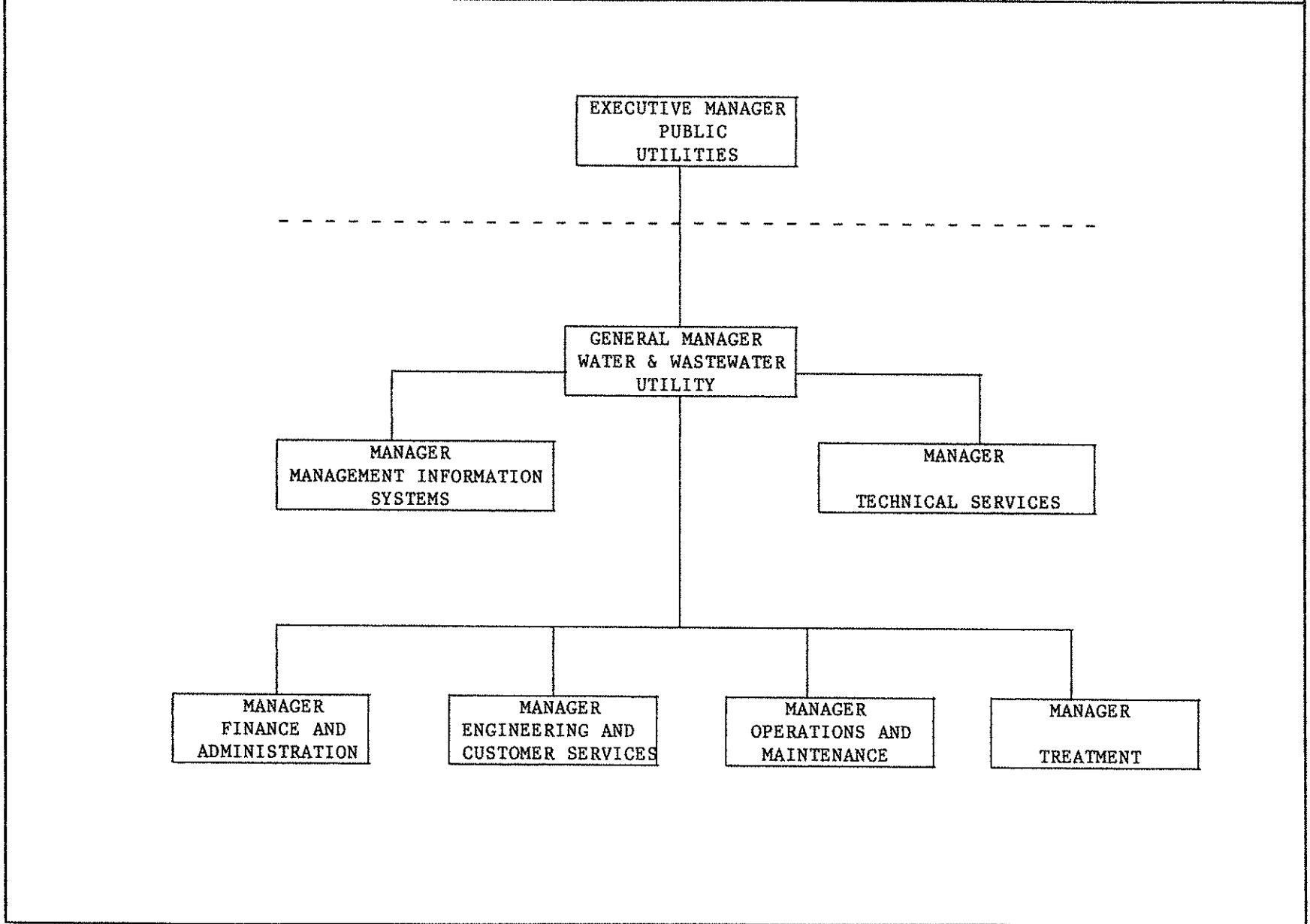


MUNICIPALITY OF ANCHORAGE

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 Ekultna 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 & 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 & Maintenance

1. IMPROVE MANAGERIAL EFFICIENCY WITHIN THE O&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

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

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

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)

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.
	8700	ANCHORAGE WATER & WASTEWATER UTILITY	9300		

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 AWWU 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.

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

Engineering & 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 8700	Utility ANCHORAGE WATER & WASTEWATER UTILITY	Unit No 9300	Division	Unit No
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NEW PERSONNEL POSITIONS - 1986

<u>DIVISION</u>	<u>POSITION</u>	<u>GRADE</u>
General Manager	Senior Office Assistant	8
Management Information Systems (MIS)	Eng/Scientific Prog/Analyst	15
Operations & Maintenance	Journeyman Mechanic	21J
	Instrument Systems Technician	22J
	Instrument Systems Technician	22J
Treatment	Water TP Shift Foreman	24J
	Water TP Operator I	18J
Finance & Administration	Junior Accountant	12
Engineering & Customer Service	Engineering Technician I/III	14
	Engineering Technician I/III	14
	Customer Service Representative I/II	10

11 New Positions

NOTE: Special assessments function transferred to AWWU from General Government Finance Department effective January 1, 1986. Five positions not included above.

MUNICIPALITY OF ANCHORAGE

Public Utilities	Unit No.	Utility	ANCHORAGE	Unit No.	Division	Unit No.
	8700	WATER & WASTEWATER UTILITY		9300		
PERSONNEL RESOURCES		RANGE & STEP	1985 PRO-FORMA	1986 PROPOSED	1986 ADOPTED	
<u>GENERAL MANAGER</u>						
General Manager		E-3	1	1		
Sr. Administrative Officer		15N	2	2		
Principal Office Associate		12N	1	1		
Jr. Administrative Officer		12N	1	1		
Sr. Office Assistant		8A	0	1*		
			5	6		
<u>MANAGEMENT INFORMATION SYSTEMS</u>						
Manager		E-1	1	1		
System Analyst Supervisor		17N	1	1		
System Analyst		16N	2	2		
Program Analyst		15N	5	5		
Programmer Trainer/Programmer		12/14N	2	2		
Senior Office Associate		10A	1	1		
Programmer Analyst		15N	0	1*		
			12	13		
<u>TECHNICAL SERVICES</u>						
Manager		E-1	1	1		
Water/Wastewater Management Assistant		16N	3	3		
Senior Administrative Officer		15A	1	1		
Junior Administrative Officer		12A	1	1		
Senior Office Associate		10A	1	1		
			7	7		
<u>OPERATIONS & MAINTENANCE</u>						
Manager		E-2	1	1		
Junior Administrative Officer		12A	1	1		
Senior Office Associate		10A	1	1		
Senior Office Assistant		8A	1	1		
			4	4		

MUNICIPALITY OF ANCHORAGE

Public Utilities	Unit No	Utility	ANCHORAGE	Unit No	Division	Unit No
	8700	WATER & WASTEWATER UTILITY		9300		
PERSONNEL RESOURCES		RANGE & STEP	1985 PRO-FORMA	1986 PROPOSED	1986 ADOPTED	
<u>FIELD OPERATIONS</u>						
Manager		E-1	1	1		
General Foreman		16N	2	2		
Maintenance Foreman		24-JCC	2	2		
Field Service Foreman		24-JCC	1	1		
Utility Inspector		22-JCC	1	1		
Journeyman Utilityman		21-JCC	6	6		
Field Service Journeyman		21-JCC	6	6		
Meter Installer Repairman		21-JCC	2	2		
Field Serviceman I		18-JCC	3	3		
Meter Reader		16-JCC	3	3		
Junior Administrative Officer		12A	1	1		
Senior Office Assistant		8A	1	1		
			29	29		
<u>SYSTEMS MAINTENANCE</u>						
Manager		E-1	1	1		
General Foreman		16N	2	2		
Maintenance Foreman		24-JCC	6	6		
Journeyman Utilityman		21-JCC	27	27		
Utilityman III		20-JCC	7	7		
Utilityman II		15-JCC	4	4		
Utilityman I		13-JCC	5	5		
Heavy Equipment Operator Journeyman		21-JCC	2	2		
			54	54		
<u>SUPPORT MAINTENANCE</u>						
Manager		E-1	1	1		
General Foreman		16N	3	3		

MUNICIPALITY OF ANCHORAGE

Public Utilities	Unit No.	Utility	ANCHORAGE	Unit No.	Division	Unit No.
	8700	WATER & WASTEWATER UTILITY		9300		
PERSONNEL RESOURCES		RANGE & STEP	1985 PRO-FORMA	1986 PROPOSED	1986 ADOPTED	
<u>SUPPORT MAINTENANCE (continued)</u>						
Mechanic Foreman		24-JCC	1	1		
Maintenance Foreman		24-JCC	3	3		
Mechanic/Machinist/Welder		22-JCC	1	1		
Instrument/Systems Technician		22-JCC	7	9*		
Mechanic Leadman		22-JCC	3	3		
Mechanic		21-JCC	5	6*		
Journeyman Craftsman		21-JCC	3	3		
Utilityman III		20-JCC	1	1		
Utilityman II		15-JCC	4	4		
Maintenance Man I		10-JCC	2	2		
			34	37		
<u>TREATMENT</u>						
Manager		E-2	1	1		
Junior Administrative Officer		12A	1	1		
Senior Office Associate		10A	1	1		
			3	3		
<u>PRODUCTION & TREATMENT</u>						
Manager		E-1	1	1		
Senior Office Assistant/Office Associate		9A	1	1		
			2	2		
<u>WATER TREATMENT</u>						
Superintendent		17N	17N	1		
General Foreman		16N	1	1		

MUNICIPALITY OF ANCHORAGE

Public Utilities	Unit No.	Utility	ANCHORAGE	Unit No.	Division	Unit No.
	8700	WATER & WASTEWATER UTILITY		9300		
PERSONNEL RESOURCES		RANGE & STEP	1985 PRO-FORMA	1986 PROPOSED	1986 ADOPTED	
<u>WATER TREATMENT (continued)</u>						
Shift Foreman		24-JCC	0	1*		
Maintenance Foreman		24-JCC	1	1		
Senior Treatment Plant Operator		22-JCC	6	6		
Operator II		21-JCC	2	2		
Operator I		18-JCC	1	2*		
Maintenance Foreman		24-JCC	1	1		
Mechanic Leadman		22-JCC	1	1		
Mechanic		21-JCC	1	1		
Operator II		21-JCC	2	2		
Utilityman III		20-JCC	2	2		
Utilityman I (T)		13-JCC	2	2		
			21	23		
<u>WASTEWATER TREATMENT ANCHORAGE</u>						
General Foreman		16N	1	1		
Shift Foreman		24-JCC	3	3		
Senior Treatment Plant Operator		22-JCC	5	5		
Operator II		21-JCC	6	6		
Operator I		18-JCC	4	4		
			19	19		
<u>WASTEWATER TREATMENT - EAGLE RIVER</u>						
General Foreman		16N	1	1		
Shift Foreman		24-JCC	1	1		
Senior Treatment Plant Operator		22-JCC	1	1		
Operator II		21-JCC	3	3		
			6	6		

MUNICIPALITY OF ANCHORAGE

Public Utilities	Unit No.	Utility	ANCHORAGE	Unit No.	Division	Unit No.
	8700	WATER & WASTEWATER UTILITY		9300		
PERSONNEL RESOURCES		RANGE & STEP	1985 PRO-FORMA	1986 PROPOSED	1986 ADOPTED	
<u>WASTEWATER TREATMENT - GIRWOOD</u>						
General Foreman		16N	1	1		
Senior Treatment Plant Operator		22-JCC	2	2		
Operator II		21-JCC	1	1		
			4	4		
<u>LABORATORY</u>						
Manager		E-1	1	1		
Laboratory Analyst Supervisor		14N	1	1		
Laboratory Analyst I/III		12A	2	2		
Water Quality Technician I/II		11A	4	4		
Senior Office Assistant/Office Associate F/S		9A	1	1		
			9	9		
<u>FINANCE & ADMINISTRATION</u>						
Manager		E-2	1	1		
Senior Office Associate		10A	1	1		
			2	2		
<u>FINANCE</u>						
Manager		E-1	1	1		
Utility Management Assistant		17N	1	1		
Regulatory Affairs Officer		17N	1	1		
Principal Administrative Officer		16N	2	2		
Senior Administrative Officer		15A	2	2		
Accountant/Senior Accountant F/S		14A	1	1		
Junior Accountant		12A	3	4*		

MUNICIPALITY OF ANCHORAGE

Public Utilities	Unit No	Utility	ANCHORAGE	Unit No.	Division	Unit No.
	8700	WATER & WASTEWATER UTILITY		9300		
PERSONNEL RESOURCES		RANGE & STEP	1985 PRO-FORMA	1986 PROPOSED	1986 ADOPTED	
<u>FINANCE (continued)</u>						
Senior Office Associate		10N	1	1		
Office Associate		9A	1	1		
Utility Cost Analyst		16N	1	1		
Grant Accountant		14A	1	1		
Senior Office Assistant		8A	1	1		
Special Assessments Supervisor		13N	0	1**		
Accounting Clerk III		10N	0	1**		
Accounting Clerk II		9N	0	3**		
			16	22		
<u>ADMINISTRATION</u>						
Manager		E-1	1	1		
Principal Administrative Officer		16N	1	1		
Principal Office Associate		12N	1	1		
Office Associate		9A	2	2		
Senior Office Assistant		8A	2	2		
General Foreman		16N	1	1		
Expediter		22-JCC	2	2		
Warehouseman		21-JCC	2	2		
Assistant Parts Warehouseman		14-JCC	1	1		
			13	13		
<u>ENGINEERING & CUSTOMER SERVICE</u>						
Manager		E-2	1	1		
Project Manager		E-1	1	1		
Engineering Technician IV		16N	1	1		
Engineering Technician I/III		14A	1	1		
Administrative Officer		14A	1	1		
Senior Office Associate		10A	1	1		
			6	6		

MUNICIPALITY OF ANCHORAGE

Public Utilities	Unit No.	Utility	ANCHORAGE	Unit No.	Division	Unit No.
	8700	WATER & WASTEWATER UTILITY		9300		
PERSONNEL RESOURCES		RANGE & STEP	1985 PRO-FORMA	1986 PROPOSED	1986 ADOPTED	
<u>ENGINEERING</u>						
Manager		E-1	1	1		
Office Associate		9A	1	1		
Planning Supervisor		17F	1	1		
Civil Engineer I/II		16F	1	1		
Engineering Technician IV		16F	2	2		
Engineering Technician I/III		12A	2	3*		
Civil Engineer III		17N	1	1		
Civil Engineer I/II		16A	5	5		
Engineering Technician IV		16A	1	1		
Engineering Technician I/III		14A	4	4		
Engineering Technician I/III		12A	4	4		
Civil Engineer III		17N	1	1		
Civil Engineer I/II		16A	1	1		
Engineering Technician IV		16A	1	1		
Engineering Technician I/III		14A	1	1		
Engineering Technician I/III		12A	1	1		
			28	29		
<u>CUSTOMER SERVICE</u>						
Manager		E-1	1	1		
Office Associate		9A	1	1		
Principal Administrative Officer		16N	1	1		
Engineering Technician IV		16A	2	2		
Engineering Technician I/III		14A	2	3*		
Engineering Technician I/III		12A	7	7		
Principal Customer Service Representative		13A	1	1		
Customer Service Representative III		11A	2	2		
Customer Service Representative I/II		10A	8	9*		
			25	27		
Total			<u>299</u>	<u>315</u>		
*New Positions						
**Transfer of Special Assessment Function						

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	1986 ADOPTED	
<u>OPERATING BUDGET</u>					
Revenue	15,894,720	18,370,760	21,600,290		
Expense	15,638,780	21,286,130	25,156,630		
Net Income for Governmental Financial Reporting	255,940	(2,915,370)	(3,556,340)		
Adjustment for Regulatory Reporting	2,438,730	3,364,730	4,042,630		
Net Income (Regulatory)	2,694,670	449,360	486,290		
<u>Capital Budget</u>					
Project Category					
◦ Resource Development	69,180,000	69,140,000	55,200,000		
◦ Treatment	3,890,000	1,480,000	750,000		
◦ Distribution Reservoirs	375,000	900,000	2,655,000		
◦ Distribution	1,200,000	3,128,000	2,119,000		
◦ Transmission	5,665,000	10,240,000	7,963,000		
◦ Upgrade Transmission	1,490,000	5,827,000	950,000		
◦ Repair & Rehabilitation	1,640,000	1,570,000	4,060,000		
◦ New Equipment	2,120,000	3,580,000	3,122,000		
◦ Buildings	170,000	19,395,000	300,000		
Total	85,730,000	115,260,000	77,119,000		

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	
STATEMENT OF REVENUE & EXPENSE					
<u>OPERATING REVENUE</u>					
4601 Residential Sales	7,520,450	9,248,330	11,105,600		
4602 Commercial Sales	3,866,330	3,735,020	4,502,670		
4603 Industrial Sales	139,260	25,970	31,360		
4630 Public Fire Protection	1,362,990	1,643,110	1,176,940		
4710 Miscellaneous Service Revenue	115,320	110,430	174,520		
Total Operating Revenue	13,004,350	14,762,860	16,991,090		
<u>OPERATING EXPENSE</u>					
6000 Source of Supply	1,280,470	1,504,900	1,740,490		
6400 Treatment	1,023,140	1,161,750	1,377,730		
6600 Transmission	2,811,600	3,320,200	3,886,060		
9000 Customer Accounts	1,102,070	1,246,310	1,435,140		
9200 Administrative & General	2,813,150	3,402,740	4,015,480		
4030 Depreciation	1,366,470	1,560,500	1,760,500		
4080 Service Assessment Taxes	492,830	840,000	1,115,300		
*Total Operating Expense	10,889,730	13,036,400	15,330,700		
Operating Income	2,114,620	1,726,460	1,660,390		
*Depreciation of Contributed plant not included					

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	1986 ADOPTED	
STATEMENT OF REVENUE & EXPENSE					
<u>NON-OPERATING REVENUE</u>					
4180 Rental Income	277,560	280,000	282,000		
4190 Interest Revenue - Construction	1,719,800	1,958,650	2,725,440		
4191 Interest - Short-Term Investment	727,780	1,054,650	1,282,560		
4210 Miscellaneous Income	165,230	314,600	319,200		
Total Non-Operating Revenue	2,890,370	3,607,900	4,609,200		
<u>NON-OPERATING EXPENSE</u>					
4250 Loss on Refunding Issue	26,910	35,000	46,000		
4270 Interest - Long-Term Debt	2,139,200	4,750,000	5,667,300		
4300 Interest Expense - General Cash Pool	144,210	100,000	70,000		
Total Non-Operating Expense	2,310,320	4,885,000	5,783,300		
Non-Operating Income	580,050	(1,277,100)	(1,174,100)		
Net Income	2,694,670	449,360	486,290		
Net Income - Regulatory	2,694,670	449,360	486,290		
Less: 4031 - Depreciation of Contributed plant	2,438,730	3,364,730	4,042,630		
Net Income for Governmental Financial Reporting	255,940	(2,915,370)	(3,556,340)		

MUNICIPALITY OF ANCHORAGE

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

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	1986 ADOPTED	
STATEMENT OF CHANGES IN FUND EQUITY					
Balance January 1	\$ 67,451,890	\$116,317,290	\$141,001,920		
Net Income (Loss)	255,950	(2,915,370)	(3,556,340)		
Contributions Received	48,737,420	27,600,000	26,600,000		
Deduct Residual Transfers	<u>127,970</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>		
Detail of Fund Equity:					
Retained Earnings	\$ 14,533,120	\$ 14,982,474	\$ 15,468,763		
Contributed Capital	<u>101,784,170</u>	<u>126,019,446</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>		

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	1986 ADOPTED	
<u>STATEMENT OF DEBT SERVICE COVERAGE</u>					
Income Available For Debt Service	7,515,900	8,334,860	9,745,390		
Debt Service Requirement	3,697,060	2,750,200	5,916,720		
Debt Coverage	2.03	3.03	1.65		

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	1986 ADOPTED	
<u>NET PROFIT MARGIN</u>					
Net Income Governmental Reporting	255,940	(2,915,370)	(3,556,340)		
Operating Revenues	13,004,350	14,762,860	16,991,090		
Net Profit Margin Governmental Reporting	1.97%	(19.7)%	(20.9)%		
Net Income Regulatory	2,694,670	449,360	486,290		
Operating Revenues	13,004,350	14,762,860	16,991,090		
Net Profit Margin Regulatory	20.7%	3.0%	2.9%		

MUNICIPALITY OF ANCHORAGE

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	7,963	7,963	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)	77,119	18,897	18,800	1,197	38,225	0

MUNICIPALITY OF ANCHORAGE

BUDGET YEAR PROJECTS

Utility Water

(000)

PROJECT CATEGORY	PROJECT TITLE	LOCATION	FUNDING			
			BONDS G-G O BONDS R-REV BONDS	OPERATIONS	GRANTS F-FEDERAL S-STATE	TOTAL
Resource Development	Production Well #15 Pump & House	Campbell-Taku	R 1,000			1,000
	Test Wells	Areawide	R 200			200
	Eklutna Water Project	Areawide	G 18,800		S 35,000	53,800
	Well House-Turnagain View East	Hillside	R 200			200
PREPARED BY <u>R.C. Bishope</u> DATE <u>05-15-85</u>			18,800G 1,400R		F 35,000S	TOTAL 55,200

MUNICIPALITY OF ANCHORAGE

BUDGET YEAR PROJECTS

Utility Water

(000)

PROJECT CATEGORY	PROJECT TITLE	LOCATION	FUNDING			
			BONDS G-G O BONDS R-REV BONDS	OPERATIONS	GRANTS F-FEDERAL S-STATE	TOTAL
Treatment	Miscellaneous Well Upgrades	Areawide	R 750			750
PREPARED BY <u>R.C. Bishope</u> DATE <u>05-15-85</u> TOTAL			750		F S	750

MUNICIPALITY OF ANCHORAGE

BUDGET YEAR PROJECTS

Utility Water

(000)

PROJECT CATEGORY	PROJECT TITLE	LOCATION	FUNDING			
			BONDS G-G O BONDS R-REV BONDS	OPERATIONS	GRANTS F-FEDERAL S-STATE	TOTAL
Distribution Reservoirs	Small Distribution Reservoirs	Areawide	R 500			500
	Distribution Reservoir Site Acquisition	Hillside	R 480			480
	Distribution Reservoir Site Acquisition	Eagle River, Chugiak	R 450			450
	Drain from the two 5MG Tanks #1 & #2	Muldoon	R 200			200
	Distribution Reservoir Turnagain View/Doc Hines	Hillside	R 150			150
	Service Hanshew	Hillside	R 575			575
	5 MG Reservoir	Eagle River, Chugiak	R 300			300
PREPARED BY <u>R.C. Bishop</u> DATE <u>05-15-85</u>			G 2,655R		F S	2,655

MUNICIPALITY OF ANCHORAGE

BUDGET YEAR PROJECTS

Utility Water

(000)

PROJECT CATEGORY	PROJECT TITLE	LOCATION	FUNDING			
			BONDS G-G.O BONDS R-REV BONDS	OPERATIONS	GRANTS F-FEDERAL S-STATE	TOTAL
Transmission	Private Development Oversizing	Areawide	R 180			180
	Eagle River Transmission System Interties	Eagle River, Chugiak	R 300			300
	New Pressure Reducing Valves & Vaults	Areawide	R 225			225
	Abbott Phase III	Abbott Loop	R 1,585			1,585
	Abbott Phase IV	Abbott Loop, Campbell Lake/Klatt, Hillside	R 2,966			2,966
	Abbott Transmission Main P. V & VI	Oceanview/Hillside	R 500			500
	Raspberry Road 12"	Sand Lake	R 100			100
	Southwest Anchorage 30-inch	Sand Lake-Campbell Lake/Klatt	R 200			200
	Southwest 30" Phase II Victor-Jewel Lake	Sand Lake	R 1,325			1,325
	16-Inch Service Hanshew	Abbott Loop/Hillside	R 400			400
Turnagain View East 16"	Hillside	R 75			75	
PREPARED BY <u>R.C. Bishop</u> DATE <u>05-15-85</u> TOTAL			G 7,856 ^R		F S	7,856

MUNICIPALITY OF ANCHORAGE

CARRYOVER CAPITAL PROJECTS

Utility Water

(000)

PROJECT CATEGORY	PROJECT TITLE	LOCATION	BUDGET AMOUNT	REVISION AMOUNT	REVISED BUDGET
Transmission	Chugach Way (340R Previously appropriated)	Spenard		R 107	R 107
Source of Funding			G.O. BONDS	_____	_____
			REVENUE BONDS	_____	_____
			OPERATIONS	_____	_____
			STATE GRANTS	_____	_____
			FEDERAL GRANTS	_____	_____
			TOTAL	_____	_____
PREPARED BY <u>R.C. Bishop</u> DATE <u>05-15-85</u>				107	107

MUNICIPALITY OF ANCHORAGE

BUDGET YEAR PROJECTS

Utility Water

(000)

PROJECT CATEGORY	PROJECT TITLE	LOCATION	FUNDING			
			BONDS G-G O BONDS R-REV BONDS	OPERATIONS	GRANTS F-FEDERAL S-STATE	TOTAL
Distribution	Anticipated Water Improvement Districts (WID's)	Areawide	R 630		S 420	1,050
	MOA Capital Projects/ Lake Otis Improvements	Abbott Loop			S 300	300
	Service Connects	Areawide	R 500			500
	Turnagain W.I.D. 307	Turnagain	R 151			151
	Daniel W.I.D.	Abbott Loop	R 118			118
PREPARED BY <u>R.C. Bishop</u> DATE <u>05-15-85</u> TOTAL			1,399 ^G _R		720 ^F _S	2,119

MUNICIPALITY OF ANCHORAGE

BUDGET YEAR PROJECTS

Utility Water

(000)

PROJECT CATEGORY	PROJECT TITLE	LOCATION	FUNDING			
			BONDS G-G.O BONDS R-REV BONDS	OPERATIONS	GRANTS F-FEDERAL S-STATE	TOTAL
Upgrade Transmission	Sunny Slopes Phase II	Eagle River, Chugiak	R 750			750
	Eagle River Hydrants	Eagle River, Chugiak	R 50			50
	North Point Drive	Campbell Lake/Klatt	R 150			150
PREPARED BY <u>R.C. Bishope</u> DATE <u>05-15-85</u> TOTAL			G 950 R		F S	950

MUNICIPALITY OF ANCHORAGE

BUDGET YEAR PROJECTS

Utility Water

(000)

PROJECT CATEGORY	PROJECT TITLE	LOCATION	FUNDING			
			BONDS G-G.O. BONDS R-REV BONDS	OPERATIONS	GRANTS F-FEDERAL S-STATE	TOTAL
Repair & Rehabilitation	State DOTPF Highway Related Projects	Areawide	R 300			300
	Boniface/State DOT Related Project	Muldoon			S 1,700	1,700
	Municipality of Anch. Road Related Projects	Areawide	R 500			500
	Woodstave Line Replacement	Areawide	R 335			335
	R&R Emergency	Areawide	R 300			300
	MOA Capital Projects/ 36th Avenue Improvements	Spenard			S 80	80
	West 15th Avenue "U" to "S" Street	Inlet View	R 100			100
	15th St. between I & L Streets	Inlet View	R 20			20
	MOA Capital Projects/ Spenard Road	Spenard/Turnagain			S 725	725
PREPARED BY <u>R.C. Bishop</u> DATE <u>05-15-85</u> TOTAL			1,555 ^G R		2,505 ^F S	4,060

BUDGET YEAR PROJECTS

Utility Water

(000)

PROJECT CATEGORY	PROJECT TITLE	LOCATION	FUNDING			
			BONDS G-G.O BONDS R-REV.BONDS	OPERATIONS	GRANTS F-FEDERAL S-STATE	TOTAL
New Equipment	Phase III Telemetry PRV & Booster Stations	Areawide	R 500			500
	Vehicles	Areawide		236		236
	Loader	Areawide		80		80
	Boiler Trucks (3)	Areawide		180		180
	Dump Truck	Areawide		60		60
	Vehicle Hoist	Areawide		13		13
	Water Meters	Areawide	R 250			250
	Remote Meter Reading Study	Areawide	R 75			75
	Forklift (dual wheeled 5,000 lbs.)	Areawide		28		28
	Misc. Equipment	Areawide		600		600
	Graphics Information System (GIS)	Areawide	R 750			750
	Priority List Enhance- ments	Areawide	R 20			20
	Misc. Engineering Systems (MES)	Areawide	R 30			30
PREPARED BY <u>R.C. Bishope</u> DATE <u>05-15-85</u> TOTAL			G R		F S	

MUNICIPALITY OF ANCHORAGE

BUDGET YEAR PROJECTS

Utility Water

(000)

PROJECT CATEGORY	PROJECT TITLE	LOCATION	FUNDING			
			BONDS G-G.O BONDS R-REV BONDS	OPERATIONS	GRANTS F-FEDERAL S-STATE	TOTAL
New Equipment (continued)	WATSIM/CPR Interface and Graphics	Areawide	R 150			150
	Billing/User Records System (BURS)	Areawide	R 100			100
	Project Information Tracking System (PITS)	Areawide	R 50			50
PREPARED BY <u>R.C. Bishop</u> DATE <u>05-15-85</u> TOTAL			1,925 ^G _R	1,197	F S	3,122

MUNICIPALITY OF ANCHORAGE

BUDGET YEAR PROJECTS

Utility Water

(000)

PROJECT CATEGORY	PROJECT TITLE	LOCATION	FUNDING			
			BONDS G=G.O BONDS R=REV BONDS	OPERATIONS	GRANTS F=FEDERAL S=STATE	TOTAL
Buildings	Administration Building Improvements	Spenard	R 300			300
PREPARED BY <u>R.C. Bishope</u> DATE <u>05-15-85</u> TOTAL			G 300 R		F S	300

MUNICIPALITY OF ANCHORAGE

Public Utilities	Unit No	Utility	Unit No	Division	Unit No							
	8700	ANCHORAGE WATER 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>
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	7,963	7,440	6,515	4,055	5,205	3,700	34,878					34,878
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	77,119	28,300	23,605	15,790	16,395	10,880	104,517	18,800	5,587	43,185	0	172,089
<u>SOURCE OF FUNDING</u>												
Revenue Bonds	18,897	26,660	21,865	13,910	14,395	8,790	104,517					104,517
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
<u>Federal Grant</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>					<u>0</u>	<u>0</u>
Total Funding	77,119	28,300	23,605	15,790	16,395	10,880						172,089

MUNICIPALITY OF ANCHORAGE

FUTURE CAPITAL PROJECTS

Utility Water

(000)

PROJECT CATEGORY	PROJECT TITLE	LOCATION	BUDGET BY YEAR				
			1987	1988	1989	1990	1991
Resources Development	Production Well #16	Areawide	R 200	R 1,000			
	Well House-Turnagain View East	Hillside	R 1,000				
	Water Master Plan	Areawide	R 20		R 20		
	Well #7	Spenard		R 90			

Source of Funding

G.O. BONDS

REVENUE BONDS

OPERATIONS

STATE GRANTS

FEDERAL GRANTS

TOTAL

<u>1,220</u>	<u>1,090</u>	<u>20</u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u>1,220</u>	<u>1,090</u>	<u>20</u>	<u> </u>	<u> </u>

PREPARED BY R.C. Bishope

DATE 05-15-85

FUTURE CAPITAL PROJECTS

Utility Water

(000)

PROJECT CATEGORY	PROJECT TITLE	LOCATION	BUDGET BY YEAR				
			1987	1988	1989	1990	1991
Treatment	Miscellaneous Well Upgrades R & R Emergency	Areawide	R 250	R 250	R 250	R 250	R 250
	Miscellaneous Well Upgrade and New acquisitions	Areawide	S 300	S 300	S 300	S 300	S 300
Source of Funding			G.O. BONDS				
			REVENUE BONDS	250	250	250	250
			OPERATIONS				
			STATE GRANTS	300	300	300	300
			FEDERAL GRANTS				
			TOTAL	550	550	550	550

PREPARED BY R.C. Bishoppe DATE 05-15-85

FUTURE CAPITAL PROJECTS

Utility Water

(000)

PROJECT CATEGORY	PROJECT TITLE	LOCATION	BUDGET BY YEAR				
			1987	1988	1989	1990	1991
Distribution Reservoirs	Small Distribution Reservoirs	Areawide	R 3,500	R 600	R 3,800		
	Distribution Reservoir Site Acquisition	Areawide	R 450				
	Distribution Reservoir Upper Eagle River	Eagle River, Chugiak	R 400	R 3,500			
	Distribution Reservoir Turnagain View/Doc Hines	Hillside	R 3,000				
	Distribution Reservoir Service Hanshew	Hillside	R 400	R 3,500			
	Kincaid Reservoir	Sand Lake			R 1,000	R 4,000	
	Reservoir Painting	Areawide	R 300	R 300	R 300	R 300	R 300
	Distribution Reservoir	Eagle River, Chugiak	R 2,700				

Source of Funding

G.O. BONDS

REVENUE BONDS

OPERATIONS

STATE GRANTS

FEDERAL GRANTS

TOTAL

<u>10,750</u>	<u>7,900</u>	<u>5,100</u>	<u>4,300</u>	<u>300</u>
<u>10,750</u>	<u>7,900</u>	<u>5,100</u>	<u>4,300</u>	<u>300</u>

PREPARED BY R.C. Bishope

DATE 05-15-85

FUTURE CAPITAL PROJECTS

Utility Water

(000)

PROJECT CATEGORY	PROJECT TITLE	LOCATION	BUDGET BY YEAR				
			1987	1988	1989	1990	1991
Transmission	Private Development Oversizing	Areawide	R 230	R 330	R 380	R 300	
	Eagle River Transmission System Interties	Eagle River, Chugiak	R 200	R 300	R 300		
	New Pressure Reducing Valves & Vaults	Areawide	R 225	R 225	R 250	R 250	
	Abbott Transmission Main P. V & VI	Oceanview/Hillside	R 3,000	R 2,000			
	Misc. New Transmission Mains	Areawide		R 2,750	R 3,000	R 3,000	R 3,000
	Southwest Anchorage 30-inch	Sand Lake-Campbell Lake/Klatt	R 2,400				
	30-inch/84th Avenue Spruce to Abbott	Abbott Loop	R 650				
	Turnagain View East 16"	Hillside	R 575				
	Denali Street/40th Ave. to Tudor Road	Spenard	R 160				
	Kincaid Road 24"	Sand Lake			R 125	R 800	
Source of Funding			G.O. BONDS	_____	_____	_____	_____
			REVENUE BONDS	_____	_____	_____	_____
			OPERATIONS	_____	_____	_____	_____
			STATE GRANTS	_____	_____	_____	_____
			FEDERAL GRANTS	_____	_____	_____	_____
			TOTAL	_____	_____	_____	_____

PREPARED BY R.C. Bishope DATE 05-15-85

FUTURE CAPITAL PROJECTS

Utility Water

(000)

PROJECT CATEGORY	PROJECT TITLE	LOCATION	BUDGET BY YEAR				
			1987	1988	1989	1990	1991
Transmission (continued)	Sand Lake Road 30"	Sand Lake				R 105	R 700
	Lore Road/Lake Otis to Abbott Loop	Abbott Loop				R 750	
	30-Inch Alaska Subd. at 84th	Hillside/Abbott		R 910			

Source of Funding

G.O. BONDS					
REVENUE BONDS	<u>7,440</u>	<u>6,515</u>	<u>4,055</u>	<u>5,205</u>	<u>3,700</u>
OPERATIONS					
STATE GRANTS					
FEDERAL GRANTS					
TOTAL	<u>7,440</u>	<u>6,515</u>	<u>4,055</u>	<u>5,025</u>	<u>3,700</u>

PREPARED BY R.C. Bishope DATE 05-15-85

FUTURE CAPITAL PROJECTS

Utility Water

(000)

PROJECT CATEGORY	PROJECT TITLE	LOCATION	BUDGET BY YEAR					
			1987	1988	1989	1990	1991	
Distribution	Anticipated Water Improvement Districts (WID's)	Areawide	R 750 S 500	R 870 S 580	R 1,050 S 700	R 1,200 S 800	R 1,320 S 880	
	Service Connects	Areawide	R 500	R 500	R 500	R 500	R 500	
Source of Funding			G.O. BONDS	<u>1,250</u>	<u>1,370</u>	<u>1,550</u>	<u>1,700</u>	<u>1,820</u>
			REVENUE BONDS					
			OPERATIONS					
			STATE GRANTS	<u>500</u>	<u>580</u>	<u>700</u>	<u>800</u>	<u>880</u>
			FEDERAL GRANTS					
			TOTAL	<u>1,750</u>	<u>1,950</u>	<u>2,250</u>	<u>2,500</u>	<u>2,700</u>

PREPARED BY R.C. Bishop

DATE 05-15-85

FUTURE CAPITAL PROJECTS

Utility Water

(000)

PROJECT CATEGORY	PROJECT TITLE	LOCATION	BUDGET BY YEAR				
			1987	1988	1989	1990	1991
Upgrade Transmission	Eagle River Hydrants	Eagle River, Chugiak	R 200	R 50	R 50	R 50	
	PRV System Expansion	Government Hill	R 150	R 600			
	Replace 15th Avenue/ 10-inch/"C" to "I" St.	Inlet View	R 60	R 420			
	4th Avenue/Gambell to "A" Street	Downtown		R 475			
	Sunny Slopes Phase II	Eagle River, Chugiak	R 750				
Source of Funding			G.O. BONDS				
			REVENUE BONDS	<u>1,160</u>	<u>1,545</u>	<u>50</u>	<u>50</u>
			OPERATIONS				
			STATE GRANTS				
			FEDERAL GRANTS				
			TOTAL	<u>1,160</u>	<u>1,545</u>	<u>50</u>	<u>50</u>

PREPARED BY R.C. Bishope DATE 05-15-85

FUTURE CAPITAL PROJECTS

Utility Water

(000)

PROJECT CATEGORY	PROJECT TITLE	LOCATION	BUDGET BY YEAR					
			1987	1988	1989	1990	1991	
Repair and Rehabilitation	State DOTPF Highway Related Projects	Areawide	R 330	R 360	R 400	R 430	R 460	
	Municipality of Anch. Road Related Projects	Areawide	R 500	R 500	R 500	R 500	R 500	
	Woodstave Line Replacement	Areawide	R 400	R 475	R 400	R 400	R 400	
	R & R Emergency-Lines	Areawide	R 300	R 300	R 300	R 300	R 300	
	Pressure Reducing Vaults R&R	Areawide	R 210	R 220	R 230	R 240	R 240	
Source of Funding			G.O. BONDS					
			REVENUE BONDS	1,740	1,855	1,830	1,870	1,900
			OPERATIONS					
			STATE GRANTS					
			FEDERAL GRANTS					
			TOTAL	1,740	1,855	1,830	1,870	1,900

PREPARED BY R.C. Bishop DATE 05-15-85

FUTURE CAPITAL PROJECTS

Utility Water

(000)

PROJECT CATEGORY	PROJECT TITLE	LOCATION	BUDGET BY YEAR				
			1987	1988	1989	1990	1991
New Equipment	Miscellaneous Equipment	Areawide	O 600	O 600	O 600	O 600	O 600
	Water Meters	Areawide	R 275	R 300	R 325	R 350	R 375
	Vehicles	Areawide	O 240	O 260	O 280	O 300	O 310
	Remote meter reading program	Areawide	R 1,500	R 75	R 75	R 75	R 75
	Phase III, Telemetry	Areawide	R 150	R 150	R 100	R 100	R 100
	Graphics Information System (GIS)	Areawide	R 350	R 350	R 200	R 200	R 100
	Management Information Systems (MIS)	Areawide	R 400	R 300	R 250	R 200	R 100
	Billing/User Records System (BURS)	Areawide	R 50	R 40	R 30	R 20	R 10
	Project Information Tracking System (PITS)	Areawide	R 50	R 50	R 25	R 25	R 10

Source of Funding

G.O. BONDS

REVENUE BONDS

OPERATIONS

STATE GRANTS

FEDERAL GRANTS

TOTAL

<u>2,775</u>	<u>1,265</u>	<u>1,005</u>	<u>970</u>	<u>770</u>
<u>840</u>	<u>860</u>	<u>880</u>	<u>900</u>	<u>910</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u>3,615</u>	<u>2,125</u>	<u>1,885</u>	<u>1,870</u>	<u>1,680</u>

PREPARED BY R.C. Bishope DATE 05-15-85

FUTURE CAPITAL PROJECTS

Utility Water

(000)

PROJECT CATEGORY	PROJECT TITLE	LOCATION	BUDGET BY YEAR				
			1987	1988	1989	1990	1991
Buildings	Administration Building Improvements	Spenard	R 75	R 75	R 50	R 50	R 50
Source of Funding			G.O. BONDS				
			REVENUE BONDS	75	75	50	50
			OPERATIONS				
			STATE GRANTS				
			FEDERAL GRANTS				
			TOTAL	75	75	50	50

PREPARED BY R.C. Bishop DATE 05-15-85

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.
		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		
Expense	20,771,150	23,530,020	28,872,710		
Net Income for Governmental Financial Reporting	(1,187,880)	(1,927,350)	(3,601,220)		
Adjustment for Regulatory Reporting	2,805,480	3,378,880	4,192,530		
Net Income (Regulatory)	1,617,600	1,451,530	591,310		
<u>Capital Budget</u>					
Project Category					
◦ Treatment	23,325,000	14,135,000	7,560,000		
◦ Pump Stations/Force Mains	3,000,000	430,000	1,090,000		
◦ Trunks & Interceptors	2,250,000	4,060,000	3,220,000		
◦ Laterals	2,000,000	6,783,000	11,553,000		
◦ Repair & Rehabilitation	2,320,000	3,230,000	1,938,000		
◦ New Equipment	1,980,000	3,595,000	2,589,000		
◦ Buildings	8,100,000	11,330,000	70,000		
Total	42,975,000	43,563,000	28,020,000		

MUNICIPALITY OF ANCHORAGE

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

MUNICIPALITY OF ANCHORAGE

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

MUNICIPALITY OF ANCHORAGE

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

MUNICIPALITY OF ANCHORAGE

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

MUNICIPALITY OF ANCHORAGE

Public Utilities	Unit No.	Utility	Unit No.	Division	Unit No.
		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		
Debt Service Requirement	7,795,100	9,563,630	11,026,170		
Debt Coverage	1.36	1.16	1.20		

MUNICIPALITY OF ANCHORAGE

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

MUNICIPALITY OF ANCHORAGE

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

BUDGET YEAR PROJECTS

Utility Wastewater

(000)

PROJECT CATEGORY	PROJECT TITLE	LOCATION	FUNDING			
			BONDS G - G O BONDS R - REV BONDS	OPERATIONS	GRANTS F - FEDERAL S - STATE	TOTAL
Treatment	Pt. Woronzof WWTF/ Expansion	International Airport	G 2,905		F 4,545	7,450
	Office & Laboratory Modification	Girdwood	G 50			50
	Generator Overhaul	Eagle River, Chugiak	G 50			50
	Influent Structure Access Modification	Girdwood	G 10			10
PREPARED BY <u>R.C. Bishope</u> DATE <u>05-15-85</u> TOTAL			3,015 G R		4,545 F S	7,560

MUNICIPALITY OF ANCHORAGE

BUDGET YEAR PROJECTS

Utility Wastewater

(000)

PROJECT CATEGORY	PROJECT TITLE	LOCATION	FUNDING			
			BONDS G - G.O BONDS R - REV BONDS	OPERATIONS	GRANTS F - FEDERAL S - STATE	TOTAL
Pump Stations and Force Mains	Eagle River Areawide P. S & F.M.	Eagle River, Chugiak	G 1,000			1,000
	Campbell Creek P.S. Crane Upgrade	Campbell Lake/Klatt	G 60			60
	Auxiliary Power	Areawide	G 30			30
PREPARED BY <u>R.C. Bishop</u> DATE <u>05-15-85</u> TOTAL			1,090 G R		F S	1,090

MUNICIPALITY OF ANCHORAGE

BUDGET YEAR PROJECTS

Utility Wastewater

(000)

PROJECT CATEGORY	PROJECT TITLE	LOCATION	FUNDING			
			BONDS G - G O BONDS R - REV BONDS	OPERATIONS	GRANTS F - FEDERAL S - STATE	TOTAL
Trunks & Interceptors	State DOTPF Highway Related Projects	Areawide	G 600			600
	Private Development Oversizing	Areawide	G 200			200
	Municipality of Anch. Road Related Projects	Areawide	G 700			700
	Private Development Reimbursement	Areawide	G 120			120
	Fire Lake Trunk (North Access Rd. to N. side Fire Lake)	Eagle River, Chugiak			S 1,500	1,500
	Septic Disposal Station	Areawide	G 100			100
PREPARED BY <u>R.C. Bishope</u> DATE <u>05-15-85</u> TOTAL			1,720 G R		F S 1,500	3,220

MUNICIPALITY OF ANCHORAGE

BUDGET YEAR PROJECTS

Utility Wastewater

(000)

PROJECT CATEGORY	PROJECT TITLE	LOCATION	FUNDING			
			BONDS G- G O BONDS R- REV BONDS	OPERATIONS	GRANTS F - FEDERAL S - STATE	TOTAL
Laterals	Anticipated Lateral Improvement Districts (LID's)	Areawide	G 6,752		S 4,501	11,253
	Capital Projects/Lake Otis Improvements	Abbott Loop			S 300	300
PREPARED BY <u>R.C. Bishope</u> DATE <u>05-15-85</u> TOTAL			6,752 G R		4,801 F S	11,553

MUNICIPALITY OF ANCHORAGE

BUDGET YEAR PROJECTS

Utility Wastewater

(000)

PROJECT CATEGORY	PROJECT TITLE	LOCATION	FUNDING			
			BONDS G - G G BONDS R - REV BONDS	OPERATIONS	GRANTS F - FEDERAL S - STATE	TOTAL
Repair & Rehabilitation	R & R Municipality of Anchorage Road Related Projects	Areawide	G 265		S 265	530
	R & R Emergency	Areawide	G 300			300
	Boniface 14" R & R	Muldoon			S 520	520
	Capital Projects/36th Avenue Improvements	Spenard			S 100	100
	Bootlegger Cove manholes	Turnagain	G 150			150
	"C" Street-Cordova St. between 10th & 11th Ave.	Fairview	G 100			100
	VC pipe pilot reline program	Downtown	G 125			125
	West 32nd - 33rd Eureka	Spenard	G 40			40
PREPARED BY <u>R.C. Bishope</u> DATE <u>05-15-85</u> TOTAL			980 G R		F 885 S	1,865

MUNICIPALITY OF ANCHORAGE

CARRYOVER CAPITAL PROJECTS

Utility Wastewater

(000)

PROJECT CATEGORY	PROJECT TITLE	LOCATION	BUDGET AMOUNT	REVISION AMOUNT	REVISED BUDGET
Repair & Rehabilitation	2nd Avenue between 'F' and 'G' Streets (160G previously appropriated)	Downtown		G 73	G 73
Source of Funding			G.O. BONDS	73	73
			REVENUE BONDS		
			OPERATIONS		
			STATE GRANTS		
			FEDERAL GRANTS		
			TOTAL	73	73

PREPARED BY R.C. Bishope DATE 05-15-85

MUNICIPALITY OF ANCHORAGE

BUDGET YEAR PROJECTS

Utility Wastewater

(000)

PROJECT CATEGORY	PROJECT TITLE	LOCATION	FUNDING			
			BONDS G-G.O BONDS R-REV BONDS	OPERATIONS	GRANTS F-FEDERAL S-STATE	TOTAL
New Equipment	Miscellaneous Equip.	Areawide		500		500
	Vehicle Hoist	Areawide		13		13
	Overhead crane	Areawide		40		40
	Pump motor	Turnagain		150		150
	Vehicles	Areawide		200		200
	Communications	Areawide		46		46
	Dozer replacement	Areawide		60		60
	Loader replacement	Areawide		80		80
	Boiler trunk rplcmt.	Areawide		60		60
	Dump truck rplcmt.	Areawide		60		60
	Backhoe replacement	Areawide	G	150		150
	Sewer jet	Areawide		80		80
	Graphics Information System (GIS)	Areawide	G	750		750
PREPARED BY <u>R.C. Bishope</u> DATE <u>05-15-85</u>			G		F	
TOTAL			R		S	

MUNICIPALITY OF ANCHORAGE

BUDGET YEAR PROJECTS

Utility Wastewater

(000)

PROJECT CATEGORY	PROJECT TITLE	LOCATION	FUNDING			
			BONDS G-G.O BONDS R-REV BONDS	OPERATIONS	GRANTS F-FEDERAL S-STATE	TOTAL
New Equipment (continued)	Priority List Enhance- ments	Areawide	G 20			20
	Miscellaneous Engineering Systems (MES)	Areawide	G 30			30
	Billing/User Records System (BURS)	Areawide	G 100			100
	Project Information Tracking System (PITS)	Areawide	G 50			50
	CPR/Sewer Connects Inter- face	Areawide	G 200			200
PREPARED BY <u>R.C. Bishop</u> DATE <u>05-15-85</u> TOTAL			1,300G R	1,289	F S	2,589

MUNICIPALITY OF ANCHORAGE

BUDGET YEAR PROJECTS

Utility Wastewater

(000)

PROJECT CATEGORY	PROJECT TITLE	LOCATION	FUNDING			
			BONDS G-G O BONDS R-REV BONDS	OPERATIONS	GRANTS F-FEDERAL S-STATE	TOTAL
Buildings	Division Headquarters Improvements	Muldoon	G 10			10
	Inspect roof & insulate ceiling	Girdwood	G 35			35
	Parking surface	Girdwood	G 25			25
PREPARED BY <u>R.C. Bishope</u> DATE <u>05-15-85</u> TOTAL			70 G R		F S	70

MUNICIPALITY OF ANCHORAGE

BUDGET YEAR PROJECTS

Utility Wastewater

(000)

PROJECT CATEGORY	PROJECT TITLE	LOCATION	FUNDING			
			BONDS G-G.O.BONDS R-REV BONDS	OPERATIONS	GRANTS F-FEDERAL S-STATE	TOTAL
Water Quality Improvement	Upper Fish Creek Trunk	Spenard	G 1,700			1,700
	Middle Fish Creek Study & Trunk	Spenard	G 300			300
	Pt. Woronzof Laboratory	International Airport	G 600			600
PREPARED BY <u>R.C. Bishop</u> DATE <u>09-09-85</u> TOTAL			2,600 G R		F S	2,600

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>OPERA-TIONS</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		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												

FUTURE CAPITAL PROJECTS

Utility Wastewater

(000)

PROJECT CATEGORY	PROJECT TITLE	LOCATION	BUDGET BY YEAR					
			1987	1988	1989	1990	1991	
Treatment	Eagle River WWTF Expansion	Eagle River, Chugiak	R 12,000					
	Pt. Woronzof WWTF/ Expansion	International Airport	G 2,438 F 3,812					
	Girdwood WWTF Shop & Storage Facility	Girdwood	G 20	G 200				
	Surge Lagoon Rehabilitation	Girdwood	G 200					
	Leaching Pond Rehabilitation	Girdwood	G 30		G 40		G 50	
	Solids Handling Improvements	Girdwood		G 100		G 500		
	Loading Dock Modification	Girdwood		G 15				
	Upgrade Electrical Service	Girdwood		G 50				
	Rebuild Standby Generator	Eagle River, Chugiak			G 50			
Source of Funding			G.O. BONDS	_____	_____	_____	_____	_____
			REVENUE BONDS	_____	_____	_____	_____	_____
			OPERATIONS	_____	_____	_____	_____	_____
			STATE GRANTS	_____	_____	_____	_____	_____
			FEDERAL GRANTS	_____	_____	_____	_____	_____
			TOTAL	_____	_____	_____	_____	_____

PREPARED BY R.C. Bishope DATE 05-15-85

MUNICIPALITY OF ANCHORAGE

FUTURE CAPITAL PROJECTS

Utility Wastewater

(000)

PROJECT CATEGORY	PROJECT TITLE	LOCATION	BUDGET BY YEAR					
			1987	1988	1989	1990	1991	
Treatment (continued)	Heating & Ventilation System Rebuild	Girdwood			G 20			
	Mixed Media Filter Rehabilitation	Girdwood				G 80		
	Rebuild Standby Generator	Girdwood				G 60		
Source of Funding			G.O. BONDS	<u>2,688</u>	<u>365</u>	<u>110</u>	<u>500</u>	<u>190</u>
			REVENUE BONDS	<u>12,000</u>				
			OPERATIONS					
			STATE GRANTS					
			FEDERAL GRANTS	<u>3,812</u>				
			TOTAL	<u>18,500</u>	<u>365</u>	<u>110</u>	<u>500</u>	<u>190</u>

PREPARED BY R.C. Bishop DATE 05-15-85

FUTURE CAPITAL PROJECTS

Utility Wastewater

(000)

PROJECT CATEGORY	PROJECT TITLE	LOCATION	BUDGET BY YEAR					
			1987	1988	1989	1990	1991	
Pump Stations and Force Mains	Campbell Creek Pump Station Parking Surface Replacement	Campbell Lake/Klatt	G 35					
	* Hiland Drive Pump Station and Force Main	Eagle River, Chugiak	S 380	S 1,655				
	Eagle River Pump Station (A)	Eagle River, Chugiak				G 75	G 300	
	Eagle River Areawide P.S. & F.M.	Eagle River, Chugiak	R 5,000	R 5,000				
	Auxiliary Power	Areawide	G 95					
Source of Funding			G.O. BONDS	<u>130</u>			<u>75</u>	<u>300</u>
			REVENUE BONDS	<u>5,000</u>	<u>5,000</u>			
			OPERATIONS					
			STATE GRANTS	<u>380</u>	<u>1,655</u>			
			FEDERAL GRANTS					
			TOTAL	<u>5,510</u>	<u>6,655</u>		<u>75</u>	<u>300</u>

PREPARED BY R.C. Bishope DATE 05-15-85

MUNICIPALITY OF ANCHORAGE

FUTURE CAPITAL PROJECTS

Utility Wastewater

(000)

PROJECT CATEGORY	PROJECT TITLE	LOCATION	BUDGET BY YEAR					
			1987	1988	1989	1990	1991	
Trunks & Interceptors	State DOTPF Highway Related Projects	Areawide	G 700	G 700	G 800	G 800	G 700	
	Private Development Oversizing	Areawide	G 250	G 300	G 300	G 300	G 400	
	Municipality of Anc. Road Related Projects	Areawide	G 750	G 750	G 750	G 750	G 750	
	Sand Lake Gravel Pit Tunnel and Trunk	Sand Lake-Campbell Lake/Klatt	G 3,500	G 2,000				
	Private Development Reimbursement	Areawide	G 130	G 140	G 150	G 150		
	A-4(B) Trunk	Campbell-Taku	G 150	G 1,200				
	* Hiland Drive Interceptor	Eagle River, Chugiak	S 85	S 280				
	New Glenn Highway Interceptor	Eagle River, Chugiak				G 350	G 1,350	
	B-1-4 (B) Trunk	Lake Otis & Spenard				G 200	G 800	
	Septic Disposal Station	Areawide	G 250					
	Treatment Plant Inflow Interceptor Line-48"	Eagle River, Chugiak	G 200					
Source of Funding			G.O. BONDS	5,930	5,090	2,000	2,550	4,000
			REVENUE BONDS					
			OPERATIONS					
			STATE GRANTS	85	280			
			FEDERAL GRANTS					
			TOTAL	6,015	5,370	2,000	2,550	4,000

PREPARED BY R.C. Bishoppe

DATE 05-15-85

FUTURE CAPITAL PROJECTS

Utility Wastewater

(000)

PROJECT CATEGORY	PROJECT TITLE	LOCATION	BUDGET BY YEAR					
			1987	1988	1989	1990	1991	
Laterals	Anticipated Lateral Improvement Districts (LID's)	Areawide	G 2,360 S 1,240	G 2,950 S 850	G 2,400 S 1,600	G 2,100 S 1,400	G 2,100 S 1,400	
Source of Funding			G.O. BONDS	2,360	2,950	2,400	2,100	2,100
			REVENUE BONDS					
			OPERATIONS					
			STATE GRANTS	1,240	850	1,600	1,400	1,400
			FEDERAL GRANTS					
			TOTAL	3,600	3,800	4,000	3,500	3,500

PREPARED BY R.C. Bishope

DATE 05-15-85

MUNICIPALITY OF ANCHORAGE

FUTURE CAPITAL PROJECTS

Utility Wastewater

(000)

PROJECT CATEGORY	PROJECT TITLE	LOCATION	BUDGET BY YEAR					
			1987	1988	1989	1990	1991	
Repair & Rehabilitation	R & R Municipality of Anchorage Road Related Projects	Areawide	G 270	G 275	G 280	G 285	G 200	
			S 270	S 275	S 280	S 285	S 200	
	R & R Emergency	Areawide	G 325	G 350	G 350	G 400	G 400	
*	R & R Chester Creek Force Main	Inlet View/Turnagain		G 100	G 700			
*	C-5 Campbell Creek Trunk Reline	Campbell-Taku Campbell Lake-Klatt Sand Lake	G 376 F 589	G 3,387 F 5,298				
	State Related Spenard Road Improvements	Turnagain/Spenard	S 10	S 60				
	Cordova-Fairbanks between 10th & 11th Ave.	Fairview	G 100					
*	Middle Fish Creek Trunk 44th Ave. to Turnagain Blvd.	Spenard		R 5,750				
*	B-6(F) N Chester Creek Trunk to "R" Street	Inlet View/Turnagain			S 70	S 542		
*	B-6(E) N Chester Creek Trunk "R" Street to "K" Street	Inlet View/Turnagain				S 133	S 1,015	
Source of Funding			G.O. BONDS	<u>1,071</u>	<u>4,112</u>	<u>1,330</u>	<u>685</u>	<u>600</u>
			REVENUE BONDS		<u>5,750</u>			
			OPERATIONS					
			STATE GRANTS	<u>280</u>	<u>335</u>	<u>350</u>	<u>960</u>	<u>1,215</u>
			FEDERAL GRANTS	<u>589</u>	<u>5,298</u>			
			TOTAL	<u>1,940</u>	<u>15,495</u>	<u>1,680</u>	<u>1,645</u>	<u>1,815</u>

PREPARED BY R.C. Bishop DATE 05-15-85

MUNICIPALITY OF ANCHORAGE

FUTURE CAPITAL PROJECTS

Utility Wastewater

(000)

PROJECT CATEGORY	PROJECT TITLE	LOCATION	BUDGET BY YEAR					
			1987	1988	1989	1990	1991	
New Equipment	Miscellaneous Equipment	Areawide	O 500	O 500	O 500	O 500	O 500	
	Vehicles	Areawide	O 220	O 240	O 260	O 280	O 300	
	Graphics Information System (GIS)	Areawide	G 350	G 350	G 200	G 200	G 100	
	Billing/User Records System (BURS)	Areawide	G 50	G 40	G 30	G 20	G 10	
	Project Information Tracking System (PITS)	Areawide	G 50	G 50	G 25	G 25	G 10	
	CPR/Sewer Connects Interface	Areawide	G 50	G 20	G 10			
	Management Information Systems (MIS)	Areawide	G 400	G 300	G 250	G 200	G 100	
Source of Funding			G.O. BONDS	900	760	515	445	220
			REVENUE BONDS					
			OPERATIONS	720	740	760	780	800
			STATE GRANTS					
			FEDERAL GRANTS					
			TOTAL	1,620	1,500	1,275	1,225	1,020

PREPARED BY R.C. Bishop

DATE 05-15-85

MUNICIPALITY OF ANCHORAGE

FUTURE CAPITAL PROJECTS

Utility Wastewater

(000)

PROJECT CATEGORY	PROJECT TITLE	LOCATION	BUDGET BY YEAR					
			1987	1988	1989	1990	1991	
Buildings	Incinerator Bldg. Interior Painting	International Airport	G 100					
	Repair Driveway & Parking Area	Eagle River, Chugiak	G 35					
	Tile Floors	International Airport		G 10				
	Reseal Roofs	Eagle River, Chugiak			G 15			
	Seal Roofs	International Airport					G 35	
	Seal Roof	Girdwood					G 35	
	Division Headquarters Improvements	Muldoon	G 30					
Source of Funding			G.O. BONDS	165	10	15		70
			REVENUE BONDS					
			OPERATIONS					
			STATE GRANTS					
			FEDERAL GRANTS					
			TOTAL	165	10	15		70

PREPARED BY R.C. Bishope DATE 05-15-85