

# **ANCHORAGE WATER UTILITY**

## MUNICIPALITY OF ANCHORAGE

Utility	Division			Budget Year
ANCHORAGE WATER UTILITY				1988
ANCHORAGE WATER UTILITY RECONCILIATION OF 1987 BUDGET TO 1988 BUDGET (\$000)				
	<u>1987 BUDGET</u>	<u>1988 BUDGET</u>	<u>VARIANCE</u>	<u>EXPLANATION</u>
<u>REVENUE</u>				
Operating Revenues	17,658	19,894	2,236	A
Non-Operating Revenues	<u>7,622</u>	<u>6,697</u>	<u>(925)</u>	B
TOTAL REVENUES	25,280	26,591	1,311	
<u>OPERATING EXPENSES</u>				
Operations	12,536	12,563	27	
Depreciation	1,816	1,961	145	
MUSA	<u>1,924</u>	<u>2,636</u>	<u>712</u>	
TOTAL OPERATING EXPENSES	16,276	17,160	884	C
Non-Operating Expenses	8,624	9,320	696	D
Total Expenses	24,900	26,480	1,580	
Net Income Regulatory	380	111	(269)	
Adjustment for GAAP Method	3,525	3,231	(294)	E
Net Income GAAP	(3,145)	(3,120)	25	

Utility	Division	Budget Year
ANCHORAGE WATER UTILITY		1988
<p data-bbox="714 300 1428 357">RECONCILIATION OF 1987 BUDGET TO 1988 BUDGET EXPLANATION OF VARIANCE</p> <p data-bbox="178 454 1963 876">A. Reflects rate increase of 9.57% with estimated additional customer loss of 0.5%.</p> <p data-bbox="178 519 1743 552">B. Decrease in interest earnings caused by draw-down of cash balances in construction cash pool.</p> <p data-bbox="178 584 1963 682">C. Operating cost reductions offset by partial-year operating expenses for Eklutna testing. Depreciation and MUSA are factors of the amount of plant additions from recent years. MUSA also adversely affected by increased mill rates without reduced valuation of plant.</p> <p data-bbox="178 714 483 747">D. Debt coverage.</p> <p data-bbox="178 779 1963 876">E. Represents depreciation of contributed plant (acquired with grant funds or constructed by a private developer). Regulatory accounting does not allow this to be considered as an operating expense. Generally accepted accounting principles (GAAP) does require it to be shown as an operating expense.</p>		

Utility ANCHORAGE WATER UTILITY	Division	Budget Year 1988
<p style="text-align: center;">ANCHORAGE WATER UTILITY PROJECTED RATE INCREASES</p>		
<p><u>1988: 9.57%</u></p>		
<p>Components: Existing debt service plus \$15 million bond sale = 89.28% or \$2.5 million of revenue deficiency. Operations = 10.7% or \$300,000.</p>		
<p><u>1989: 31.55%</u></p>		
<p>Components: Existing debt service plus impact of Eklutna project bond sale = 88.29% or \$8.3 million of revenue deficiency. Operations = 11.71% or \$1.1 million.</p>		
<p><u>1991: 7.92%</u></p>		
<p>Components: Debt service = 80.77% or \$2.1 million of revenue deficiency. Operations = 19.23% or \$500,000.</p>		
<p><u>1992: 8.88%</u></p>		
<p>Components: Debt service = 84.38% or \$2.7 million of revenue deficiency. Operations = 15.62% or \$500,000.</p>		

## MUNICIPALITY OF ANCHORAGE

Utility	Division					Budget Year
ANCHORAGE WATER UTILITY						1988
<u>RESOURCE IMPACTS</u>						
	<u>1988</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>	<u>1992</u>	<u>1993</u>
Bond Sales (000)	15,000	6,229	9,934	15,755	15,809	15,570
Grants Anticipated (000)	1,000	400	400	340	1,500	960
 <u>Total Water/Wastewater Personnel Increases</u>						
Program:						
Operations & Maintenance	-	-	1	1	-	-
Treatment Plant	-	2	-	1	-	-
Administrative & General	-	-	-	1	-	-
	0	2	1	3	0	0
Total Personnel	312	314	315	318	318	318
 Personnel by bargaining unit/classification						
Executive	12					
Non-Rep	66					
AMEA	92					
JCC	142					

MUNICIPALITY OF ANCHORAGE

Utility	Division			Budget Year
ANCHORAGE WATER UTILITY				1988
MISCELLANEOUS STATISTICAL DATA				
<u>Water Utility</u>	1985 <u>ACTUAL</u>	1986 <u>ACTUAL</u>	1987 <u>ESTIMATED</u>	1988 <u>ESTIMATED</u>
Number of Customers	38,740	39,904	38,795	38,600
Average Treatment Plant Production (GPD)	9,997,698	12,406,225	14,139,772	15,000,000
Average Well Production (GPD)				
Anchorage Bowl Wells	15,052,259	12,627,891	15,627,497	16,096,322
Eagle River Wells	646,991	356,035	296,089	250,000
Miles of Water Mains	577	605	624	633
Number of Fire Hydrants	4,700	4,775	5,000	5,000

## MUNICIPALITY OF ANCHORAGE

Utility ANCHORAGE WATER UTILITY	Division	Budget Year 1988
<p><u>1988 Budget Impacts</u></p> <p style="text-align: center;"><u>Operating</u></p> <ol style="list-style-type: none"> <li>1. Cost reduction measures begun in 1987 are being carried over into 1988. Where possible, wells will be shut down or put on a standby status. All categories of expense will continue to be closely monitored. Declining revenue caused by the current economic conditions may necessitate additional layoff of personnel during the year, over and above the nineteen positions identified in late 1987.</li> </ol> <p style="text-align: center;"><u>Capital</u></p> <ol style="list-style-type: none"> <li>1. Construction of the Eklutna Water Project is projected to remain as AWWU's largest funding requirement during 1987. This phase is providing for construction of the Water Treatment Plant, Clearwell, Tunnel, P-4 and Energy Recovery Station.</li> <li>2. Site acquisition and design in 1989 and construction in 1991 of a 5 million gallon reservoir to serve the 780/880-foot pressure zone in Eagle River. This reservoir will provide adequate operational fire, and emergency storage for the Eagle River area. (1989/\$400,000 - 1991/\$2,000,000).</li> <li>3. Design in 1989 of Phase IA &amp; IB, construction of Phase IA, final design of Phase II; construction of Phase IB in 1990; and construction of Phase II in 1991 of the Eklutna/Tudor Intertie (a 48" TM from SC to the reservoir on Tudor Road will transport an adequate supply to serve projected demands south and west of the Tudor Road Reservoir and the higher elevation areas of Muldoon.</li> </ol>		

## Municipality of Anchorage

Utility	Division	Budget Year	
ANCHORAGE WATER UTILITY		1988	
Municipality of Anchorage Financial Data			
Line Item Description	Year: <u>1986</u> Actual	Year: <u>1987</u> Pro-Forma	Year: <u>1988</u> Budget
<u>OPERATING BUDGET</u>			
Revenue	21,868,740	24,068,410	26,591,220
Expense	22,857,755	27,269,220	29,712,100
Net Income for Governmental Financial Reporting	(989,015)	(3,200,810)	(3,120,880)
Adjustment for Regulatory Reporting	2,450,120	2,619,630	3,231,110
Net Income (Regulatory)	1,461,105	(581,180)	110,230
<u>Capital Budget</u>			
Project Category			
◦ Resource Development	55,200,000	20,000	0
◦ Treatment	750,000	950,000	175,000
◦ Distribution Reservoirs	2,655,000	1,550,000	50,000
◦ Distribution	2,119,000	2,670,000	2,300,000
◦ Transmission	7,963,000	5,900,000	891,000
◦ Upgrade Transmission	950,000	337,000	0
◦ Repair & Rehabilitation	4,060,000	1,223,000	1,101,000
◦ New Equipment	3,122,000	1,307,000	880,000
◦ Buildings	300,000	0	245,000
Total	77,119,000	13,957,000	5,642,000



Utility	Division	Budget Year	
ANCHORAGE WATER UTILITY		1988	
Municipality of Anchorage Financial Data			
Line Item Description	Year: <u>1986</u> Actual	Year: <u>1987</u> Pro-Forma	Year: <u>1988</u> Budget
STATEMENT OF REVENUE & EXPENSE			
<u>OPERATING REVENUE</u>			
4601 Residential Sales	10,086,608	11,570,735	13,533,860
4602 Commercial Sales	3,800,840	4,262,690	4,893,080
4630 Public Fire Protection	1,153,740	1,153,740	1,416,900
4710 Miscellaneous Service Revenue	113,160	0	910
4742 Hydrant Use Charge	97,548	73,115	49,090
Total Operating Revenue	15,251,896	17,060,280	19,893,840
<u>OPERATING EXPENSE</u>			
6000 Source of Supply	1,423,743	1,729,840	1,562,010
6400 Treatment	1,380,876	1,426,220	1,705,230
6600 Transmission	3,383,696	3,141,700	3,177,820
9000 Customer Accounts	1,357,611	1,590,460	1,360,360
9200 General & Administrative	4,179,388	4,524,290	4,757,930
4030 Depreciation	1,368,802	1,669,620	1,961,190
4080 Service Assessment Taxes	1,298,888	2,124,280	2,636,410
*Total Operating Expense	14,393,004	16,206,410	17,160,950
Operating Income	858,892	853,870	2,732,890
*Depreciation of Contributed plant not included			

## Municipality of Anchorage

Utility	Division	Budget Year	
ANCHORAGE WATER UTILITY		1988	
Municipality of Anchorage Financial Data			
Line Item Description	Year: <u>1986</u> Actual	Year: <u>1987</u> Pro-Forma	Year: <u>1988</u> Budget
STATEMENT OF REVENUE & EXPENSE			
<u>NON-OPERATING REVENUE</u>			
4180 Rental Income	297,100	297,100	297,100
4190 Interest Revenue - Construction	1,625,612	897,990	156,040
4190 Interest - General Cash Pool	332,112	475,480	383,740
4190 Interest - Bond Redemption Resv.	727,901	494,650	535,580
4190 Interest - Bond Pmt. Deposits	0	90,110	118,540
4190 Interest - Other	2,033,630	1,096,990	333,820
4191 Interest & Penalties - Assess	153,425	0	0
4192 AFDC	1,447,064	3,655,810	4,872,560
Total Non-Operating Revenue	6,616,844	7,008,130	6,697,380
<u>NON-OPERATING EXPENSE</u>			
4250 Amortization of Deferred Debits	54,232	250,000	250,000
4270 Interest - Long-Term Debt	5,915,185	8,193,180	9,061,360
4300 Interest Expense - General Cash Pool	45,214	0	0
4300 Interest - Other	0	0	8,680
Total Non-Operating Expense	6,014,631	8,443,180	9,320,040
Non-Operating Income	602,213	(1,435,046)	(2,622,660)
Net Income	1,461,105	(581,180)	110,230
Net Income - Regulatory	1,461,105	(581,180)	110,230
Less: 4031 - Depreciation of Contributed plant	2,450,120	2,619,630	3,231,110
Net Income for Governmental Financial Reporting	(989,015)	(3,200,810)	(3,120,880)

Utility	Division	Budget Year	
ANCHORAGE WATER UTILITY		1988	
Municipality of Anchorage Financial Data			
Line Item Description	Year: <u>1986</u> Actual	Year: <u>1987</u> Pro-Forma	Year: <u>1988</u> Budget
STATEMENT OF SOURCES AND USES OF CASH FUNDS			
SOURCES OF CASH FUNDS:			
Net Income (Loss)	(989,015)	(3,200,810)	(3,120,880)
Depreciation	3,818,922	4,289,250	5,192,300
Bond Proceeds	55,000,000	0	15,000,000
Grants	20,259,225	17,634,534	1,528,174
Assessments	757,548	421,360	375,000
Other	4,233,393	195,262	0
Total Sources of Cash Funds	\$ 83,080,073	\$ 19,339,596	\$18,974,594
USES OF CASH FUNDS:			
Additions to Plant	43,773,014	67,141,065	25,516,128
Bond Principal Payment	241,413	1,606,673	1,708,597
Other	3,806,443	0	1,228,964
Total Uses of Cash Funds	47,820,870	68,747,738	28,453,689
Net Increase (Decrease) in Cash Funds	35,259,203	(49,408,142)	(9,479,095)
Cash Balance January 1,	\$ 39,572,809	\$ 74,832,012	\$ 25,423,870
Cash Balance December 31,	\$ 74,832,012	\$ 25,423,870	\$ 15,944,775
DETAIL OF CASH BALANCE:			
Equity in General Cash Pool	\$ 9,053,750	\$ 3,594,523	\$ 5,382,641
Equity in Construction Cash Pool	58,870,725	14,992,291	1,643,886
Revenue Bond Redemption Reserve	4,794,285	4,711,000	6,211,000
Revenue Bond Sinking Fund Reserve	2,113,252	2,126,056	2,707,248
Total Cash Balance December 31,	74,832,012	25,423,870	15,944,775

## Municipality of Anchorage

Utility	Division	Budget Year	
ANCHORAGE WATER UTILITY		1988	
Municipality of Anchorage Financial Data			
Line Item Description	Year: <u>1986</u> Actual	Year: <u>1987</u> Pro-Forma	Year: <u>1988</u> Budget
STATEMENT OF CHANGES IN FUND EQUITY			
Balance January 1	\$168,569,568	\$185,053,864	\$199,487,588
Net Income (Loss)	(989,015)	(3,200,810)	(3,120,880)
Contributions Received	17,473,311	17,634,534	1,528,174
Deduct Residual Transfers	<u>0</u>	<u>0</u>	<u>0</u>
Balance December 31,	<u>\$185,053,864</u>	<u>\$199,487,588</u>	<u>\$197,894,882</u>
Detail of Fund Equity:			
Retained Earnings	\$ 18,813,512	\$ 18,232,332	\$ 18,342,562
Contributed Capital	<u>166,240,352</u>	<u>181,255,256</u>	<u>179,552,320</u>
Total Fund Equity December 31,	<u>\$185,053,864</u>	<u>\$199,487,588</u>	<u>\$197,894,882</u>

Utility	Division		Budget Year
ANCHORAGE WATER UTILITY			1988
Municipality of Anchorage Financial Data			
Line Item Description	Year: <u>1986</u> Actual	Year: <u>1987</u> Pro-Forma	Year: <u>1988</u> Budget
<u>STATEMENT OF DEBT SERVICE COVERAGE</u>			
Income Available For Debt Service	5,510,500	7,072,020	9,593,850
Debt Service Requirement	3,924,720	4,810,900	6,395,890
Debt Coverage	1.40	1.47	1.50

Utility	Division	Budget Year	
ANCHORAGE WATER UTILITY		1988	
Municipality of Anchorage Financial Data			
Line Item Description	Year: <u>1986</u> Actual	Year: <u>1987</u> Pro-Forma	Year: <u>1988</u> Budget
<u>NET PROFIT MARGIN</u>			
Net Income Governmental Reporting	(989,015)	(3,200,810)	(3,120,880)
Operating Revenues	15,251,900	17,060,280	19,893,840
Net Profit Margin Governmental Reporting	(6.48)%	(18.76)%	(15.69)%
Net Income Regulatory	1,461,105	(581,180)	110,230
Operating Revenues	15,251,900	17,060,280	19,893,840
Net Profit Margin Regulatory	9.58%	(3.41)%	0.55%

## MUNICIPALITY OF ANCHORAGE

Utility	Division			Budget Year
ANCHORAGE WATER UTILITY				1988
ANCHORAGE WATER UTILITY OPERATING BUDGET				
EXPENSE ITEMS	1985	1986	1987	1988
Personnel Costs	4,226,718	4,893,878	5,204,640	4,980,310
Benefit Costs	1,927,949	2,282,107	2,557,455	2,503,423
Professional Services	203,851	86,801	528,149	580,963
Travel	24,048	28,395	16,136	17,749
Depreciation & Amortization	5,665,254	3,818,922	4,289,250	5,192,300
Interest	3,718,190	6,014,631	8,443,180	9,320,040
MUSA	887,751	1,298,888	2,124,280	2,636,410
SUBTOTAL	16,653,761	18,423,622	23,163,090	25,231,195
Intergovernmental Charges				
Finance Department	294,900	320,630	320,550	358,770
Information Systems Department	3,337	17,022	90,413	14,240
Public Utilities Administration	109,348	109,165	144,710	0
Public Utilities Customer Service	41,502	39,925	25,000	0
Public Utilities Credit & Collections	300,197	297,079	32,000	0
Human Resources Department	39,606	43,635	98,370	104,980
Other Intergovernmental Charges	248,480	211,554	189,847	302,580
Sub Total IGC	1,037,370	1,039,010	900,890	780,570
Purchased Utilities	1,153,504	1,155,960	1,248,922	1,373,814
Materials/Repairs/Supplies	403,491	523,624	358,212	394,033
Other Expenses	1,059,112	1,715,539	1,598,106	1,932,488
TOTAL EXPENSES	20,307,238	22,857,755	27,269,220	29,712,100

## MUNICIPALITY OF ANCHORAGE

Utility	Division				Budget Year	
Anchorage Water Utility					1988	
1988 CAPITAL IMPROVEMENT BUDGET FINANCIAL SUMMARY						
<u>PROJECT TITLE</u>	<u>TOTAL PROJECT COST 1988</u>	<u>REVENUE BONDS</u>	<u>G.O. BONDS</u>	<u>OPERATIONS</u>	<u>STATE GRANTS</u>	<u>FEDERAL GRANTS</u>
Resource Development	0	0	0	0	0	0
Treatment	175	175	0	0	0	0
Distribution Reservoir	50	50	0	0	0	0
Transmission	891	891	0	0	0	0
Distribution	2,300	1,300	0	0	1,000	0
Upgrade Transmission	0	0	0	0	0	0
Repair/Rehabilitation	1,101	1,101	0	0	0	0
New Equipment	880	430	0	450	0	0
<u>Buildings</u>	<u>245</u>	<u>245</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total (000)	5,642	4,192	0	450	1,000	0



BUDGET YEAR PROJECTS						Budget Year 1988
Utility <u>Water</u>						
Project Category	Project Title	Location	Funding			
			Bonds G-GO Bonds R-Rev Bonds	Operations	Grants F-Federal S-State	Total
Resource Development						0
Prepared by <u>Sharon L. Roberts</u> Date <u>06-23-87</u>			G R		F S	0

BUDGET YEAR PROJECTS						Budget Year 1988
Utility <u>Water</u>						
Project Category	Project Title	Location	Funding			
			Bonds G-GO Bonds R-Rev Bonds	Operations	Grants F-Federal S-State	Total
Treatment	Miscellaneous Well Upgrades/R&R	Areawide (Anch., E.R.)	R 100			100
	Miscellaneous Well Abandonments	Areawide (Anch., E.R.)	R 75			75
Prepared by <u>Sharon L. Roberts</u> Date <u>06-23-87</u> Total			G 175 R		F S	\$ 175

BUDGET YEAR PROJECTS						Budget Year
Utility <u>Water</u>						1988
Project Category	Project Title	Location	Funding			
			Bonds G-GO Bonds R-Rev Bonds	Operations	Grants F-Federal S-State	Total
Distribution Reservoirs	Military (Ft. Rich.) Reservoir	Muldoon	R 50			50
Prepared by <u>Sharon L. Roberts</u> Date <u>06-23-87</u>			G 50 R		F S	50

BUDGET YEAR PROJECTS						Budget Year 1988
Utility <u>Water</u>						
Project Category	Project Title	Location	Funding			
			Bonds G-GO Bonds R-Rev Bonds	Operations	Grants F-Federal S-State	Total
Transmission	Private Development Oversizing	Areawide (Anch., E.R.)	R 100			100
	New Pressure Reducing Valves & Vaults	Areawide (Anch., E.R.)	R 75			75
	Raspberry Road Betterment (Const.)	Sand Lake	R 300			300
	Muldoon Area Connects & Upgrades	Muldoon	R 200			200
	Spenard Rd. Ph. II (Design & Const.)	Spenard/Int'l. Airport	R 216			216
Prepared by <u>Sharon L. Roberts</u> Date <u>06-23-87</u> Total			G 891 R		F S	891

BUDGET YEAR PROJECTS						Budget Year 1988
Utility <u>Water</u>						
Project Category	Project Title	Location	Funding			
			Bonds G-GO Bonds R-Rev Bonds	Operations	Grants F-Federal S-State	Total
Distribution	Anticipated WIDs	Areawide (Anch., E.R.)	R 600		S 400	1,000
	Service Connects	Areawide (Anch., E.R.)	R 200			200
	Capital Projects/ Lake Otis	Abbott Loop	R 500		S 600	1,100
Prepared by <u>Sharon L. Roberts</u> Date <u>06-23-87</u> Total			G 1,300 R		F 1,000 S	2,300

BUDGET YEAR PROJECTS						Budget Year 1988
Utility <u>Water</u>						
Project Category	Project Title	Location	Funding			
			Bonds G-GO Bonds R-Rev Bonds	Operations	Grants F-Federal S-State	Total
Upgrade Transmission						0
Prepared by <u>Sharon L. Roberts</u> Date <u>06-23-87</u>			G R		F S	0

BUDGET YEAR PROJECTS						Budget Year
Utility <u>Water</u>						1988
Project Category	Project Title	Location	Funding			
			Bonds G-GO Bonds R-Rev Bonds	Operations	Grants F-Federal S-State	Total
Repair & Rehabilitation	State DOTPF Highway Related Projects	Areawide (Anch., E.R.)	R 100			100
	MOA/Road Related Projects	Areawide (Anch., E.R.)	R 100			100
	R&R Emergency Lines	Areawide (Anch., E.R.)	R 100			100
	Tudor/Dale To Chugiak	Spenard	R 196			196
	North Star Subd.	Spenard	R 188			188
	"I" Street/7th to 10th	Inlet View	R 342			342
	Wickersham Subd.	Lake Otis	R 75			75
Prepared by <u>Sharon L. Roberts</u> Date <u>06-23-87</u> Total			G 1,101 R		F S	1,101

BUDGET YEAR PROJECTS						Budget Year 1988
Utility <u>Water</u>						
Project Category	Project Title	Location	Funding			
			Bonds G-GO Bonds R-Rev Bonds	Operations	Grants F-Federal S-State	Total
New Equipment	Misc. Equipment	Areawide (Anch., E.R.)	R 200	0 300		300
	Water Meters	Areawide (Anch., E.R.)	R 200			200
	Vehicles	Areawide (Anch., E.R.)		0 150		150
	G.I.S.	Areawide (Anch., E.R.)	R 100			100
	Mis. Computer Software	Areawide (Anch., E.R.)	R 130			130
Prepared by <u>Sharon L. Roberts</u> Date <u>06-23-87</u> Total			G 430 R	450	F S	880



BUDGET YEAR PROJECTS						Budget Year
Utility <u>Water</u>						1988
Project Category	Project Title	Location	Funding			
			Bonds G-GO Bonds R-Rev Bonds	Operations	Grants F-Federal S-State	Total
Buildings	Administration Bldg. Improvements	Spenard	R 120			120
	Installation of Sensors	Areawide (Anch., E.R.)	R 125			125
Prepared by <u>Sharon L. Roberts</u> Date <u>06-23-87</u>			G 245 R		F S	245

MUNICIPALITY OF ANCHORAGE

Utility				Division								Budget Year	
ANCHORAGE WATER UTILITY												1988-1993	
CIB/CIP 1988 - 1993													
PROJECT TITLE	1988	1989	1990	1991	1992	1993	REVENUE BONDS	G.O. BONDS	OPERA- TIONS	STATE GRANTS	FEDERAL GRANTS	TOTAL	
Resource Development	0	0	0	280	20	200	500	0	0	0	0	500	
Treatment	175	100	100	550	550	550	2,025	0	0	0	0	2,025	
Distribution Reservoir	50	500	220	3,100	2,550	4,600	11,020	0	0	0	0	11,020	
Transmission	891	3,125	4,165	6,400	7,250	6,650	28,481	0	0	0	0	28,481	
Distribution	2,300	1,450	1,350	2,233	4,350	2,750	9,833	0	0	4,600	0	14,433	
Upgrade Transmission	0	50	150	890	50	0	1,140	0	0	0	0	1,140	
Repair/Rehabilitation	1,101	869	1,969	2,037	1,909	1,150	9,035	0	0	0	0	9,035	
New Equipment	880	955	1,580	1,505	1,530	1,530	3,430	0	4,550	0	0	7,980	
Buildings	245	80	1,700	0	0	0	2,025	0	0	0	0	2,025	
Total Program	5,642	7,129	11,234	16,995	18,209	17,430	67,489	0	4,550	4,600	0	76,639	
SOURCE OF FUNDING													
Revenue Bonds	4,192	6,229	9,934	15,755	15,809	15,570	67,489					67,489	
G.O. Bonds	0	0	0	0	0	0		0				0	
Operational	450	500	900	900	900	900			4,550			4,550	
State Grant	1,000	400	400	340	1,500	960				4,600		4,600	
Federal Grant	0	0	0	0	0	0					0	0	
Total Funding	5,642	7,129	11,234	16,995	18,209	17,430						76,639	

FUTURE CAPITAL PROJECTS						Budget Year		
Utility <u>Water</u>						1989-1993		
Project Category	Project Title	Location	BUDGET BY YEAR					
			1989	1990	1991	1992	1993	
Resource Development	Test Wells	Areawide (Anch., E.R.)			R 200			
	Water Loss Survey	Areawide (Anch., E.R.)			R 80			
	Water Master Plan	Areawide (Anch., E.R.)				R 20		
	Production Well #15 (Design)	Areawide (Anchorage)					R 200	
Source of Funding:			G.O. Bonds					
			Revenue Bonds			280	20	200
			Operations					
			State Grants					
			Federal Grants					
			Total			280	20	200
Prepared by <u>Sharon L. Roberts</u> Date <u>06-23-87</u>								

FUTURE CAPITAL PROJECTS			Budget Year 1989-1993				
Utility <u>Water</u>							
Project Category	Project Title	Location	BUDGET BY YEAR				
			1989	1990	1991	1992	1993
Treatment	Miscellaneous Well Upgrades/R & R	Areawide (Anch., E.R.)	R 100	R 100	R 550	R 550	R 550
Source of Funding:							
G.O. Bonds							
Revenue Bonds			100	100	550	550	550
Operations							
State Grants							
Federal Grants							
Total			100	100	550	550	550

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FUTURE CAPITAL PROJECTS							Budget Year
Utility <u>Water</u>							1989-1993
Project Category	Project Title	Location	BUDGET BY YEAR				
			1989	1990	1991	1992	1993
Distribution Reservoirs	E.R. 780/880' Zone Reservoir	Eagle/River Chugiak	R 400		R 2,000		
	Zodiak Reservoir - Design	Hillside	R 100	R 220			
	Reservoir Painting	Areawide (Anch., E.R.)			R 300	R 300	R 300
	Service High Resrvr.	Hillside			R 500		R 4,000
	Kincaid Reservoir SMG Phase I	Sand Lake			R 300	R 2,250	
	Turnagain View Resrvr.	Hillside					R 300
Source of Funding:							
G.O. Bonds							
Revenue Bonds			500	220	3,100	2,550	4,600
Operations							
State Grants							
Federal Grants							
Total			500	220	3,100	2,550	4,600
Prepared by <u>Sharon L. Roberts</u> Date <u>06-23-87</u>							

FUTURE CAPITAL PROJECTS						Budget Year 1989-1993	
Utility <u>Water</u>							
Project Category	Project Title	Location	BUDGET BY YEAR				
			1989	1990	1991	1992	1993
Transmission	Private Development Oversizing	Areawide (Anch., E.R.)	R 150	R 250	R 250	R 250	R 250
	New Pressure Reducing Valve/Vault	Areawide (Anch., E.R.)	R 75	R 75			
	E.R. Reservoir Inter-tie	Eagle River/Chugiak	R 50		R 150		
	Eklutna/Tudor Inter-tie Phase IA/89 Phase IB/90	Muldoon, Campbell Airstrip	R 2,500	R 2,500			
	Eklutna/Tudor Inter-tie Final Design/ Phase II Con.	Muldoon, Campbell Airstrip	R 300		R 3,300		
	Victor Street	Sand Lake	R 50	R 330			
	Jewel Lake Main	Sand Lake		R 250		R 1,900	
	Denali/40th To Tudor	Spenard		R 160			
	War Admiral	Eagle River/Chugiak		R 100	R 400		
Source of Funding:							
G.O. Bonds							
Revenue Bonds							
Operations							
State Grants							
Federal Grants							
Total							
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FUTURE CAPITAL PROJECTS			Budget Year 1989-1993					
Utility <u>Water</u>								
Project Category	Project Title	Location	BUDGET BY YEAR					
			1989	1990	1991	1992	1993	
Transmission (continued)	6th/32nd Avenue Mains	Muldoon		R 100	R 900			
	Terrace Hills	Eagle River/Chugiak		R 100				
	So. Birchwood Loop Mains	Eagle River/Chugiak			R 200	R 500		
	Eagle River Transmission System Intertie	Eagle River/Chugiak		R 300				
	Service High to Spruce/84th	Hillside, Abbott Loop			R 400			
	W. Dimond & Sand Lake Mains	Sand Lake, Campbell Lake-Klatt			R 600	R 1,600		
	Turnagain View East T.M.	Hillside			R 200	R 1,000		
	Misc. New Transmission Mains	Areawide (Anch., E.R.)				R 1,500		
	Bicentennial Park	Campbell Airstrip, Hillside				R 500	R 6,400	
Source of Funding:			G.O. Bonds					
			Revenue Bonds	3,125	4,165	6,400	7,250	6,650
			Operations					
			State Grants					
			Federal Grants					
			Total	3,125	4,165	6,400	7,250	6,650
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Utility <u>Water</u>		FUTURE CAPITAL PROJECTS					Budget Year 1989-1993	
Project Category	Project Title	Location	BUDGET BY YEAR					
			1989	1990	1991	1992	1993	
Distribution	Anticipated Water Improvement Districts (WID's)	Areawide (Anch., E.R.)	R 600 S 400	R 600 S 400	R 843 S 340	R 2,500 S 1,500	R 1,440 S 960	
	Service Connects	Areawide (Anch., (E.R.))	R 350	R 350	R 350	R 350	R 350	
	Crestview Booster Stn.	Eagle River/Chugiak	R 100					
	CPO/Lake Otis	Abbott Loop			R 700			
Source of Funding:								
G.O. Bonds								
Revenue Bonds			1,050	950	1,893	2,850	1,790	
Operations								
State Grants			400	400	340	1,500	960	
Federal Grants								
Total			1,450	1,350	2,233	4,350	2,750	

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FUTURE CAPITAL PROJECTS				Budget Year 1989-1993			
Utility <u>Water</u>			BUDGET BY YEAR				
Project Category	Project Title	Location	1989	1990	1991	1992	1993
Upgrade Transmission	Eagle River Hydrants	Eagle River/Chugiak	R 50	R 150	R 50	R 50	
	Sunny Slopes Phase II	Eagle River/Chugiak			R 840		
Source of Funding: G.O. Bonds Revenue Bonds Operations State Grants Federal Grants Total							
			50	150	890	50	0
			50	150	890	50	0
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FUTURE CAPITAL PROJECTS					Budget Year 1989-1993		
Utility <u>Water</u>							
Project Category	Project Title	Location	BUDGET BY YEAR				
			1989	1990	1991	1992	1993
Repair and Rehabilitation	State DOTPF Highway Related Projects	Areawide (Anch., E.R.)	R 100	R 100	R 100	R 100	R 100
	Municipality of Anch. Road Related Projects	Areawide (Anch., E.R.)	R 100	R 100	R 100	R 100	R 100
	R & R Emergency	Areawide (Anch., (E.R.))	R 100	R 300	R 300	R 300	R 300
	Geneva Woods PRV/R&R	Spenard	R 50				
	"G" Street/9th-11th & 11th East & West of "G"	Inlet View	R 210				
	G/H Alley-10th-11th	Inlet View	R 65				
	"I" Street/10th-12th 12th - 15th	Inlet View Inlet View	R 244	R 358			
	Woodstave Line Replacement	Downtown, Govern-ment Hill		R 400	R 800	R 400	R 400
	Pressure Reducing Vaults R&R	Areawide (Anch., E.R.)		R 230	R 240	R 240	R 250
Source of Funding:							
G.O. Bonds							
Revenue Bonds							
Operations							
State Grants							
Federal Grants							
Total							
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FUTURE CAPITAL PROJECTS							Budget Year	
Utility <u>Water</u>							1989-1993	
Project Category	Project Title	Location	BUDGET BY YEAR					
			1989	1990	1991	1992	1993	
Repair & Rehabilitation (cont'd)	G/H Alley - 11th to 14th & 14th/E to I	Inlet View		R 286				
	Wickersham Subd.	Lake Otis		R 195	R 150	R 150		
	Manor/Harvard Alley between Brown & Erickson Street	Ship Creek			R 247			
	Heritage Estates Reservoir Booster Station	Eagle River/Chugiak			R 100	R 450		
	"K"/13th to 16th	Inlet View				R 169		
Source of Funding:								
G.O. Bonds								
Revenue Bonds			869	1,969	2,037	1,909	1,150	
Operations								
State Grants								
Federal Grants								
Total			869	1,969	2,037	1,909	1,150	
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FUTURE CAPITAL PROJECTS			Budget Year 1989-1993				
Utility <u>Water</u>							
Project Category	Project Title	Location	BUDGET BY YEAR				
			1989	1990	1991	1992	1993
New Equipment	Misc. Equipment	Areawide (Anch., E.R.)	0 300	0 600	0 600	0 600	0 600
	Water Meters	Areawide (Anch., E.R.)	R 325	R 350	R 375	R 400	R 400
	Vehicles	Areawide (Anch., E.R.)	0 200	0 300	0 300	0 300	0 300
	Misc. Computer Software	Areawide (Anch., E.R.)	R 130	R 130	R 130	R 130	R 130
	G.I.S.	Areawide (Anch., E.R.)		R 200	R 100	R 100	R 100
Source of Funding:							
G.O. Bonds							
Revenue Bonds			455	680	605	630	630
Operations			500	900	900	900	900
State Grants							
Federal Grants							
Total			955	1,580	1,505	1,530	1,530

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FUTURE CAPITAL PROJECTS			Budget Year 1989-1993				
Utility <u>Water</u>			BUDGET BY YEAR				
Project Category	Project Title	Location	1989	1990	1991	1992	1993
Buildings	Administration Building Improvements	Spenard	R 80				
	Remodel 3000 Arctic	Spenard		R 1,700			
Source of Funding: G.O. Bonds Revenue Bonds Operations State Grants Federal Grants Total							
			80	1,700			
			80	1,700	0	0	0
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