,000</u>
Total:		<u>1,155,000</u>	<u>-0-</u>	<u>945,000</u>	<u>2,100,000</u>

Project 83-53 Minnesota River Study

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

Status: Study will continue into 1985.

Annual Expenditures and Sources of Funds:

	<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/83		20,782	20,782
During	1984	20,000	20,000
During	1985	<u>59,218</u>	<u>59,218</u>
Total:		<u>100,000</u>	<u>100,000</u>

Project 83-54 MWWTP Peak Demand Shaving and Stand-By Power

Description: The project consists of Step II Services to design a Peak Shaving Transfer System to reduce the plant monthly Demand Charge and Stand-by Power for Auxiliary Boiler Equipment. The system will consist of engine-generator sets, switchgears, peak load controllers, transfer switches and controls, wiring for peak shaving loads and for additional stand-by power to Auxiliary Boiler Equipment (ID Fans, Feed Water Pumps, Air Compressors, etc.).

Status: Design will be initiated in 1985.

Project 83-54 MWWTP Peak Demand Shaving and Stand-By Power (continued)

Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/83	8,349	8,349
During 1984	18,651	18,651
During 1985	100,000	100,000
During 1986	<u>8,000</u>	<u>8,000</u>
Total:	<u>135,000</u>	<u>135,000</u>

Project 83-55 MWWTP Fire Detection and Alarm System Study

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

Status: Study will be conducted in 1984. Delayed due to reassessment of priorities.

Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/83	1,421	1,421
During 1984	<u>23,579</u>	<u>23,579</u>
Total:	<u>25,000</u>	<u>25,000</u>

Project 83-56 Lift Station Electrical System Rehabilitation

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

Status: Study will be conducted in 1984. Delayed due to reassessment of priorities.

Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/83	966	966
During 1984	<u>24,034</u>	<u>24,034</u>
Total:	<u>25,000</u>	<u>25,000</u>

Project 83-57 Metering and Lift Station Alarm System Improvements

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

Status: Plans and Specifications will be prepared in 1984 and early 1985.

Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/83	24,059	24,059
During 1984	100,000	100,000
During 1985	<u>125,941</u>	<u>125,941</u>
Total:	<u>250,000</u>	<u>250,000</u>

Project 83-58 MWWTP Disinfection

Description: The NPDES permit requires compliance with stringent effluent chlorine residual standards by June 1, 1986. It also requires construction of such facilities be started January 1, 1985. Engineering design was initiated in January, 1984, and is expected to be completed in mid-1984. The design provides new dechlorination facilities using sulfur dioxide. The project also includes improvements to the existing chlorination process to make it compatible with dechlorination and plant-wide practices such as computer control.

Status: Plans and specifications will be completed in 1984.

Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>State Grants</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/83	-0-	103,856	103,856
During 1984	-0-	400,000	400,000
During 1985	-0-	3,000,000	3,000,000
During 1986	<u>-0-</u>	<u>1,996,144</u>	<u>1,996,144</u>
Total:	<u>-0-</u>	<u>5,500,000</u>	<u>5,500,000</u>

Project 83-59 Medina Interceptor

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

Status: Construction will be completed in 1984.

Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/83	80,797	80,797
During 1984	<u>1,544,203</u>	<u>1,544,203</u>
Total:	<u>1,625,000</u>	<u>1,625,000</u>

Project 83-60 Mendota Lift Station & Interceptor

Description: The interceptor will consist of a lift station constructed on Second Street between E Street and F Street, approximately 2000 feet of forcemain paralleling Second Street and State Highway 13 and 2600 feet of 8-inch gravity pipe also paralleling State Highway 13. The interceptor will discharge to a manhole located at Lexington Avenue and State Highway 13.

The Interceptor is necessary to eliminate existing on-site system pollution problems.

Status: Construction will be completed in 1985.

Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/83	233,365	233,365
During 1984	100,000	100,000
During 1985	<u>66,635</u>	<u>66,635</u>
Total:	<u>400,000</u>	<u>400,000</u>

Project 83-61 Lino Lakes Interceptor

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

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

Status: Plans and specifications will be completed in 1984. Construction will be during 1985.

Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/83	-0-	-0-
During 1984	50,000	50,000
During 1985	<u>240,000</u>	<u>240,000</u>
Total:	<u>290,000</u>	<u>290,000</u>

Project 83-62 Ramsey Second Connection

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

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

Status: Plans and specifications will be completed in 1984, and construction is scheduled for 1985.

Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/83	-0-	-0-
During 1984	65,000	65,000
During 1985	<u>420,000</u>	<u>420,000</u>
Total:	<u>485,000</u>	<u>485,000</u>

Schedule 12-23

Project 83-65 Miscellaneous Capital Improvements

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

<u>Project</u>	<u>Capital Project Cost</u>
Administration - Consists of completed projects, general investigations of need for improvements, preliminary engineering and small projects.	\$ 600,000
Lift Stations - Consists of: Coon Rapids Lift Station Pump Replacement.	\$ 166,000
South St. Paul Plant Demolition - Consists of work necessary to demolish most of the existing structures.	\$ 150,000
Metro R&D Facility in F&I #1 - Provides office and lab improvements for the research and development staff.	\$ 100,000
Shoreview Interceptor Improvements - Consists of a new interceptor under the highway to replace our existing section of line.	\$ 200,000
Ventilation Improvements for ID Fan Room 7-10 - Consists of prevention of overheating of fan drives.	\$ 65,000
Fire Protection System for the Sludge Processing Building - Consists of standpipe system for fire-fighting.	\$ 65,000
MMWTP Compressor Building Surge Protection Equipment - Consists of protection of compressor motors.	\$ 103,720
MMWTP Odor Control Modifications to Sludge Holding Tanks - Consists of piping from the holding tanks to the dewatering building.	\$ 75,000
Truck Scale for Sludge Hauling - Consists of scale, pit and electronics to monitor sludge spreading program.	\$ 80,000
Savage Meter Station Improvements - Provides for Commission meter to determine flow from a collection system.	\$ 27,700
Anoka Plant Improvements - Consists of upgrading raw wastewater pumping, provide additional aeration capacity, chlorination improvements, and miscellaneous minor instrumentation.	\$ 70,000

Project 83-65 Miscellaneous Capital Improvements (continued)

Empire Plant Improvements - Consists of digester access opening, digester liquid level sensors, centrate line modifications, power factor correction, influent sampler flow pacing, digester number 4 cover improvements, plant flow meter modifications, blower building MCC cooling system, extended aeration modifications, filter building hoist, and bar screen maintenance platforms.

\$ 200,000

SUBTOTAL:

\$ 1,902,420

Reserve List of Projects

Blue Lake Plant Improvements - Consists of piping modifications to allow more process flexibility.

Cottage Grove Plant - Consists of grit removal facilities, telescoping valve improvements, gas scrubber and power factor correction improvements.

Seneca Plant - Consists of flotation thickener modifications, ash handling system improvements, piping modifications. Return sludge chlorination improvements and storage building.

Stillwater Plant - Consists of odor control for lift pump area, chlorination building and equipment relocation.

St. Louis Park Lift Station Replacement - Consists of a new lift station to replace an inadequate facility.

Odor Control for Shakopee Lift Station - Consists of improvements to alleviate the odor problem.

Odor Control for Lino Lakes Lift Station - Consists of improvements to alleviate the odor problem.

Interceptor Improvements - Consists of Plymouth-New Hope Interceptor air relief systems, regulator system improvements, Trout Brook Interceptor joint improvements, France Avenue Interceptor rehabilitation and Hopkins and St. Louis Park forcemain alterations, sealing of manholes and castings.

Metro Plant Incineration Facilities - Consists of modifications to air duct, No. 5 fuel oil storage tank.

Project 83-65 Miscellaneous Capital Improvements (continued)

Metro Plant Compressor Facilities - Consists of modifications to switchgear, emergency power, PCB transformers, and other modifications.

Metro Plant Pretreatment Facilities - Consists of improvements to flow metering, grit dewatering.

TOTAL: \$ 1,902,420

Status: Projects will continue into 1985.

Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/83	164,729	164,729
During 1984	1,000,000	1,000,000
During 1985	737,691	737,691
Total:	<u>1,902,420</u>	<u>1,902,420</u>

Project 84-51 New Brighton Interceptor Extension

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

Status: Plans will be prepared during 1984, and construction is scheduled for 1985.

Annual Expenditures and Sources of Funds:

<u>Year</u>	<u>Local Funds</u>	<u>Total</u>
Prior to 12/31/83	-0-	-0-
During 1984	100,000	100,000
During 1985	400,000	400,000
Total:	<u>500,000</u>	<u>500,000</u>

SOURCE OF AUTHORIZATION FOR PROJECTS

Project 72-02 MWWTP - Compressor Building

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

Project 72-07 Maintenance & Dispatch Building

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

Project 74-01 MWWTP - Sludge Disposal

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

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

Project 75-01 Ultimate Disposal Site

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

Project 75-10 Engineering Service - NPDES Permits

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

Project 75-50 Metro Planning

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

Project 76-07 MWWTP Instrumentation

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

Project 76-13 Environmental Inventory & Assessment

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

Project 76-55 Combined Sewer Study

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

Project 77-05 Beltline Reg./Intcp. Improvements

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

Project 78-01 Future System Configuration

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

Project 79-06 Hastings Plant Improvements

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

Project 79-50 Stipulation Agreement - Metro

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

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

Source of Authorization: Administration of the pass through grants for infiltration/inflow analysis of about 30 communities.

Project 79-80 MWWTP Additional Secondary Treatment Facilities

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

Project 81-51 Lake Gervais Interceptor

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

Project 81-63 Planning, Programming, Budgeting Systems

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

Project 81-65 Miscellaneous Capital Improvements

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

Project 82-52 CAB Interceptor

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

Project 82-53 Lake Ann Interceptor

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

Project 82-54 Interceptor Rehabilitation

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

Project 82-55 Minneapolis East Interceptor

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

Project 82-56 MWWTP Screen and Grit Rehabilitation

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

Project 82-57 MWWTP Primary Settling Tank Rehabilitation

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

Project 82-58 MWWTP Secondary Treatment Facility Rehabilitation

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

Project 82-59 Blue Lake WWTP Sludge Thickening Facilities

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

Project 83-51 Chaska Plant Improvements

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

Project 83-52 Maple Plain Plant Improvements

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

Project 83-53 Minnesota River Study

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

Project 83-54 MWWTP Peak Power Demand Study

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

Project 83-55 MWWTP Fire Detection Alarm System Study

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

Project 83-56 Lift Station Electrical System Rehabilitation

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

Project 83-57 Metering and Lift Station Alarm System Improvements

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

Project 83-58 MWWTP Disinfection

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

Project 83-59 Medina Interceptor

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

Project 83-60 Mendota Lift Station and Interceptor

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

Project 83-61 Lino Lakes Second Interceptor Connection

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

Project 83-62 Ramsey Second Interceptor Connection

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

Project 83-65 Miscellaneous Capital Improvements

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

Project 84-51 New Brighton Interceptor

Source of Authorization: Approved as a project in the 1984 Capital Budget.

SCHEDULE OF
PROJECTS COMPLETED OR TO BE COMPLETED IN 1984

Project Number

Name of Project

71-32

Little Canada - Shoreview

78-03

Interim Sludge Disposal

REQUEST FOR ADDITIONAL FUNDING

Project 75-50 Metro Planning

Reason for Increase: The increase of \$300,000 is based on previous Metropolitan Council's estimate of costs for 1985.

Previously Appropriated	\$ 2,190,000
Actual Expenditures (4/30/84)	\$ <u>1,409,041</u>
Balance	\$ 780,959
Additional Appropriation Requested	\$ <u>300,000</u>

Project 79-80 Additional Secondary Treatment Facility

Reason for Decrease: The decrease of \$1,200,000 is needed to provide funds for overhead costs contained in Projects 79-96, 79-97, and 79-98.

Previously Appropriated	\$ 24,750,000
Actual Expenditures (4/30/84)	\$ <u>16,987,474</u>
Balance	(\$ 1,962,295)
Reduced Appropriation Requested	(\$ <u>1,200,000</u>)

Project 79-96 Construction Overhead Costs (Unreimbursable)

Reason for Increase: The increase of \$100,000 is due to the recommendation of the consultant hired by the MWCC to segregate overhead costs from direct project costs in order to be grant eligible. Please note the decrease in Project 79-80 above of \$1,200,000 to provide funds for these three (3) overhead programs 79-96, 79-97, and 79-98. These expenditures were previously budgeted in all of the existing 45 programs indicated on Schedule 12.

Previously Appropriated	\$ -0-
Actual Expenditures (4/30/84)	\$ <u>-0-</u>
Balance	\$ -0-
Additional Appropriation Requested	\$ <u>100,000</u>

Project 79-97 Construction Overhead Reimbursable (Outside Metro)

Reason for Increase: The increase of \$500,000 is due to the recommendation of the consultant hired by the MWCC to segregate overhead costs from direct project costs in order to be grant eligible. Please note the decrease in Project 79-80 above of \$1,200,000 to provide funds for these three (3) overhead programs 79-96, 79-97, and 79-98. These expenditures were previously budgeted in all of the existing 45 programs indicated on Schedule 12.

Previously Appropriated	\$ -0-
Actual Expenditures (4/30/84)	\$ <u>-0-</u>
Balance	\$ -0-
Additional Appropriation Requested	\$ <u>500,000</u>

Project 79-98 Construction Overhead Reimbursable (Metro Field Office)

Reason for Increase: The increase of \$600,000 is due to the recommendation of the consultant hired by the MWCC to segregate overhead costs from direct project costs in order to be grant eligible. Please note the decrease in Project 79-80 above of \$1,200,000 to provide funds for these three (3) overhead programs 79-96, 79-97, and 79-98. These expenditures were previously budgeted in all of the existing 45 programs indicated on Schedule 12.

Previously Appropriated	\$ -0-
Actual Expenditures (4/30/84)	\$ <u>-0-</u>
Balance	\$ -0-
Additional Appropriation Requested	\$ <u>600,000</u>

Project 82-55 Minneapolis East Interceptor

Reason for Increase: The increase is needed to provide additional construction fund to cover inflation increases.

Previously Appropriated	\$ 38,662,000
Actual Expenditures (4/30/84)	\$ <u>2,171,017</u>
Balance	\$ 36,490,983
Additional Appropriation Requested	\$ <u>2,520,000</u>

Project 82-56 MWWTP Screen and Grit Facility Rehabilitation

Reason for Increase: The increase is needed to provide funds for the construction phase.

Previously Appropriated	\$ 700,000
Actual Expenditures (4/30/84)	\$ <u>370,109</u>
Balance	\$ 329,891
Additional Appropriation Requested	\$ <u>8,050,000</u>

Project 82-57 MWWTP Primary Treatment Facility Rehabilitation

Reason for Increase: The increase is needed to provide funds for the construction phase.

Previously Appropriated	\$ 1,135,000
Actual Expenditures (4/30/84)	\$ <u>896,829</u>
Balance	\$ 238,171
Additional Appropriation Requested	\$ <u>12,400,000</u>

Project 82-58 MWWTP Secondary Treatment Facility Rehabilitation

Reason for Increase: The increase is needed to provide funds for the construction phase.

Previously Appropriated	\$ 900,000
Actual Expenditures (4/30/84)	\$ <u>309,751</u>
Balance	\$ 590,249
Additional Appropriation Requested	\$ <u>4,550,000</u>

Project 82-59 Blue Lake WWTP Sludge Thickening Facilities

Reason for Increase: The increase is needed to provide additional construction fund to cover inflation increases.

Previously Appropriated	\$ 4,200,000
Actual Expenditures (4/30/84)	\$ <u>170,304</u>
Balance	\$ 4,029,696
Additional Appropriation Requested	\$ <u>300,000</u>

Project 83-51 Chaska Plant Improvements

Reason for Increase: The increase is needed to provide additional engineering funds to update the planning and to provide for more accurate estimate of cost.

Previously Appropriated	\$ 200,000
Actual Expenditures (4/30/84)	\$ <u>32</u>
Balance	\$ 199,968
Additional Appropriation Requested	\$ <u>50,000</u>

Project 83-52 Maple Plain Interceptor

Reason for Increase: The increase is needed to provide funds for the construction phase.

Previously Appropriated	\$ 100,000
Actual Expenditures (4/30/84)	\$ <u>6,319</u>
Balance	\$ 93,681
Additional Appropriation Requested	\$ <u>2,000,000</u>

Project 83-54 MWWTP Peak Power Demand Study

Reason for Increase: Increase was provided by budget amendment during 1984.

Previously Appropriated	\$ 35,000
Actual Expenditures (4/30/84)	\$ <u>9,729</u>
Balance	\$ 25,271
Additional Appropriation Requested	\$ <u>100,000</u>

Project 83-57 Metering and Lift Station Alarm System Improvements

Reason for Increase: The increase is needed to provide funds for the design phase.

Previously Appropriated	\$ 25,000
Actual Expenditures (4/30/84)	\$ <u>24,143</u>
Balance	\$ 857
Additional Appropriation Requested	\$ <u>225,000</u>

Project 83-61 Lino Lakes Secondary Interceptor Connection

Reason for Increase: The increase is needed to provide funds for the construction phase.

Previously Appropriated	\$ 50,000
Actual Expenditures (4/30/84)	\$ <u>-0-</u>
Balance	\$ 50,000
Additional Appropriation Requested	\$ <u>240,000</u>

Project 83-65 Miscellaneous Capital Improvements

Reason for Increase: Additional funds are needed to provide for planning, design and construction of additional miscellaneous projects.

Previously Appropriated	\$ 1,500,000
Actual Expenditures (4/30/84)	\$ <u>356,254</u>
Balance	\$ 1,143,746
Additional Appropriation Requested	\$ <u>402,420</u>

Project 84-51 New Brighton Interceptor

Reason for Increase: The increase is needed to provide funds for the construction phase.

Previously Appropriated	\$ 100,000
Actual Expenditures (4/30/84)	\$ <u>-0-</u>
Balance	\$ 100,000
Additional Appropriation Requested	\$ <u>400,000</u>

SUMMARY OF NEW PROJECTS - REQUEST FOR FUNDING

<u>Project</u>	<u>Project Name</u>	<u>Step</u>	<u>Estimated Costs</u>
85-51	Rosemount Plant Replacement	II	\$ 300,000.00
85-52	Seneca Sludge Handling Improvements	II	\$ 300,000.00
85-53	Metro Plant Water Supply Improvements	II	\$ 100,000.00
85-54	Blue Lake Plant Study for Advanced Secondary Treatment and Plant Expansion	I	\$ 100,000.00
85-55	Empire Plant Study for Revisions and Additions	I	\$ 100,000.00
85-56	Metro Plant Study for Plant Performance Evaluation Mississippi River Quality Assessment Residual Solids Management Plant Odor Assessment and Control Effluent Pumping Station Improvements F&I No. 1 Modifications	I	\$ 500,000.00
85-57	Seneca Plant Study for Advanced Secondary Treatment and Plant Expansion	I	\$ 100,000.00
85-58	Service Area 1 Study for Regulator System Improvements	I	\$ 100,000.00
85-59	Metering Station Improvements Study	I	\$ 50,000.00
85-60	Savage Improvements	II	\$ 350,000.00
85-61	Metro Laboratory Modifications	I, II, III	\$ 600,000.00
85-62	Metro Plant Ash Basin	I, II, III	\$ 500,000.00
85-63	Lakeville Lift Station	I, II, III	\$ 400,000.00
85-65	Miscellaneous Capital Improvements	I, II, III	\$1,000,000.00
	Total		<u>\$4,500,000.00</u>

Project 85-51 Rosemount Plant Replacement

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

Resources Required:

Step II - Detail Engineering	\$300,000
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Annual Expenditures:

During 1985	<u>\$300,000</u>
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Total	\$300,000
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Project 85-52 Seneca Sludge Handling Improvements

Description: Consists of a design for an additional belt press and a waste activated sludge thickening unit to handle the average solids loading. The existing units are available to handle the peak loads. Design may include improvements to the existing Diffused Air Floatation Thickener as necessary to provide for proper operation. Project includes building and all appurtenances.

Resources Required:

Step II - Detail Engineering	\$300,000
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Annual Expenditures:

During 1985	<u>\$300,000</u>
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Total	\$300,000
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Project 85-53 Metro Plant Water Supply Improvements

Description: Consists of a design for a new city watermain to supply the needs at the Metro Plant. The plant is currently served by a small city main which is not adequate for fire protection. The new line would be about 3 miles in length and be about 12 inches in diameter and run parallel to the existing water supply line.

Resources Required:

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

During 1985	<u>\$100,000</u>
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Total	\$100,000
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Project 85- 54 Blue Lake Plant Study - Plant Expansion

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

Resources Required:

Step I - Detail Planning	\$100,000
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Annual Expenditures:

During 1985	<u>\$100,000</u>
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Total	\$100,000
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Project 85-55 Empire Plant Study for Modifications

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

Resources Required:

Step I - Planning	\$100,000
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Annual Expenditures:

During 1985	<u>\$100,000</u>
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Total	\$100,000
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Project 85-56 Metro Plant Studies

Plant Performance Evaluation

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

Mississippi River Quality Assessment

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

Residual Solids Management

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

Plant Odor Assessment and Control

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

Effluent Pumping Station Improvements

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

F&I No. 1 Modifications

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

Resources Required:

Step I - Planning	\$500,000
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Annual Expenditures:

During 1985	<u>\$500,000</u>
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Total	\$500,000
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Project 85 -57 Seneca Plant Study - Plant Expansion

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

Resources Required:

Step I - Planning	\$100,000
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Annual Expenditures:

During 1985	<u>\$100,000</u>
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Total	\$100,000
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Project 85 -58 Service Area 1 Study for Regulator System Improvements

Description: Consists of a study to physically inspect all regulators. Document electrical, mechanical, structural, hydraulic, and safety deficiencies, such as explosion-proof electrical systems, adequate ventilation, lighting, access, and work space. Update available documentation (record drawings) as necessary. Conduct hydraulic analysis of regulators individually and as a system and develop appropriate operational tool for future use by Commission. Assess the condition and operational benefits versus costs of the fabridams and recommend whether fabridams should be maintained or replaced with fixed weirs.

Resources Required:

Step I - Planning	\$100,000
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Annual Expenditures:

During 1985	<u>\$100,000</u>
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Total	\$100,000
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Project 85-59 Meter Station Improvement Study

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

Resources Required:

Step I - Planning	\$ 50,000
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Annual Expenditures:

During 1985	\$ 50,000
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Total	\$ 50,000
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Project 85-60 Savage Improvements

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

Resources Required:

Step II - Detail Engineering	\$350,000
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Annual Expenditures:

During 1985	\$350,000
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Total	\$350,000
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Project 85-61 Metro Laboratory Modifications

Description: Consists of the remodeling of the Central Laboratory (Metropolitan Plant Laboratory) which will provide additional and improved facilities: 1) to accommodate increased laboratory activities; 2) to allow for an increase in efficiency of personnel and equipment by centralization; and 3) to better provide for the overall safety and general welfare of laboratory personnel. Generally, the trend in requests for laboratory work has been directed towards an increase in the numbers and types of more sophisticated analyses such as priority pollutants, algal growth potential, algal productivity, and trace metals. Because of the complexity of these types of tests, more analytical steps are required to complete the analyses. These additional analytical steps require additional bench and hood space. The modifications are consistent with the long range plans to assign all Quality Control Department personnel to the Metro Plant. A study assessing

the long term needs is being prepared based on prior information from the facility planning effort and will support the centralization of services at the Metro Plant.

Resources Required:

Steps I, II and III - Construction	\$600,000
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Annual Expenditures:

During 1985	<u>\$600,000</u>
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Total	\$600,000
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Project 85-62 Metro Plant Ash Basin

Description: Consists of interim ash management at the Metro Plant which is required until the long-term plan, a central ash landfill, is operational (now estimated as late 1987). It is necessary to handle about 150,000 cubic yards of ash until that time. There is sufficient existing capacity for 50,000 cubic yards. The proposed project consists of the construction of a 100,000 cubic yard capacity ash basin and associated lining and decant system. The basin will be located in the vicinity of the existing ash basins at the Metro Plant. A study was prepared which considers the fifth ash basin, additional fill on the former Pig's Eye landfill or hauling to other landfill areas. The additional ash basin is deemed to be the most cost-effective alternative.

Resources Required:

Steps I, II and III - Construction	\$500,000
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Annual Expenditures:

During 1985	<u>\$500,000</u>
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Total	\$500,000
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Project 85-63 Lakeville Lift Station

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

Resources Required:

Steps I, II and III - Construction	\$400,000
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Annual Expenditures:

During 1985	<u>\$400,000</u>
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Total	\$400,000
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Project 85-65 Miscellaneous Capital Improvements

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

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

Metro Plant Process Piping and Conveying Improvements - Consists of an effluent water line for Incinerators 5 and 6, effluent water line for roll presses and sludge piping modifications.	\$ 150,000
Metro Plant Building and Grounds - Consists of Maintenance Building locker and shower additions.	\$ <u>200,000</u>
SUBTOTAL:	\$ <u>1,000,000</u>

Reserve List Metro Plant Projects

Metro Plant Warehouse Expansion

Energy Conservation and Recovery Improvements

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

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

East Grit Dewatering improvements - Consists of modifications to obtain drier
grit for hauling.

Number 5 fuel oil tank - Provides for smaller tank for providing oil for scum
burning.

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

Lightning protection system - Provides lightning protection for buildings.

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

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

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

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

Interceptors

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

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

Inver Grove Heights Interceptor: Eliminate structural deficiencies by lining
several sections of 54-inch pipe.

North end of Middle Beltline Interceptor (1SP211 and 1SP214): Eliminate
structural deficiencies by in-place rehabilitation and replacement of
sections as needed.

West Seventh Street Interceptor (1SP250): Rehabilitate joints and damaged
sections.

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

Oak Street Regulator Rehabilitation: Eliminate structural and safety
deficiencies.

Rice and Ponds Regulator Rehabilitation: Replace impact cup at bottom of drop shaft.

Regulator Fabridam Replacement: Where appropriate, replace fabridam systems that have been destroyed by high storm flows (fixed weirs used now).

Orono Lift Station (L-43, 44, 45, 46, 49) Replacement: Provide additional capacity for this series of lift stations.

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

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

Brooklyn Park Lift Station and Forcemain: Increase pump capacity and modify forcemain at river crossing.

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

Point Douglas Road Lift Station Pump Modifications: Replace existing pumps with pumps that match flow and head conditions.

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

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

Additional Standby Generators: Purchase more intermediate size (50-150KW) portable standby generators so that larger (285KW) generators can remain at lift stations where needed.

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

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

Resources Required:

Step I, II, and III - Planning, Engineering and Construction	\$1,000,000
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Annual Expenditures:

During 1985	\$ 500,000
During 1986	\$ 500,000
Total	\$1,000,000

PROJECTION OF FUTURE RATES BASED ON 1984-1988 DEVELOPMENT PROGRAM

<u>Community</u>	<u>Cost Pool</u>	<u>Revised 1984</u>	<u>*1985</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>
Hastings	Treatment Works	67.65	72.31	77.20	80.97	85.10
% of Increase	(average increase 5.7)	5.06	6.89	6.76	4.88	5.10
Minneapolis	Treatment Works & SA #1	76.53	81.84	87.12	91.20	95.64
% of Increase	(average increase 5.6)	5.18	6.94	6.45	4.68	4.87
Coon Rapids	Treatment Works & SA #2	81.63	89.66	96.59	102.84	108.88
% of Increase	(average increase 7.4)	7.24	9.84	7.73	6.47	5.87
Anoka	Treatment Works & SA #3	94.97	104.25	111.69	116.94	122.92
% of Increase	(average increase 9.0)	18.52	9.77	7.14	4.70	5.11
Deephaven	Treatment Works & SA #4	93.37	100.60	106.88	111.67	117.11
% of Increase	(average increase 5.6)	4.72	7.74	6.24	4.48	4.87
Bloomington	Treatment Works & SA #5	79.92	84.73	89.84	93.72	98.09
% of Increase	(average increase 5.2)	5.14	6.02	6.03	4.32	4.66
Newport	Treatment Works & SA #6	75.40	80.56	85.90	89.95	94.48
% of Increase	(average increase 5.8)	5.91	6.84	6.62	4.73	5.04

Note: The 1984 Costs are revised based on current data. In some cases this is a decrease in cost, and in some cases an increase in costs. The comparison in 1984 is made to the 1983 Budget.

* The rates as proposed for 1985 as indicated on Page Two of the cover letter addressed to Mr. Frisch, and the members of the Commission, are less than those as forecasted above.

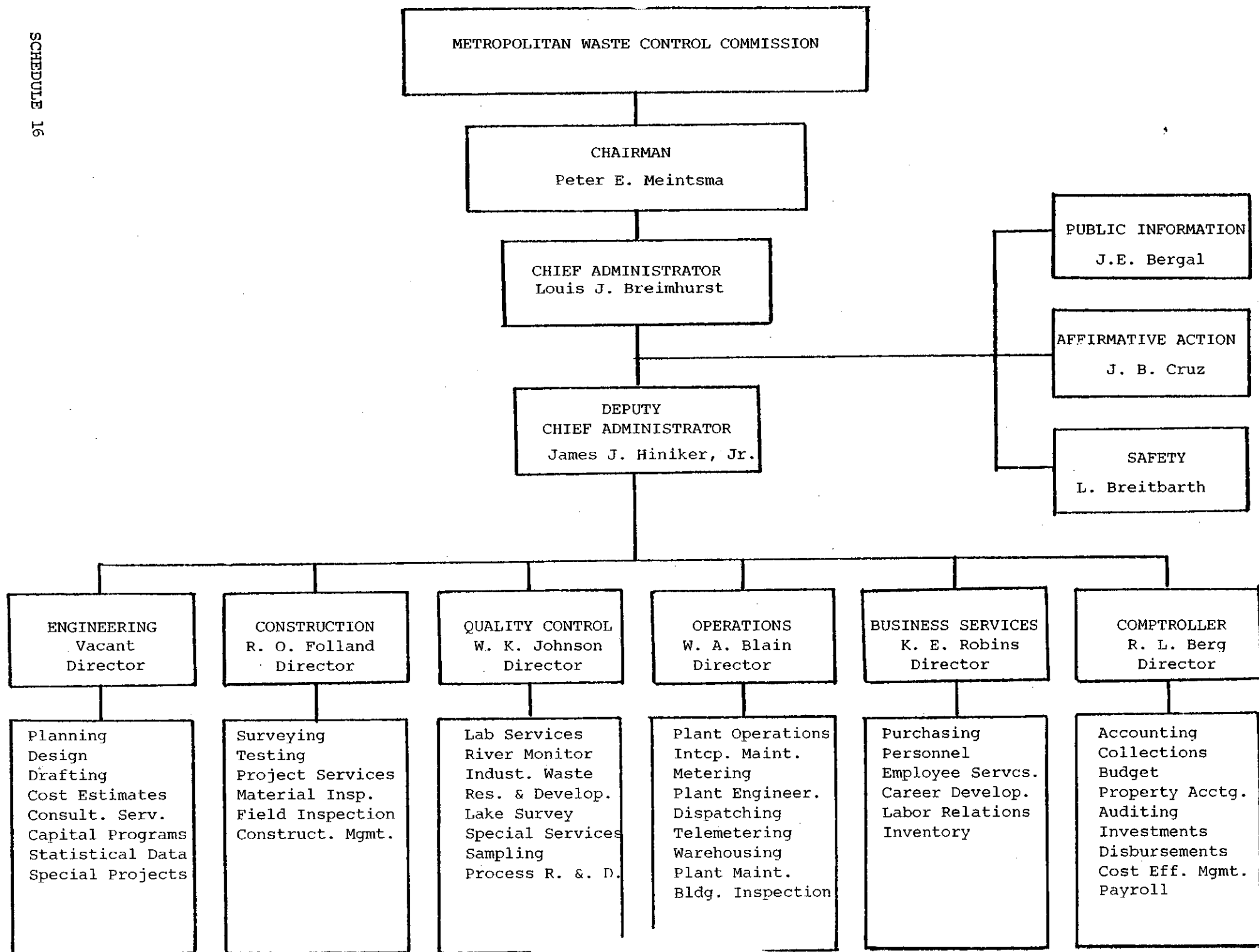
COST ALLOCATION FOR 1984-1988
(COMPARES TO 1983 BUDGET)
COST PER 100,000 GALLONS (HOUSEHOLD)

<u>Description</u>	<u>Revised 1984 Cost Allocation</u>	<u>1985 Cost Allocation</u>	<u>1986 Allocation</u>	<u>1987 Allocation</u>	<u>1988 Allocation</u>	<u>Average % Of Increase</u>
TREATMENT WORKS	\$ 67.65	72.31	77.20	80.97	85.10	
% of Increase	5.06	6.89	6.76	4.88	5.10	5.74
SA #1	8.88	9.53	9.92	10.23	10.54	
% of Increase	6.09	7.32	4.09	3.13	3.03	4.73
SA #2	13.98	17.35	19.39	21.87	23.78	
% of Increase	17.34	24.11	11.76	12.79	8.73	15.11
SA #3	27.32	31.94	34.49	35.97	37.82	
% of Increase	73.57	16.91	7.98	4.29	5.14	21.48
SA #4	25.72	28.29	29.68	30.70	32.01	
% of Increase	3.84	9.99	4.91	3.44	4.27	5.29
SA #5	12.27	12.42	12.64	12.75	12.99	
% of Increase	5.59	1.22	1.77	.87	1.88	2.27
SA #6	7.75	8.25	8.69	8.98	9.38	
% of Increase	13.97	6.45	5.33	3.33	4.45	6.71

* These rates for 1985, as forecasted in the 1984-1988 Development Program, are higher than the rates proposed for 1985 as indicated on Page 2 of the cover letter addressed to Mr. Frisch and members of the Commission.

Status of Authorized Personnel

<u>Department/Plant</u>	<u>Proposed 1985</u>	<u>Actual 1984</u>
Administration	24	23
Engineering	33	32
Quality Control	84	86
Construction		
Central Office	2	2
Field Office	47	52
Operations		
Central Office	15	15
Empire	27	27
Metro Plant	521	486
Seneca Plant	43	48
Blue Lake Plant	32	32
Anoka	3	3
Maple Plain	2	2
Savage	2	2
Cottage Grove	4	4
Chaska	4	4
Bayport	1	1
Stillwater	6	6
Rosemount	8	8
South St. Paul	2	12
Hastings	5	5
Interceptor	65	59
Business Services	14	14
Comptroller	<u>16</u>	<u>16</u>
TOTAL	<u>960</u>	<u>939</u>



TD 525 .T9 M4ax 1985
Metropolitan Waste Control
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Program budget

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