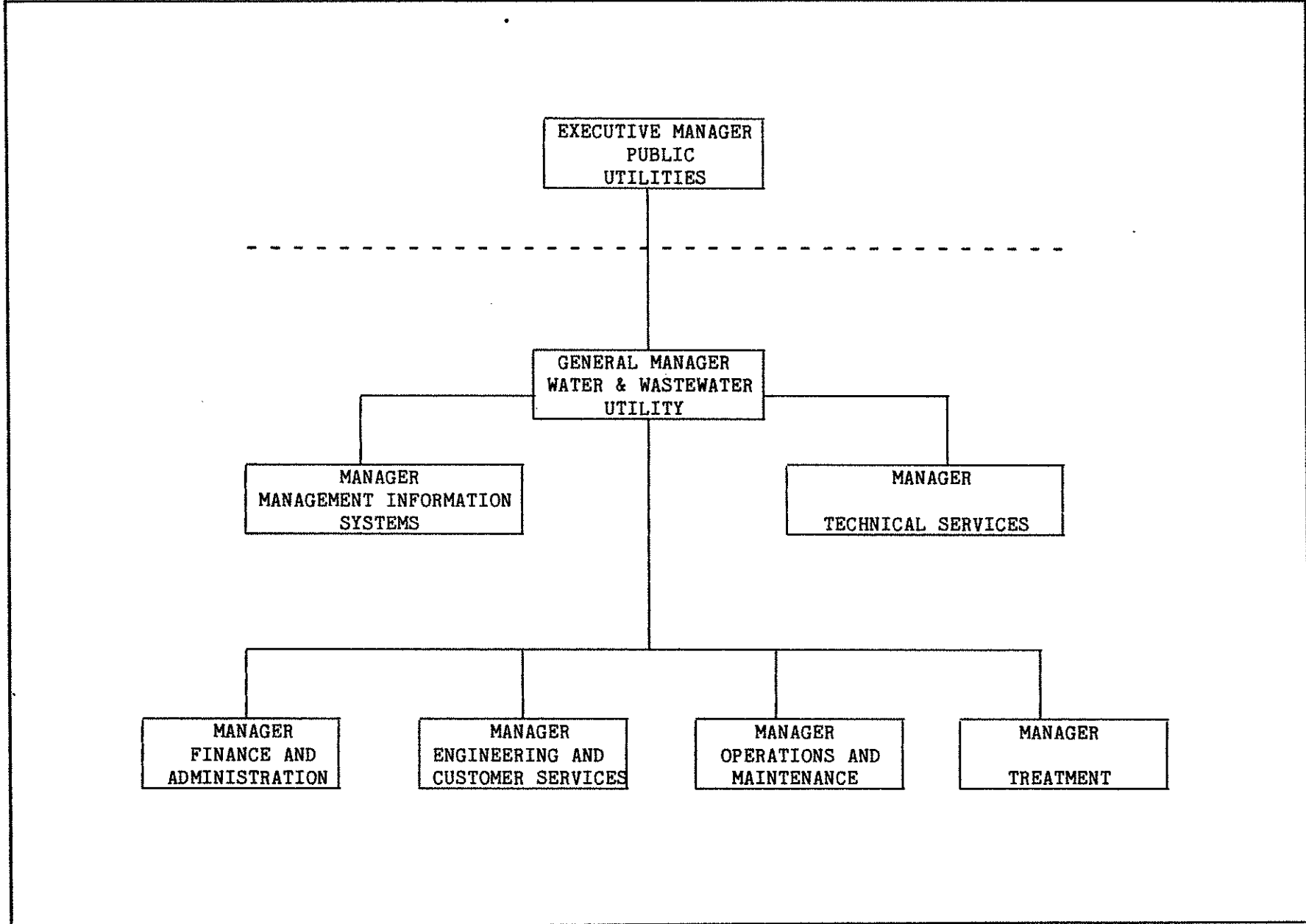


Public Utilities	Unit No 8700	Utility ANCHORAGE WATER & WASTEWATER UTILITY	Unit No 9300	Division	Unit No.
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## MUNICIPALITY OF ANCHORAGE

Public Utilities	Unit No. 8700	Utility ANCHORAGE WATER & WASTEWATER UTILITY	Unit No. 9300	Division	Unit No.
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MISSION

The Anchorage Water and Wastewater Utility is committed to providing quality water supply and wastewater disposal services to all Municipal residents, at a reasonable cost, consistent with: a demonstrated public need; community health and safety standards; regulatory requirements; and sound management practices.

MUNICIPALITY OF ANCHORAGE

Public Utilities	Unit No. 8700	Utility ANCHORAGE WATER & WASTEWATER UTILITY	Unit No. 9300	Division	Unit No.
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GOALS

1. The Utility is committed to the organization mission statement which is to provide its customers with economy and continuity of services and, in the case of water, that the service be of high quality, in quantities sufficient to meet the needs of an expanding service demand and with adequate wastewater support to sufficiently accommodate the disposal for that demand.
2. Community involvement in future planning will add credibility as well as demonstrate our responsiveness to outside participation.
3. To evolve into a recognized leadership role in the Municipality and with appropriate financial and data support, to continue in a pioneering role which is the natural evolution of sound planning for future customer needs.
4. That emphasis on employees and community relations will keep morale high, motivation up and customer courtesy at its highest level of satisfaction. Frequent newsletters, media releases and other types of public communication will keep customers and employees informed on issues which will then generate favorable responses to voter choices and necessary rate increases.
5. Executive and supervisory personnel should be knowledgeable of municipal and other regulations applying to the Utility, as well as maintaining an awareness of constantly changing knowledge occurring within the water and wastewater industry.
6. Maintain sound fiscal and financial controls which, when coordinated with customer growth, will meet demand without jeopardizing the stability of the Utility. It is believed that well developed policies and procedures, job descriptions and planning will play a key role in the viability of the organization.
7. Open communication and ease of access to all customer services will remain key factors in the Utility's future successes. Our adherence to established municipal employment guidelines will improve efficiency, reduce turnover of personnel and generate greater cooperation in accomplishing the mission of the Utility.

## MUNICIPALITY OF ANCHORAGE

Public Utilities	Unit No. 8700	Utility ANCHORAGE WATER & WASTEWATER UTILITY	Unit No. 9300	Division	Unit No.
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FACTORS DRIVING THE UTILITY

1. Expansion of water source/production capability necessary to meet future demands.
2. Expansion of sewage treatment capability necessary to meet current and future demands.
3. Rapid growth of community accelerates need for new/more facilities.
4. Must increase productivity within Utility.
5. Federal/State Regulatory Requirements.
6. A critical shortage of administrative/operational/vehicle space currently exists within the Utility.
7. The need for computerization, both management information systems and operational, is necessary.
8. Future funding of large capital program will be a problem.
9. Water rights will be a growing problem as water resource demands increase.
10. Funding for Improvement Districts, LID's & WID's will continue to be a problem.
11. Employee Training Programs will have to continue and grow.
12. Rehabilitation requirements on older parts of existing systems.
13. Accelerated State and Municipal road program.
14. Environmental constraints limit/restrict/delay construction of certain facilities.

MUNICIPALITY OF ANCHORAGE

Public Utilities	Unit No.	Utility	Unit No.	Division	Unit No.
	8700	ANCHORAGE WATER & WASTEWATER UTILITY	9300		

PLANNING ASSUMPTIONS

The following assumptions were used in developing the Utility's 1986-1991 long-range plans. They are not intended to be a fixed course of action. They are, however, the best data available at this stage of planning.

1. The Eklutna Water Project will be built.
2. The Point Woronzof Wastewater Treatment Plant will be expanded.
3. We will expand service to the outlying communities of the Municipality.
4. We may assume responsibility for billing and collection of customer accounts.
5. Community will continue to grow.
6. We will continue with APUC regulation.
7. We will continue to develop CPRMIS and other automated operational support systems.
8. Funding support from the State and Federal government will substantially decrease.
9. We will have to raise more money locally to fund Capital Improvements.
10. Water rights issues will be solved.
11. Our employees will be more productive with an increased level of training.
12. We will be allowed to increase the budget to meet customer requirements.
13. We will be allowed to look at options for a new headquarters facility.
14. In order to attract and retain competent and motivated personnel, salaries and benefits will be commensurate with those offered by private concerns and other government agencies.

## MUNICIPALITY OF ANCHORAGE

Public Utilities	Unit No. 8700	Utility ANCHORAGE WATER & WASTEWATER UTILITY	Unit No. 9300	Division	Unit No.
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OBJECTIVES/PROGRAMS

## General Manager

## 1. IMPROVE ORGANIZATIONAL COMMUNICATIONS

- ° Expand "Close Connections" newsletter.
- ° Refine existing system of follow-up.

## 2. DEVELOP AND IMPLEMENT IMPROVED WRITTEN PROCEDURES AND PROCESSES

- ° Identify and prioritize areas in need of improved or new procedures or processes.
- ° Develop and initiate plan for development and implementation of selected procedures or processes.
- ° Implement new or improved procedures or processes, including manpower and resource allocation and training.
- ° Review and update as required.

## 3. MAINTAIN AND UPHOLD HIGH STANDARDS OF PROFESSIONAL MANAGEMENT

- ° Develop and maintain Standards of Performance and clearly define the role of each Manager.
- ° Develop awareness and activities focused on maintaining "high morale."
- ° Expand program to provide recognition of exceptional employees.
- ° Develop and implement program to maintain "high performers" within the organization.
- ° Emphasize attendance at workshops and seminars.
- ° Encourage participation in stress-related training programs.
- ° Promote employee physical fitness.

MUNICIPALITY OF ANCHORAGE

Public Utilities	Unit No. 8700	Utility ANCHORAGE WATER & WASTEWATER UTILITY	Unit No. 9300	Division	Unit No.
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OBJECTIVES/PROGRAMS

General Manager (continued)

4. REVIEW, REVISE, AND UPDATE ANCHORAGE WATER AND WASTEWATER UTILITY'S TARIFFS AND APPLICABLE MUNICIPAL CODE PROVISIONS
  - Identify areas of concern and rewrite/update each Tariff and applicable Municipal Code provisions.
  - Process each through comprehensive review and revise as necessary.
  - Process through Administration and Assembly for approval.
  - File with Alaska Public Utilities Commission.
  
5. REVIEW, UPDATE, AND IMPLEMENT THE DATA PROCESSING WORK AND LONG-RANGE MASTER PLAN
  - Consolidate and prioritize divisional requirements.
  - Revise and update Data Processing Master Plan to reflect changed requirements and state-of-the-art.
  - Provide and/or obtain the resources necessary to implement the Data Processing Work and Long-Range Master Plan.
  - Perform project management of the projects described in the Data Processing Work and Long-Range Master Plan.
  
6. CONSTRUCT NEW HEADQUARTERS FACILITY
  - Construct new headquarters facility.
  - Relocate AWWU staff and equipment to new centralized headquarters facility.
  - Dispose of existing facilities as appropriate.

## MUNICIPALITY OF ANCHORAGE

Public Utilities	Unit No. 8700	Utility ANCHORAGE WATER & WASTEWATER UTILITY	Unit No. 9300	Division	Unit No.
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OBJECTIVES/PROGRAMS (continued)

## 7. AWWU TRAINING &amp; DEVELOPMENT PROGRAMS

- Initiate an annual employee and supervisor assessment program to keep annual programs on target.
- Develop policy and procedures related to tuition assistance programs.
- Expand Career Development within the organization.

OBJECTIVES/PROGRAMS

## Operations &amp; Maintenance

## 1. IMPROVE MANAGERIAL EFFICIENCY WITHIN THE O&amp;M DIVISION THROUGH THE DEVELOPMENT OF PROGRAM AND LINE ITEM BUDGETS

- Develop written program descriptions and justifications.
- Develop clear statement of program objectives.
- Develop clear definitions of program elements.
- Identify major tasks required to complete each program element.
- Establish repetitive frequency of identified tasks and evaluate data to establish acceptable time/task relationships.
- Calculate required manhours to complete each element of every program.
- Identify and document existing program service levels relative to program objectives.
- Develop program line item budget format.
- Develop a phase code accounting system to track and develop unit budgets program management effectiveness.



MUNICIPALITY OF ANCHORAGE

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OBJECTIVES/PROGRAMS

Operations & Maintenance (continued)

2. IMPROVE PRODUCTIVITY WITHIN THE O&M DIVISION THROUGH THE DEVELOPMENT OF WRITTEN STANDARD OPERATING PROCEDURES
  - ° Develop a task analysis of major repetitive jobs within each program.
  - ° Prepare statements identifying in sequential order each activity required to complete each identified task.
  - ° Develop a standard operating procedure training and reference manual for each work unit program.
  
3. IMPROVE SUPERVISORY PERFORMANCE THROUGH THE DEVELOPMENT OF WRITTEN STANDARDS OF PERFORMANCE FOR BASIC PROGRAMMED TASKS
  - ° Develop a task analysis of major repetitive jobs within each program.
  - ° Develop clear concise statements establishing levels of acceptability for each identified task or pertinent task element.
  - ° Develop a supervisory manual for consistent supervisory task evaluations.
  - ° Integrate, as appropriate, standard operating procedures, and standards of performance manual for each work unit.
  
4. DEVELOP AND IMPLEMENT A COMPREHENSIVE VEHICLE MANAGEMENT PROGRAM TO INCLUDE ALL AWWU DIVISIONS
  - ° Develop policy statement to authorize program.
  - ° Define each element of management program.
  - ° Develop procedure statements with regard to each program element.
  - ° Develop forms required for controlling program elements within the Utility.

## MUNICIPALITY OF ANCHORAGE

Public Utilities	Unit No. 8700	Utility ANCHORAGE WATER & WASTEWATER UTILITY	Unit No. 9300	Division	Unit No.
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OBJECTIVES/PROGRAMS

## Operations &amp; Maintenance (continued)

- Establish motor pool.
  - Develop a fleet capital maintenance program.
  - Develop interface procedures for coordinating program growth and personnel growth within the Utility.
  - Develop computer program to track depreciation schedules, maintenance schedules and documented vehicle use.
5. **IMPROVE PRODUCTIVITY AND EFFICIENCY THROUGH THE USE OF COMPUTER INFORMATION AND ACCOUNTING PROGRAMS**
- Complete computer data banks with regard to valve, meter and hydrant locations and history.
  - Develop quantifiable information identifying time/task efficiencies.
  - Develop and refine manpower projection techniques utilizing SMART program feedback.
6. **IMPROVE OPERATIONAL EFFICIENCIES THROUGH THE DEVELOPMENT OF A COMPREHENSIVE MAINTENANCE MANAGEMENT PROGRAM**
- Develop concise criteria statements with regard to plan, objectives, scope, cost effectiveness, etc.
  - Identify basic elements for consideration: equipment lists, facilities, etc.
  - Develop a contract with a professional consultant.
  - Develop AWWU staffing to cost effective levels identified by consultants and implement program schedule.

MUNICIPALITY OF ANCHORAGE

Public Utilities	Unit No 8700	Utility ANCHORAGE WATER & WASTEWATER UTILITY	Unit No 9300	Division	Unit No.
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**OBJECTIVES/PROGRAMS**

Treatment Division

1. CONTINUE TO DEVELOP AND IMPLEMENT THE EPA MANDATED PRETREATMENT PROGRAM
  - Develop and distribute questionnaires to industries.
  - Establish disclosure statements for inclusion with business license applications.
  - Establish industry inspection list for on-site tour.
  - Develop comprehensive industry filing and retrieval system.
  - Develop schedule and begin monitoring selected industries.
  - Develop and implement compliance and enforcement program.
  
2. COMPLETE THE INSTALLATION OF FLUORIDE FEED SYSTEMS IN ALL WELLS AND EXPAND THE SAMPLING AND TESTING PROGRAMS
  - Using priority list, continue to install fluoride feed systems in old CAU wells.
  - Develop sample site identification list to include acquired Eagle River Utilities.
  - Implement site sampling program.
  
3. INCREASE TREATMENT EFFICIENCIES THROUGH EXPANDED SAMPLING, TESTING PROGRAMS, AND CONTROL OF UNIT PROCESS COSTS
  - Continue analyzing waste received from outside sources such as septic waste dumpers.
  - Use polymer and dewatered solids analysis to optimize operating perimeters.
  - Utilize unit costs to select most efficient operation processes.

## MUNICIPALITY OF ANCHORAGE

Public Utilities	Unit No.	Utility	Unit No.	Division	Unit No.
	8700	ANCHORAGE WATER & WASTEWATER UTILITY	9300		

OBJECTIVES/PROGRAMS

Treatment Division (continued)

4. **IMPROVE QUALITY ASSURANCE PROGRAMS IN ORDER TO MAINTAIN HIGH QUALITY TEST RESULTS**
  - ° Develop and implement a comprehensive, documented quality control program for all Treatment Division Labs.
  - ° Maintain State certification of laboratories.
  - ° Develop computer program for tracking historic data.
  - ° Incorporate objective standards provided by EPA to validate techniques and capabilities.
  
5. **IMPROVE WATER PRODUCTION EFFICIENCY THROUGH IMPROVED POLYMER TREATMENT AND ESTABLISHMENT OF QUARTERLY PRODUCTION GOALS**
  - ° Upgrade and maintain chemical feed systems in treatment facilities.
  - ° Maintain specific operating perimeters for efficient operation.
  - ° Establish quarterly production goals.

MUNICIPALITY OF ANCHORAGE

Public Utilities	Unit No 8700	Utility ANCHORAGE WATER & WASTEWATER UTILITY	Unit No 9300	Division	Unit No
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OBJECTIVES/PROGRAMS

Finance & Administration

1. REORGANIZATION OF WAREHOUSE & PERSONNEL TO INCREASE LEVELS OF OPERATIONAL EFFICIENCY
  - ° Development and implementation of standard operating procedures for the Warehouse.
  - ° Implement an automated inventory control system to provide current and accurate status information on stock and pending orders.
  
2. IMPLEMENTATION OF A CENTRAL FILES SYSTEM AT THE UTILITY
  - ° Selection of hardware and software compatible with existing data processing to house and retrieve information.
  - ° Develop a policy and procedure manual for the utility on the use of this service.
  - ° Train and integrate central files personnel into the Support Services Section.
  
3. COMMUNITY RELATIONS PROGRAMS
  - ° Expand use of all levels of media to communicate the utility message.
  - ° Expand the use of in-house speaker services at public meetings.
  - ° Maximize the opportunity to educate the public about utility services during the annual Water Awareness Week.
  - ° Develop an expanded working relationship with the School District to educate students about water conservation and vocational opportunities in the utility field.

## MUNICIPALITY OF ANCHORAGE

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OBJECTIVES/PROGRAMS

Finance & Administration (continued)

4. FACILITATE FISCAL CONTROL/INSURE FINANCIAL INTEGRITY

- ° Develop and implement computer assisted financial/cost accounting and budgeting applications.
- ° Develop software programs to automate Revenue Requirement and Cost-of-Service Studies; develop operating revenue analysis program to trigger rate case filing before APUC.
- ° Comprehensive review and analysis of tariffs for complete tariff rewrite; promulgate necessary changes to Municipal Code.
- ° Expand water test metering program for residential consumers.
- ° Analyze and modify assessment policies, procedures, and pricing formulas.

5. DEVELOP AND IMPLEMENT ADDITIONAL ENHANCEMENTS TO CPRMIS SYSTEM

- ° Plant-in-Service schedules by service area.
- ° Enhance system to produce information necessary for rate making purposes.
- ° CPR System acceptable to accounting.
- ° 13 month average rate base schedules by category.

6. IMPROVE PRODUCTIVITY

- ° Establish written standards.
- ° Method to monitor performance.
- ° Monthly planning meetings.

MUNICIPALITY OF ANCHORAGE

Public Utilities	Unit No. 8700	Utility ANCHORAGE WATER & WASTEWATER UTILITY	Unit No. 9300	Division	Unit No.
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OBJECTIVES/PROGRAMS

Finance & Administration (continued)

7. IMPROVED BUDGET FORECASTING TECHNIQUES

- Computerize data information.
- Manhour utilization report.
- Involvement of all levels of management.

Engineering & Customer Service

1. IMPROVE PRODUCTIVITY WITHIN ENGINEERING & CUSTOMER SERVICE

- Update and/or develop job descriptions for all employees.
- Decrease the number of errors to be corrected prior to release of billing tapes to Municipal Data Processing.
- Decrease time expended by data input personnel by enhancing in-house programs and systems.
- Implement computer aided design and mapping system.
- Expand availability of computer terminals within Customer Service.
- Complete user friendly enhancements to WATSIM.
- Initiate sewer analysis model.

## MUNICIPALITY OF ANCHORAGE

Public Utilities	Unit No.	Utility	Unit No.	Division	Unit No.
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**OBJECTIVES/PROGRAMS**

Engineering & Customer Services (continued)

**2. IMPROVE PRIVATE DEVELOPMENT PROGRAM**

- ° Automate tracking of private development programs.
- ° Revise and publish "Private Development Check List" used by local engineering firms.
- ° Develop standardized "Certified Cost Statement" for use by local engineering firms.
- ° Consolidate private development programs.
- ° Develop standardized "oversizing reimbursement" procedure.

**3. ESTABLISH CUSTOMER SERVICE OFFICE IN EAGLE RIVER**

- ° Verify necessity, cost effectiveness and timing for establishment of a satellite customer service center for Eagle River.
- ° Determine location.
- ° Acquire approval for necessary resources.

**4. ENABLE AWU TO TAKE CUSTOMER APPLICATIONS FOR SERVICE**

- ° Determine criteria for service application to be taken at the Utility.
- ° Implementation of system for input of data into system.
- ° Implementation of training program for Customer Service personnel.



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OBJECTIVES/PROGRAMS

## Engineering &amp; Customer Services (continued)

## 5. INITIATION OF AWWU WATER SERVICE TO GIRDWOOD

- ° Study feasibility.
- ° Initiate preliminary master plan including study of potential water demand and sources.
- ° Initiate funding plan for implementation.

## 6. ESTABLISH IN-HOUSE BILLING, AND CREDIT AND COLLECTION FUNCTION

- ° Study feasibility and timing.
- ° Determine computer software needs.
- ° Acquire approval for necessary resources.

## MUNICIPALITY OF ANCHORAGE

Public Utilities	Unit No. 8700	Utility ANCHORAGE WATER & WASTEWATER UTILITY	Unit No. 9300	Division	Unit No.
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MANPOWER FORECAST

<u>DIVISIONS</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>
Manager	24	26	28	29	30	30	31
Engineering	59	62	64	65	65	68	68
Treatment	64	66	72	75	77	77	79
Operations	121	124	143	149	155	158	159
Finance	<u>31</u>	<u>37</u>	<u>33</u>	<u>34</u>	<u>34</u>	<u>35</u>	<u>36</u>
Total	299	315	340	352	361	368	373

MUNICIPALITY OF ANCHORAGE

Public Utilities	Unit No.	Utility	Unit No.	Division	Unit No.	
	8700	ANCHORAGE WATER UTILITY				
<u>RESOURCE IMPACTS</u>						
	<u>1986</u>	<u>1987</u>	<u>1988</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>
Growth Factors - Population	259,920	269,208	275,336	283,676	292,335	298,249
Bond Sales (000)	22,100	26,660	21,865	13,910	14,395	8,790
Grants Anticipated (000)	38,225	800	880	1,000	1,100	1,180
 <u>Personnel Increases</u>						
Program:						
Operations & Maintenance	3	19	6	6	3	1
Eklutna Water Project	-	-	1	2	-	-
Water Treatment Plant	2	3	-	-	-	1
Laboratory	-	-	1	-	-	-
Wastewater Treatment	-	3	1	-	-	1
Administrative & General	<u>11</u>	<u>5</u>	<u>3</u>	<u>1</u>	<u>4</u>	<u>2</u>
	16	30	12	9	7	5
Total Personnel	315	340	352	361	368	373
Possible Rate Increases (Year Requested)	22%		24%		18%	

## MUNICIPALITY OF ANCHORAGE

Public Utilities	Unit No.	Utility	Unit No.	Division	Unit No.
	8700	ANCHORAGE WATER & WASTEWATER UTILITY			
MUNICIPALITY OF ANCHORAGE FINANCIAL DATA					
LINE ITEM DESCRIPTION	1984 ACTUAL	1985 PRO-FORMA			
			1986 PROPOSED	1986 ADOPTED	
<u>MISCELLANEOUS STATISTICAL DATA</u>					
<u>Water Utility</u>					
Number of Customers	36,514	40,165	44,181	44,181	
Average Treatment Plant Production (GPD)	9,718,658	9,208,000	15,500,000	15,500,000	
Average Well Production (GPD)					
Original AWWU System	7,425,667	7,812,500	8,012,500	8,012,500	
Former CAU System	5,276,986	5,737,500	5,737,500	5,737,500	
Eagle River System	478,066	568,750	668,750	668,750	
Miles of Water Mains	593	625	653	653	
Number of Fire Hydrants	4,685	4,875	5,107	5,107	

MUNICIPALITY OF ANCHORAGE

Public Utilities	Unit No.	Utility	Unit No.	Division	Unit No.
		ANCHORAGE WATER UTILITY	8700		

1986 Budget Impacts

Operating

1. Private development construction completed in 1985 combined with our significantly increased capital construction program continues to push a requirement for increased personnel to operate, maintain, and inspect this additional plant.
2. Increased emphasis on the maintenance and repair of newly acquired Utilities in Eagle River and wells in the Anchorage Bowl will continue in 1986.

Capital

1. Construction of the Eklutna Water Project is projected to be AWWU's largest funding requirement during 1986 and is estimated to cost \$53.8 million. This phase will provide for construction of the Water Treatment Plant.
2. Expansion of the Ship Creek Water Treatment Plant will continue into 1986. This project will increase the plant's capacity from 10 MGD to 24 MGD which is vital for the short-term growth of Anchorage.
3. Continued extension of the South Anchorage 30-inch transmission main will take place during 1986. Phases III & IV will begin providing the major transmission main across the Seward Highway to connect the southeast portion of the system to the southwest portion.
4. Southwest Anchorage 30-inch design will start in 1986 with construction in 1987. This line will serve southwest Anchorage with 17 MGD of water. Phases III & IV of the Abbott 30-inch project must be constructed before the southwest 30-inch can be constructed.

## MUNICIPALITY OF ANCHORAGE

Public Utilities	Unit No.	Utility	Unit No.	Division	Unit No.
	8700	ANCHORAGE WATER UTILITY			
MUNICIPALITY OF ANCHORAGE FINANCIAL DATA					
LINE ITEM DESCRIPTION	1984 ACTUAL	1985 PRO-FORMA	1986		
			PROPOSED	ADOPTED	
<u>OPERATING BUDGET</u>					
Revenue	15,894,720	18,370,760	21,600,290	21,600,290	
Expense	15,638,780	21,286,130	25,156,630	25,156,630	
Net Income for Governmental Financial Reporting	255,940	(2,915,370)	(3,556,340)	(3,556,340)	
Adjustment for Regulatory Reporting	2,438,730	3,364,730	4,042,630	4,042,630	
Net Income (Regulatory)	2,694,670	449,360	486,290	486,290	
<u>Capital Budget</u>					
Project Category					
◦ Resource Development	69,180,000	69,140,000	55,200,000	55,200,000	
◦ Treatment	3,890,000	1,480,000	750,000	750,000	
◦ Distribution Reservoirs	375,000	900,000	2,655,000	2,655,000	
◦ Distribution	1,200,000	3,128,000	2,119,000	2,119,000	
◦ Transmission	5,665,000	10,240,000	8,463,000	8,463,000	
◦ Upgrade Transmission	1,490,000	5,827,000	950,000	950,000	
◦ Repair & Rehabilitation	1,640,000	1,570,000	4,060,000	4,060,000	
◦ New Equipment	2,120,000	3,580,000	3,122,000	3,122,000	
◦ Buildings	170,000	19,395,000	300,000	300,000	
Total	85,730,000	115,260,000	77,619,000	77,619,000	

Public Utilities	Unit No.	Utility	Unit No.	Division	Unit No.
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MUNICIPALITY OF ANCHORAGE FINANCIAL DATA					
LINE ITEM DESCRIPTION	1984		1985		
	ACTUAL	PRO-FORMA	1986 PROPOSED	1986 ADOPTED	
<b>STATEMENT OF REVENUE &amp; EXPENSE</b>					
<u>OPERATING REVENUE</u>					
4601 Residential Sales	7,520,450	9,248,330	11,105,600	11,105,600	
4602 Commercial Sales	3,866,330	3,735,020	4,502,670	4,502,670	
4603 Industrial Sales	139,260	25,970	31,360	31,360	
4630 Public Fire Protection	1,362,990	1,643,110	1,176,940	1,176,940	
4710 Miscellaneous Service Revenue	115,320	110,430	174,520	174,520	
Total Operating Revenue	13,004,350	14,762,860	16,991,090	16,991,090	
<u>OPERATING EXPENSE</u>					
6000 Source of Supply	1,280,470	1,504,900	1,740,490	1,740,490	
6400 Treatment	1,023,140	1,161,750	1,377,730	1,377,730	
6600 Transmission	2,811,600	3,320,200	3,886,060	3,886,060	
9000 Customer Accounts	1,102,070	1,246,310	1,435,140	1,435,140	
9200 Administrative & General	2,813,150	3,402,740	4,015,480	4,015,480	
4030 Depreciation	1,366,470	1,560,500	1,760,500	1,760,500	
4080 Service Assessment Taxes	492,830	840,000	1,115,300	1,115,300	
*Total Operating Expense	10,889,730	13,036,400	15,330,700	15,330,700	
Operating Income	2,114,620	1,726,460	1,660,390	1,660,390	
*Depreciation of Contributed plant not included					

## MUNICIPALITY OF ANCHORAGE

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Public Utilities	Unit No.	Utility	Unit No.	Division	Unit No.
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MUNICIPALITY OF ANCHORAGE FINANCIAL DATA					
LINE ITEM DESCRIPTION	1984 ACTUAL	1985 PRO-FORMA	1986 PROPOSED	1986 ADOPTED	
<b>STATEMENT OF REVENUE &amp; EXPENSE</b>					
<u>NON-OPERATING REVENUE</u>					
4180 Rental Income	277,560	280,000	282,000	282,000	
4190 Interest Revenue - Construction	1,719,800	1,958,650	2,725,440	2,725,440	
4191 Interest - Short-Term Investment	727,780	1,054,650	1,282,560	1,282,560	
4210 Miscellaneous Income	165,230	314,600	319,200	319,200	
Total Non-Operating Revenue	2,890,370	3,607,900	4,609,200	4,609,200	
<u>NON-OPERATING EXPENSE</u>					
4250 Loss on Refunding Issue	26,910	35,000	46,000	46,000	
4270 Interest - Long-Term Debt	2,139,200	4,750,000	5,667,300	5,667,300	
4300 Interest Expense - General Cash Pool	144,210	100,000	70,000	70,000	
Total Non-Operating Expense	2,310,320	4,885,000	5,783,300	5,783,300	
Non-Operating Income	580,050	(1,277,100)	(1,174,100)	(1,174,100)	
Net Income	2,694,670	449,360	486,290	486,290	
Net Income - Regulatory	2,694,670	449,360	486,290	486,290	
Less: 4031 - Depreciation of Contributed plant	2,438,730	3,364,730	4,042,630	4,042,630	
Net Income for Governmental Financial Reporting	255,940	(2,915,370)	(3,556,340)	(3,556,340)	



Public Utilities	Unit No.	Utility	Unit No.	Division	Unit No.
	8000	ANCHORAGE WATER UTILITY	8700		
MUNICIPALITY OF ANCHORAGE FINANCIAL DATA					
LINE ITEM DESCRIPTION	1984	1985	1986 PROPOSED	1986 ADOPTED	
	ACTUAL	PRO-FORMA			
<b>STATEMENT OF SOURCES AND USES OF CASH FUNDS</b>					
Net Income (Loss)	255,940	(2,915,370)	(3,556,340)	(3,556,340)	
Depreciation	3,805,200	4,925,230	5,803,130	5,803,130	
Bond Proceeds	6,015,292	20,000,000	18,900,000	18,900,000	
Grants	28,405,614	4,975,000	35,000,000	35,000,000	
Assessments	651,610	600,000	600,000	600,000	
Other	<u>2,714,967</u>	<u>4,000,000</u>	<u>3,000,000</u>	<u>3,000,000</u>	
Total Sources of Cash Funds	<u>\$ 41,848,623</u>	<u>\$ 31,584,860</u>	<u>\$ 59,746,790</u>	<u>\$59,746,790</u>	
<b>USES OF CASH FUNDS:</b>					
Additions to Plant	38,314,015	31,672,000	37,000,000	37,000,000	
Bond Principal Payment	1,210,632	600,000	1,600,000	1,600,000	
Other	<u>1,979,105</u>	<u>2,500,000</u>	<u>2,500,000</u>	<u>2,500,000</u>	
Total Uses of Cash Funds	<u>41,503,752</u>	<u>34,772,000</u>	<u>41,100,000</u>	<u>41,100,000</u>	
Net Increase (Decrease) in Cash Funds	<u>344,871</u>	<u>(3,187,140)</u>	<u>18,646,790</u>	<u>18,646,790</u>	
Cash Balance January 1,	<u>\$ 19,870,512</u>	<u>\$ 20,215,383</u>	<u>\$ 17,028,243</u>	<u>\$ 17,028,243</u>	
Cash Balance December 31,	<u>\$ 20,215,383</u>	<u>\$ 17,028,243</u>	<u>\$ 35,675,033</u>	<u>\$ 35,675,033</u>	
<b>DETAIL OF CASH BALANCE:</b>					
Equity in General Cash Pool	\$ 2,527,628	\$ 1,500,000	\$ 800,000	\$ 800,000	
Equity in Construction Cash Pool	14,725,783	10,528,243	28,175,033	28,175,033	
Revenue Bond Reserve Cash	2,961,972	5,000,000	6,700,000	6,700,000	
Total Cash Balance December 31,	<u>\$ 20,215,383</u>	<u>\$ 17,028,243</u>	<u>\$ 35,675,033</u>	<u>\$ 35,675,033</u>	

## MUNICIPALITY OF ANCHORAGE

PAGE

Public Utilities	Unit No.	Utility	Unit No.	Division	Unit No.
	8000	ANCHORAGE WATER UTILITY	8700		
MUNICIPALITY OF ANCHORAGE FINANCIAL DATA					
LINE ITEM DESCRIPTION	1984 ACTUAL	1985 PRO-FORMA	1986 PROPOSED	1986 ADOPTED	
<b>STATEMENT OF CHANGES IN FUND EQUITY</b>					
Balance January 1	\$ 67,451,890	\$116,317,290	\$141,001,920	\$141,001,920	
Net Income (Loss)	255,950	(2,915,370)	(3,556,340)	(3,556,340)	
Contributions Received	48,737,420	27,600,000	26,600,000	26,600,000	
Deduct Residual Transfers	<u>127,970</u>	<u>0</u>	<u>0</u>	<u>0</u>	
Balance December 31,	<u>\$116,317,290</u>	<u>\$141,001,920</u>	<u>\$164,045,580</u>	<u>\$164,045,580</u>	
Detail of Fund Equity:					
Retained Earnings	\$ 14,533,120	\$ 14,982,474	\$ 15,468,763	\$ 15,468,763	
Contributed Capital	<u>101,784,170</u>	<u>126,019,446</u>	<u>148,576,817</u>	<u>148,576,817</u>	
Total Fund Equity December 31,	<u>\$116,317,290</u>	<u>\$141,001,920</u>	<u>\$164,045,580</u>	<u>\$164,045,580</u>	

Public Utilities	Unit No.	Utility	Unit No.	Division	Unit No.
	8000	ANCHORAGE WATER UTILITY	8700		
MUNICIPALITY OF ANCHORAGE FINANCIAL DATA					
LINE ITEM DESCRIPTION	1984 ACTUAL	1985 PRO-FORMA	1986 PROPOSED	1986 ADOPTED	
<u>STATEMENT OF DEBT SERVICE COVERAGE</u>					
Income Available For Debt Service	7,515,900	8,334,860	9,745,390	9,745,390	
Debt Service Requirement	3,697,060	2,750,200	5,916,720	5,916,720	
Debt Coverage	2.03	3.03	1.65	1.65	

## MUNICIPALITY OF ANCHORAGE

PAGE

Public Utilities	Unit No.	Utility	Unit No.	Division	Unit No.
	8000	ANCHORAGE WATER UTILITY	8700		
MUNICIPALITY OF ANCHORAGE FINANCIAL DATA					
LINE ITEM DESCRIPTION	1984	1985	1986 PROPOSED	1986 ADOPTED	
	ACTUAL	PRO-FORMA			
<u>NET PROFIT MARGIN</u>					
Net Income Governmental Reporting	255,940	(2,915,370)	(3,556,340)	(3,556,340)	
Operating Revenues	13,004,350	14,762,860	16,991,090	16,991,090	
Net Profit Margin Governmental Reporting	1.97%	(19.7)%	(20.9)%	(20.9)%	
Net Income Regulatory	2,694,670	449,360	486,290	486,290	
Operating Revenues	13,004,350	14,762,860	16,991,090	16,991,090	
Net Profit Margin Regulatory	20.7%	3.0%	2.9%	2.9%	

Public Utilities	Unit No.	Utility	Unit No.	Division	Unit No.
		ANCHORAGE WATER UTILITY	8700		

## 1986 CAPITAL IMPROVEMENT BUDGET FINANCIAL SUMMARY

<u>PROJECT TITLE</u>	<u>TOTAL PROJECT COST 1986</u>	<u>REVENUE BONDS</u>	<u>G.O. BONDS</u>	<u>OPERATIONS</u>	<u>STATE GRANTS</u>	<u>FEDERAL GRANTS</u>
Resource Development	55,200	1,400	18,800	0	35,000	0
Treatment	750	750	0	0	0	0
Distribution Reservoir	2,655	2,655	0	0	0	0
Transmission	8,463	8,463	0	0	0	0
Distribution	2,119	1,399	0	0	720	0
Upgrade Transmission	950	950	0	0	0	0
Repair/Rehabilitation	4,060	1,555	0	0	2,505	0
New Equipment	3,122	1,925	0	1,197	0	0
<u>Buildings</u>	<u>300</u>	<u>300</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total (000)	77,619	19,397	18,800	1,197	38,225	0

## MUNICIPALITY OF ANCHORAGE

Public Utilities	Unit No.	Utility	Unit No.	Division	Unit No.							
		ANCHORAGE WATER UTILITY	8700									
CIB/CIP 1986 - 1991												
<u>PROJECT TITLE</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>	<u>REVENUE BONDS</u>	<u>G.O. BONDS</u>	<u>OPERA- TIONS</u>	<u>STATE GRANTS</u>	<u>FEDERAL GRANTS</u>	<u>TOTAL</u>
Resource Development	55,200	1,220	1,090	20	0	0	3,730	18,800	0	35,000	0	57,530
Treatment	750	550	550	550	550	550	2,000			1,500		3,500
Distribution Reservoir	2,655	10,750	7,900	5,100	4,300	300	31,005					31,005
Transmission	8,463	7,440	6,515	4,055	5,205	3,700	35,378					35,378
Distribution	2,119	1,750	1,950	2,250	2,500	2,700	9,089			4,180		13,269
Upgrade Transmission	950	1,160	1,545	50	50	0	3,755					3,755
Repair/Rehabilitation	4,060	1,740	1,855	1,830	1,870	1,900	10,750			2,505		13,255
New Equipment	3,122	3,615	2,125	1,885	1,870	1,680	8,710		5,587			14,297
<u>Buildings</u>	<u>300</u>	<u>75</u>	<u>75</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>600</u>					<u>600</u>
Total Program	77,619	28,300	23,605	15,790	16,395	10,880	105,017	18,800	5,587	43,185	0	172,589
<u>SOURCE OF FUNDING</u>												
Revenue Bonds	19,397	26,660	21,865	13,910	14,395	8,790	105,017					105,017
G.O. Bonds	18,800	0	0	0	0	0		18,800				18,800
Operational	1,197	840	860	880	900	910			5,587			5,587
State Grant	38,225	800	880	1,000	1,100	1,180				43,185		43,185
Federal Grant	0	0	0	0	0	0					0	0
Total Funding	77,619	28,300	23,605	15,790	16,395	10,880						172,589

MUNICIPALITY OF ANCHORAGE

Public Utilities	Unit No	Utility	Unit No.	Division	Unit No.		
		ANCHORAGE WASTEWATER UTILITY	9300				
<u>RESOURCE IMPACTS</u>							
		<u>1986</u>	<u>1987</u>	<u>1988</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>
Growth Factors - Population		259,920	269,208	275,336	283,676	292,335	298,249
Bond Sales (000)		15,000	30,244	24,037	6,370	6,355	7,480
Grants Anticipated (000)		11,731	6,386	8,418	1,950	2,360	2,615
 <u>Personnel Increases</u>							
Program:							
Operations & Maintenance		3	19	6	6	3	1
Eklutna Water Project		-	-	1	2	-	-
Water Treatment Plant		2	3	-	-	-	1
Laboratory		-	-	1	-	-	-
Wastewater Treatment		-	3	1	-	-	1
Administrative & General		<u>11</u>	<u>5</u>	<u>3</u>	<u>1</u>	<u>4</u>	<u>2</u>
		16	30	12	9	7	5
Total Personnel		315	340	352	361	368	373
Possible Rate Increases (Year Requested)			28%		20%		11%

## MUNICIPALITY OF ANCHORAGE

Public Utilities	Unit No.	Utility	Unit No.	Division	Unit No.
	8700	ANCHORAGE WATER & WASTEWATER UTILITY			
MUNICIPALITY OF ANCHORAGE FINANCIAL DATA					
LINE ITEM DESCRIPTION	1984 ACTUAL	1985 PRO-FORMA	1986 PROPOSED		1986 ADOPTED
<u>MISCELLANEOUS STATISTICAL DATA</u>					
Number of Customers	40,684	43,531	46,579		46,579
Average Treatment (GPD)					
Anchorage Plant	30,600,000	31,500,000	32,100,000		32,100,000
Eagle River Plant	625,000	687,000	756,000		756,000
Girdwood Plant	203,000	223,300	245,630		245,630
Miles of Wastewater Lines					
Interceptors	29	30	31		31
Trunks	147	149	152		152
Laterals	428	458	475		475



MUNICIPALITY OF ANCHORAGE

Public Utilities	Unit No.	Utility	Unit No.	Division	Unit No.
		ANCHORAGE WASTEWATER UTILITY	9300		

1986 Budget Impacts

Operating

1. Private development construction completed in 1985 combined with our significantly increased capital construction program continues to push a requirement for increased personnel to operate, maintain, and inspect this additional plant.
2. Development and implementation of the EPA mandated Industrial Pretreatment Program along with meeting additional monitoring requirements of the Pt. Woronzof 301(h) waiver will continue through 1986.

Capital

1. Expansion of the Point Woronzof Treatment Plant will continue during 1986 with site work, construction of clarifiers No. 4 & 5, grit removal facilities, and incineration processes. The non-processing and thickener building will be bid in 1986. This project will increase capacity from 22 MGD to in excess of 58 MGD.
2. The design phase of the Eagle River Treatment Plant expansion will begin in 1986. This \$12 million project will satisfy the wastewater treatment requirements of the Eagle River, Chugiak, and Eklutna communities through the year 2005.
3. The Chester Creek Force Main Project includes construction of approximately 7,350 feet of 42-inch force main between the existing Chester Creek Pump Station and the intersection of Northern Lights Blvd. and Turnagain St.

## MUNICIPALITY OF ANCHORAGE

Public Utilities	Unit No.	Utility	Unit No.	Division	Unit No.
	8000	ANCHORAGE WASTEWATER UTILITY	9300		
MUNICIPALITY OF ANCHORAGE FINANCIAL DATA					
LINE ITEM DESCRIPTION	1984 ACTUAL	1985 PRO-FORMA			
			1986 PROPOSED	1986 ADOPTED	
<u>OPERATING BUDGET</u>					
Revenue	19,583,270	21,602,670	25,271,490	25,271,490	
Expense	20,771,150	23,530,020	28,872,710	28,872,710	
Net Income for Governmental Financial Reporting	(1,187,880)	(1,927,350)	(3,601,220)	(3,601,220)	
Adjustment for Regulatory Reporting	2,805,480	3,378,880	4,192,530	4,192,530	
Net Income (Regulatory)	1,617,600	1,451,530	591,310	591,310	
<u>Capital Budget</u>					
Project Category					
◦ Treatment	23,325,000	14,135,000	7,560,000	7,560,000	
◦ Pump Stations/Force Mains	3,000,000	430,000	1,090,000	1,090,000	
◦ Trunks & Interceptors	2,250,000	4,060,000	3,220,000	3,220,000	
◦ Laterals	2,000,000	6,783,000	11,553,000	11,553,000	
◦ Repair & Rehabilitation	2,320,000	3,230,000	1,938,000	1,938,000	
◦ New Equipment	1,980,000	3,595,000	2,589,000	2,589,000	
◦ Buildings	8,100,000	11,330,000	70,000	70,000	
Total	42,975,000	43,563,000	28,020,000	28,020,000	

Public Utilities	Unit No. 8000	Utility ANCHORAGE WASTEWATER UTILITY	Unit No. 9300	Division	Unit No.
MUNICIPALITY OF ANCHORAGE FINANCIAL DATA					
LINE ITEM DESCRIPTION	1984 ACTUAL	1985 PRO-FORMA	1986 PROPOSED	1986 ADOPTED	
	<b>STATEMENT OF REVENUE &amp; EXPENSE</b>				
<u>OPERATING REVENUE</u>					
4400 Residential Sales	11,710,290	12,406,330	14,335,520	14,335,520	
4420 Commercial Sales	3,395,280	3,674,850	4,246,430	4,246,430	
4451 Public Authorization	309,590	381,040	1,044,240	1,044,240	
4540 Miscellaneous Service	44,170	70,000	75,000	75,000	
Total Operating Revenue	15,459,330	16,532,220	19,701,190	19,701,190	
<u>OPERATING EXPENSE</u>					
7000 Collection System	1,465,840	1,813,540	2,022,000	2,022,000	
7400 Treatment Plant	4,508,020	4,805,570	5,331,370	5,331,370	
7800 Customer Accounts	1,437,340	1,527,610	1,666,920	1,666,920	
9200 Administrative & General	3,480,170	4,070,280	4,637,710	4,637,710	
4030 Depreciation	2,130,440	2,364,140	2,647,840	2,647,840	
4080 Service Assessment Taxes	0	0	1,359,000	1,359,000	
*Total Operating Expense	13,021,810	14,581,140	17,664,840	17,664,840	
Operating Income	2,437,520	1,951,080	2,036,350	2,036,350	
*Depreciation of Contributed plant not included					

## MUNICIPALITY OF ANCHORAGE

Public Utilities	Unit No.	Utility	Unit No.	Division	Unit No.
	8000	ANCHORAGE WASTEWATER UTILITY	9300		
MUNICIPALITY OF ANCHORAGE FINANCIAL DATA					
LINE ITEM DESCRIPTION	1984 ACTUAL	1985 PRO-FORMA	1986 PROPOSED	1986 ADOPTED	
<b>STATEMENT OF REVENUE &amp; EXPENSE</b>					
<b><u>NON-OPERATING REVENUE</u></b>					
4080 Interest on Assessments	301,230	300,000	325,000	325,000	
4190 Interest - Short Term Investment	908,600	900,000	800,000	800,000	
4210 Miscellaneous	89,350	80,000	60,000	60,000	
4290 Amortization of Premium on Debt	159,710	158,600	153,300	153,300	
4190 Interest - Construction	<u>2,665,050</u>	<u>3,631,850</u>	<u>4,232,000</u>	<u>4,232,000</u>	
Total Non-Operating Revenue	4,123,940	5,070,450	5,570,300	5,570,300	
<b><u>NON-OPERATING EXPENSE</u></b>					
4270 Interest - Bonds	4,827,900	5,440,000	6,885,340	6,885,340	
4271 Interest - Other	33,070	50,000	50,000	50,000	
4310 Amortization - Debt Expense	<u>82,890</u>	<u>80,000</u>	<u>80,000</u>	<u>80,000</u>	
Total Non-Operating Expense	4,943,860	5,570,000	7,015,340	7,015,340	
Non-Operating Income	(819,920)	(499,550)	(1,445,040)	(1,445,040)	
Net Income	1,617,600	1,451,530	591,310	591,310	
Net Income Regulatory	1,617,600	1,451,530	591,310	591,310	
Less: 4031 - Depreciation of Contributed plant	2,805,480	3,378,880	4,192,530	4,192,530	
Net Income For Governmental Financial Reporting	(1,187,880)	(1,927,350)	(3,601,220)	(3,601,220)	

Public Utilities	Unit No.	Utility	Unit No.	Division	Unit No.
	8000	ANCHORAGE WASTEWATER UTILITY	9300		
MUNICIPALITY OF ANCHORAGE FINANCIAL DATA					
LINE ITEM DESCRIPTION	1984	1985			
	ACTUAL	PRO-FORMA	1986 PROPOSED	1986 ADOPTED	
<b>STATEMENT OF SOURCES AND USES OF CASH FUNDS</b>					
<b>SOURCES OF CASH FUNDS:</b>					
Net Income (Loss)	\$ (1,187,880)	\$ (1,927,350)	\$ (3,601,220)	\$ (3,601,220)	
Depreciation	4,935,920	5,743,020	6,840,370	6,840,370	
Bond Proceeds	15,000,000	15,000,000	15,000,000	15,000,000	
Grants	20,654,944	685,600	10,000,000	10,000,000	
Assessments	1,875,506	1,700,000	1,600,000	1,600,000	
Other					
<b>Total Sources of Cash Funds</b>	<b>\$ 41,278,490</b>	<b>\$ 21,201,270</b>	<b>\$ 29,839,150</b>	<b>\$ 29,839,150</b>	
<b>USES OF CASH FUNDS:</b>					
Additions to Plant	19,010,130	20,000,000	22,500,000	22,500,000	
Bond Principal Payment	2,615,500	3,500,000	4,500,000	4,500,000	
Other					
<b>Total Uses of Cash Funds</b>	<b>21,625,630</b>	<b>23,500,000</b>	<b>27,000,000</b>	<b>27,000,000</b>	
<b>Net Increase (Decrease) in Cash Funds</b>	<b>19,652,860</b>	<b>(2,298,730)</b>	<b>2,839,150</b>	<b>2,839,150</b>	
Cash Balance January 1,	20,433,538	40,086,398	37,787,668	37,787,668	
Cash Balance December 31,	<u>\$ 40,086,398</u>	<u>\$ 37,787,668</u>	<u>\$ 40,626,818</u>	<u>\$ 40,626,818</u>	
<b>DETAIL OF CASH BALANCE:</b>					
Equity in General Cash Pool	\$ 8,256,950	\$ 8,500,000	\$ 8,347,718	\$ 8,347,718	
Equity in Construction Cash Pool	31,829,448	29,287,668	32,279,100	32,279,100	
Revenue Bond Reserve Cash					
<b>Total Cash Balance December 31,</b>	<b>\$ 40,086,398</b>	<b>\$ 37,787,668</b>	<b>\$ 40,626,818</b>	<b>\$ 40,626,818</b>	

MUNICIPALITY OF ANCHORAGE		PAGE			
Public Utilities	Unit No.	Utility	Unit No.	Division	Unit No.
	8000	ANCHORAGE WASTEWATER UTILITY	9300		
MUNICIPALITY OF ANCHORAGE FINANCIAL DATA					
LINE ITEM DESCRIPTION	1984	1985	1986 PROPOSED	1986 ADOPTED	
	ACTUAL	PRO-FORMA			
<b>STATEMENT OF CHANGES IN FUND EQUITY</b>					
Balance January 1,	\$106,063,190	\$131,412,760	\$152,485,410	\$152,485,410	
Net Income (Loss)	(1,187,880)	(1,927,350)	(3,601,220)	(3,601,220)	
Contributions Received	26,537,450	23,000,000	15,000,000	15,000,000	
Deduct Residual Transfers	0	0	0	0	
Balance December 31,	<u>\$131,412,760</u>	<u>\$152,485,410</u>	<u>\$163,884,190</u>	<u>\$163,884,190</u>	
Detail of Fund Equity:					
Retained Earnings	2,741,260	3,599,285	4,190,591	4,190,591	
Contributed Capital	<u>128,671,500</u>	<u>148,886,125</u>	<u>159,693,599</u>	<u>159,693,599</u>	
Total Fund Equity December 31,	<u>\$131,412,760</u>	<u>\$152,485,410</u>	<u>\$163,884,190</u>	<u>\$163,884,190</u>	

Public Utilities	Unit No.	Utility	Unit No.	Division	Unit No.
	8000	ANCHORAGE WASTEWATER UTILITY	9300		
MUNICIPALITY OF ANCHORAGE FINANCIAL DATA					
LINE ITEM DESCRIPTION	1984 ACTUAL	1985 PRO-FORMA	1986 PROPOSED	1986 ADOPTED	
<u>STATEMENT OF DEBT SERVICE COVERAGE</u>					
Income Available For Debt Service	10,567,410	11,085,670	13,213,490	13,213,490	
Debt Service Requirement	7,795,100	9,563,630	11,026,170	11,026,170	
Debt Coverage	1.36	1.16	1.20	1.20	

## MUNICIPALITY OF ANCHORAGE

PAGE

Public Utilities	Unit No.	Utility	Unit No.	Division	Unit No.
	8000	ANCHORAGE WASTEWATER UTILITY	9300		
MUNICIPALITY OF ANCHORAGE FINANCIAL DATA					
LINE ITEM DESCRIPTION	1984 ACTUAL	1985 PRO-FORMA	1986		
			PROPOSED	ADOPTED	
<u>NET PROFIT MARGIN</u>					
Net Income Governmental Reporting	(1,187,880)	(1,927,350)	(3,601,220)	(3,601,220)	
Operating Revenues	15,459,330	16,532,220	19,701,190	19,701,190	
Net Profit Margin Governmental Reporting	(7.7)%	(11.7)%	(18.3)%	(18.3)%	
Net Income Regulatory	1,617,600	1,451,530	591,310	591,310	
Operating Revenues	15,459,330	16,532,220	19,701,190	19,701,190	
Net Profit Margin Regulatory	10.5%	8.8%	3.0%	3.0%	



MUNICIPALITY OF ANCHORAGE

Public Utilities	Unit No 9300	Utility ANCHORAGE WASTEWATER UTILITY	Unit No.	Division	Unit No.
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1986 CAPITAL IMPROVEMENT BUDGET FINANCIAL SUMMARY

<u>PROJECT TITLE</u>	<u>TOTAL PROJECT COST 1986</u>	<u>REVENUE BONDS</u>	<u>G.O. BONDS</u>	<u>OPERATIONS</u>	<u>STATE GRANTS</u>	<u>FEDERAL GRANTS</u>
Treatment	7,560	0	3,015	0	0	4,545
Pump Stations & Force Mains	1,090	0	1,090	0	0	0
Trunks & Interceptors	3,220	0	1,720	0	1,500	0
Laterals	11,553	0	6,752	0	4,801	0
Repair/Rehabilitation	1,938	0	1,053	0	885	0
New Equipment	2,589	0	1,300	1,289	0	0
<u>Buildings</u>	<u>70</u>	<u>0</u>	<u>70</u>	<u>0</u>	<u>0</u>	<u>0</u>
Sub Total (000)	28,020	0	15,000	1,289	7,186	4,545
Water Quality	<u>2,600</u>	<u>0</u>	<u>2,600</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total	30,620	0	17,600	1,289	7,186	4,545

## MUNICIPALITY OF ANCHORAGE

Public Utilities	Unit No.	Utility	Unit No.	Division	Unit No.							
	9300	ANCHORAGE WASTEWATER UTILITY										
CIB/CIP 1986 - 1991												
<u>PROJECT TITLE</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>	<u>REVENUE BONDS</u>	<u>G.O. BONDS</u>	<u>OPERATIONS</u>	<u>STATE GRANTS</u>	<u>FEDERAL GRANTS</u>	<u>TOTAL</u>
Treatment	7,560	18,500	365	110	500	190	12,000	6,868	0	0	8,357	27,225
Pump Stations/F.M.	1,090	5,510	6,655	0	75	300	10,000	1,595	0	2,035	0	13,630
Trunks & Interceptors	3,220	6,015	5,370	2,000	2,550	4,000	0	21,290	0	1,865	0	23,155
Laterals	11,553	3,600	3,800	4,000	3,500	3,500	0	18,662	0	11,291	0	29,953
Repair & Rehabilitation	1,938	1,940	15,495	1,680	1,645	1,815	5,750	8,851	0	4,025	5,887	24,513
New Equipment	2,589	1,620	1,500	1,275	1,225	1,020	0	4,140	5,089	0	0	9,229
Buildings	70	165	10	15	0	70	0	330	0	0	0	330
Total Program	28,020	37,350	33,195	9,080	9,495	10,895	27,750	61,736	5,089	19,216	14,244	128,035
<u>SOURCE OF FUNDING</u>												
Revenue Bonds	0	17,000	10,750	0	0	0	27,750					27,750
G.O. Bonds	15,000	13,244	13,287	6,370	6,355	7,480		61,736				61,736
Operational	1,289	720	740	760	780	800			5,089			5,089
State Grant	7,186	1,985	3,120	1,950	2,360	2,615				19,216		19,216
Federal Grant	4,545	4,401	5,298	0	0	0					14,244	14,244
Total Funding	28,020	37,350	33,195	9,080	9,495	10,895						128,035
Water Quality	2,600	0	0	0	0	0	0	2,600	0	0	0	130,635

\*Indicates Water Quality Improvement Related