

# **ANCHORAGE WASTEWATER UTILITY**

MUNICIPALITY OF ANCHORAGE

Utility ANCHORAGE WASTEWATER UTILITY	Division			Budget Year 1988
ANCHORAGE WASTEWATER 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	18,804	22,485	3,681	A
Non-Operating Revenues	<u>5,944</u>	<u>2,456</u>	<u>(3,488)</u>	B
TOTAL REVENUES	24,748	24,941	193	
<u>OPERATING EXPENSES</u>				
Operations	13,978	13,159	(819)	
Depreciation	2,164	2,888	724	
MUSA	<u>2,082</u>	<u>2,749</u>	<u>667</u>	
TOTAL OPERATING EXPENSES	18,224	18,796	572	C
Non-Operating Expenses	7,677	7,688	11	D
Total Expenses	25,901	26,484	583	
Net Income Regulatory	(1,153)	(1,543)	(390)	
Adjustment for GAAP Method	3,342	3,755	413	E
Net Income GAAP	(4,495)	(5,298)	(803)	

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Utility ANCHORAGE WASTEWATER UTILITY	Division	Budget Year 1988
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RECONCILIATION OF 1987 BUDGET TO 1988 BUDGET  
EXPLANATION OF VARIANCE

- A. Reflect rate increase of 24.31% with estimated additional customer loss of 0.5%.
- B. Decrease in interest earnings caused by draw-down of cash balances in construction cash pool.
- C. Increases in MUSA and depreciation expense offset reductions in operations costs. MUSA also adversely affected by increased mill rates without reduced valuation of plant.
- D. Bond sale originally anticipated in 1987 has been delayed until mid-year 1988.
- 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.

Utility ANCHORAGE WASTEWATER UTILITY	Division	Budget Year 1988
<p>ANCHORAGE WASTEWATER UTILITY PROJECTED RATE INCREASES</p> <p><u>1988: 24.31%</u></p> <p>Components: Debt service = 100% or \$7.2 million of revenue deficiency.</p> <p><u>1989: 11.46%</u></p> <p>Components: Debt = 66.67% or \$1.0 million of revenue deficiency. Operations = 33.33% or \$500,000.</p> <p><u>1991: 11.14%</u></p> <p>Components: Debt service = 94.12% or \$3.2 million of revenue deficiency. Operations = 5.88% or \$200,000.</p> <p><u>1992: 8.28%</u></p> <p>Components: Debt service = 81.48% or \$2.2 million of revenue deficiency. Operations = 18.52% or \$500,000.</p>		

Utility ANCHORAGE WASTEWATER UTILITY	Division						Budget Year 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)	30,000	7,379	10,398	11,230	14,061	12,237	
Grants Anticipated (000)	500	400	400	1,400	1,400	1,600	
<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	
<u>Personnel by bargaining unit/classification</u>							
Executive	12						
Non-Rep	66						
AMEA	92						
JCC	142						

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Utility ANCHORAGE WASTEWATER UTILITY	Division			Budget Year 1988
MISCELLANEOUS STATISTICAL DATA				
<u>Wastewater Utility</u>	<u>1985 ACTUAL</u>	<u>1986 ACTUAL</u>	<u>1987 ESTIMATED</u>	<u>1988 ESTIMATED</u>
Number of Customers	43,042	43,865	43,382	43,165
Average Treatment (GPD)				
Anchorage Plant	28,900,000	26,200,000	25,400,000	25,000,000
Eagle River Plant	684,000	852,000	793,000	840,000
Girdwood Plant	323,000	304,300	321,000	324,000
Miles of Wastewater Lines				
Interceptors	30	30	31	32
Trunks	157	159	162	164
Laterals	<u>440</u>	<u>444</u>	<u>454</u>	<u>460</u>
	627	633	647	656

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Utility ANCHORAGE WASTEWATER UTILITY	Division	Budget Year 1988
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1988 Budget Impacts

Operating

1. Cost reduction measures begun in 1987 are being carried over into 1988. All categories of expense will continue to be closely monitored. ASU's participation in the hazardous waste program will have a \$100,000 cost in 1988. Maintenance programs will be delayed, where possible. Health and protection of property will continue to be a priority. Declining revenue caused by current economic conditions may necessitate additional layoff of personnel during the year, over and above the nineteen positions identified in late 1987.

Capital

1. Expansion of the Point Woronzof Treatment Plant will continue during 1988 with the construction phase. This project will increase design capacity from 34 MGD to in excess of 58 MGD.
2. The construction phase of the Eagle River Treatment Plant expansion will begin in 1988. This project will satisfy the wastewater treatment requirements of the Eagle River, Chugiak, and Eklutna communities through the year 2005. The Eagle River-Chugiak-Eklutna Wastewater Facilities Plan projected an increase from the 1983 served population of 4,150 to 43,050 in the year 2005. The existing Eagle River WWTF has sufficient capacity to satisfy the needs of only Eagle River until the year 1987. The 1983 Facilities Plan recommended expansion of the plant in 1986 to satisfy the treatment needs of Eagle River, Chugiak and Eklutna through the year 2005. This additional needed capacity has been confirmed by recent facility planning efforts in the service area. This project has been divided into two phases, one of which will constitute an expansion of the existing treatment facility to accommodate anticipated wastewater flows until the year 1996. A second phase expansion will occur in the year 1996 to accommodate projected wastewater flows until the year 2005. The option of treating additional wastewater flows beyond the year 1996 at a new additional treatment facility or pumping the excess sewage to the Point Woronzof WWTF will be considered prior to proceeding with the Phase II expansion. If the project is not completed in the budget year, growth in the service areas would be inhibited and failing septic systems could create a health hazard. Life expectancy of the buildings is 50 years; process equipment - 20 years. Cost of construction for this project is \$18,900,000.00 with construction costs (including inspection, etc.) \$13,740,600.

Utility ANCHORAGE WASTEWATER UTILITY	Division	Budget Year 1988
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1988 Budget Impacts

Capital (Cont)

3. The C-5-7 Sanitary Sewer Trunk has been delayed until 1991.
4. Middle Fish Creek Trunk rehabilitation cost is \$2,110,000. This portion of the facility parallels Fish Creek from W. 44th Avenue/ARR to Northern Lights Blvd./Willow Street. The existing CMP was installed in the early 1960's. Structural damage to the CMP and manholes is suspected due to the 1964 earthquake and the materials used to construct the facility. Middle Fish Creek Trunk construction has been scheduled in two (2) phases. Phase I in 1989 (\$1,000,000) and Phase II in 1990 (\$1,000,000).



Utility ANCHORAGE WASTEWATER UTILITY	Division		Budget Year 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	21,934,496	21,302,650	24,940,120
Expense	25,988,569	26,776,270	30,239,420
Net Income for Governmental Financial Reporting	(4,054,073)	(5,473,620)	(5,299,300)
Adjustment for Regulatory Reporting	2,992,443	3,247,780	3,755,380
Net Income (Regulatory)	(1,061,630)	(2,225,840)	(1,543,920)
<u>Capital Budget</u>			
Project Category			
° Treatment	7,560,000	12,251,000	1,700,000
° Pump Stations/Force Mains	1,090,000	0	671,000
° Trunks & Interceptors	3,220,000	1,201,000	1,106,000
° Laterals	11,553,000	6,000,000	1,250,000
° Repair & Rehabilitation	1,938,000	6,028,000	1,099,000
° New Equipment	2,589,000	1,286,000	1,115,000
° Buildings	70,000	100,000	120,000
Total	28,020,000	26,866,000	7,061,000

Utility ANCHORAGE WASTEWATER UTILITY	Division		Budget Year 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
<b>STATEMENT OF REVENUE &amp; EXPENSE</b>			
<u>OPERATING REVENUE</u>			
4400 Residential Sales	13,673,955	14,087,120	17,713,190
4420 Commercial Sales	4,004,276	3,689,710	4,177,160
4451 Public Authorities	377,780	322,900	442,140
4540 Miscellaneous Service	12,162	4,390	152,110
Total Operating Revenue	18,068,173	18,104,120	22,484,600
<u>OPERATING EXPENSE</u>			
7000 Collection System	1,740,629	1,925,400	1,864,620
7400 Treatment Plant	5,096,053	4,690,090	4,797,030
7800 Customer Accounts	1,439,103	1,479,550	1,481,590
9300 General & Administrative	4,808,296	4,580,880	5,015,830
4030 Depreciation	1,738,507	2,172,560	2,887,530
4080 Service Assessment Taxes	1,424,184	2,082,430	2,748,950
*Total Operating Expense	16,246,772	16,930,910	18,795,550
Operating Income	1,821,401	1,173,210	3,689,050

Utility ANCHORAGE WASTEWATER UTILITY	Division		Budget Year 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
<b>STATEMENT OF REVENUE &amp; EXPENSE</b>			
<u>NON-OPERATING REVENUE</u>			
4080 Interest & Penalty Assessments	346,889	350,000	350,000
4190 Interest - General Cash Pool	2,721,265	727,630	550,130
4190 Interest - Rest. Construction	982,178	52,040	950
4210 Rental	78,776	20,000	20,000
4290 Amortization of Gain	0	0	0
4190 Interest - Other	0	1,355,650	767,970
4192 AFDC	467,747	693,210	766,470
Total Non-Operating Revenue	4,596,855	3,198,530	2,455,520
<u>NON-OPERATING EXPENSE</u>			
4270 Interest - Long-Term Debt	6,683,841	6,554,590	7,650,890
4271 Interest - Other	42,161	17,990	12,600
4310 Amortization - Debt Expense	23,352	25,000	25,000
Total Non-Operating Expense	6,749,354	6,597,580	7,688,490
Non-Operating Income	(2,152,499)	(3,399,050)	(5,232,970)
Refunding	(730,532)		
Net Income	(1,061,630)	(2,225,840)	(1,543,920)
Net Income Regulatory	(1,061,630)	(2,225,840)	(1,543,920)
Less: 4031 - Depreciation of Contributed plant	2,992,443	3,247,780	3,755,380
Net Income For Governmental Financial Reporting	(4,054,073)	(5,473,620)	(5,299,300)

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Utility ANCHORAGE WASTEWATER UTILITY	Division		Budget Year 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
<b>STATEMENT OF SOURCES AND USES OF CASH FUNDS</b>			
<b>SOURCES OF CASH FUNDS:</b>			
Net Income (Loss)	\$ (4,054,073)	\$ (5,473,620)	\$ (5,299,300)
Depreciation	4,730,950	5,420,340	6,642,910
Bond Proceeds	17,000,000	0	30,000,000
Grants	12,177,864	14,639,426	3,493,981
Assessments	1,823,508	1,752,026	2,100,000
Other	<u>1,001,087</u>	<u>0</u>	<u>0</u>
<b>Total Sources of Cash Funds</b>	<b><u>\$ 32,679,336</u></b>	<b><u>\$ 16,338,172</u></b>	<b><u>\$ 36,937,591</u></b>
<b>USES OF CASH FUNDS:</b>			
Additions to Plant	27,209,820	40,959,325	34,402,701
Bond Principal Payment	3,982,402	4,750,394	5,145,811
Other	<u>736,369</u>	<u>642,727</u>	<u>250,154</u>
<b>Total Uses of Cash Funds</b>	<b><u>31,928,591</u></b>	<b><u>46,352,446</u></b>	<b><u>39,798,666</u></b>
Net Increase (Decrease) in Cash Funds	<u>750,745</u>	<u>(30,014,274)</u>	<u>(2,861,075)</u>
Cash Balance January 1,	<u>48,444,335</u>	<u>49,195,080</u>	<u>19,180,806</u>
Cash Balance December 31,	<b><u>\$ 49,195,080</u></b>	<b><u>\$ 19,180,806</u></b>	<b><u>\$ 16,319,731</u></b>
<b>DETAIL OF CASH BALANCE:</b>			
Equity in General Cash Pool	\$ 15,420,021	\$ 9,523,287	\$ 6,955,376
Equity in Construction Cash Pool	33,775,059	9,657,519	9,364,355
Revenue Bond Reserve Cash	<u>0</u>	<u>0</u>	<u>0</u>
<b>Total Cash Balance December 31,</b>	<b><u>\$ 49,195,080</u></b>	<b><u>\$ 19,180,806</u></b>	<b><u>\$ 16,319,731</u></b>

Utility ANCHORAGE WASTEWATER UTILITY	Division		Budget Year 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
<b>STATEMENT OF CHANGES IN FUND EQUITY</b>			
Balance January 1,	\$147,570,400	\$167,236,317	\$176,402,123
Net Income (Loss)	(4,054,073)	(5,473,620)	(5,299,300)
Contributions Received	23,719,990	14,639,426	3,493,981
Deduct Residual Transfers	<u>0</u>	<u>0</u>	<u>0</u>
Balance December 31,	<u>\$167,236,317</u>	<u>\$176,402,123</u>	<u>\$174,596,804</u>
Detail of Fund Equity:			
Retained Earnings	3,142,245	916,405	(627,515)
Contributed Capital	<u>164,094,072</u>	<u>175,485,718</u>	<u>175,224,319</u>
Total Fund Equity December 31,	<u>\$167,236,317</u>	<u>\$176,402,123</u>	<u>\$174,596,804</u>

Municipality of Anchorage

Utility ANCHORAGE WASTEWATER UTILITY	Division		Budget Year 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	(4,054,070)	(5,473,620)	(5,299,300)
Operating Revenues	18,068,170	18,104,120	22,484,600
Net Profit Margin Governmental Reporting	(22.44)%	(30.23)%	(23.57)%
Net Income Regulatory	(1,061,630)	(2,225,840)	(1,543,920)
Operating Revenues	18,068,170	18,104,120	22,484,600
Net Profit Margin Regulatory	(5.88)%	(12.29)%	(6.87)%

MUNICIPALITY OF ANCHORAGE

Utility ANCHORAGE WASTEWATER UTILITY	Division			Budget Year 1988
ANCHORAGE WASTEWATER UTILITY OPERATING BUDGET				
<u>EXPENSE ITEMS</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>
Personnel Costs	4,938,680	5,416,298	5,449,309	5,076,604
Benefit Costs	2,252,700	2,525,721	2,577,680	2,526,126
Professional Services	220,412	342,538	657,905	592,115
Travel	25,044	24,677	5,016	5,517
Depreciation & Amortization	6,313,040	4,730,950	5,420,340	6,642,910
Interest	5,941,789	6,749,354	6,597,580	7,688,490
MUSA	0	1,424,184	2,082,430	2,748,950
<b>SUBTOTAL</b>	<u>19,691,665</u>	<u>21,213,722</u>	<u>22,790,260</u>	<u>25,280,712</u>
<b>Intergovernmental Charges</b>				
Finance Department	316,128	307,588	325,850	366,130
Information Systems Department	0	38,516	131,229	43,330
Public Utilities Administration	122,965	118,062	158,140	0
Public Utilities Customer Service	86,650	83,357	66,772	0
Public Utilities Credit & Collections	405,013	400,807	64,490	0
Human Resources Department	46,354	47,875	107,064	105,280
Other Intergovernmental Charges	564,326	354,915	229,965	300,460
<b>Sub Total IGC</b>	<u>1,541,436</u>	<u>1,351,120</u>	<u>1,083,510</u>	<u>815,200</u>
Purchased Utilities	646,323	868,859	1,008,031	1,108,835
Materials/Repairs/Supplies	639,614	677,370	430,325	473,358
Other Expenses	<u>1,670,125</u>	<u>1,877,498</u>	<u>1,464,144</u>	<u>2,561,315</u>
<b>TOTAL EXPENSES</b>	<u><u>24,189,163</u></u>	<u><u>25,988,569</u></u>	<u><u>26,776,270</u></u>	<u><u>30,239,420</u></u>

MUNICIPALITY OF ANCHORAGE

Utility Anchorage Wastewater Utility	Division	Budget Year 1988
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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>
Treatment	1,700	0	1,700	0	0	0
Pump Stations & Force Mains	671	0	671	0	0	0
Trunks & Interceptors	1,106	0	1,106	0	0	0
Laterals	1,250	0	750	0	500	0
Repair/Rehabilitation	1,099	0	1,099	0	0	0
New Equipment	1,115	0	500	615	0	0
<u>Buildings</u>	<u>120</u>	<u>0</u>	<u>120</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total (000)	7,061	0	5,946	615	500	0



BUDGET YEAR PROJECTS						Budget Year
Utility <u>Wastewater</u>						1988
Project Category	Project Title	Location	Funding			
			Bonds G-GO Bonds R-Rev Bonds	Operations	Grants F-Federal S-State	Total
Treatment	#1 Incinerator Upgrade	Areawide	G 100			100
	Girdwood WWTF Upgrade	Turnagain Arm/ Girdwood	G 1,600			1,600
Prepared by <u>Sharon L. Roberts</u> Date <u>06-23-87</u> Total			G 1,700 R		F S	1,700

Utility <u>Wastewater</u>		BUDGET YEAR PROJECTS				Budget Year 1988
Project Category	Project Title	Location	Funding			Total
			Bonds G-GO Bonds R-Rev Bonds	Operations	Grants F-Federal S-State	
Pump Stations and Force Mains	Hiland Dr. Pump Station	Eagle River/	G 300			300
	Hiland Dr. Force Main	Eagle River/ Chugiak	G 185			185
	GA-2-4 Force Main & Pump Station (Const.)	Turnagain Arm/ Girdwood	G 186			186
Prepared by <u>Sharon L. Roberts</u> Date <u>06-23-87</u> Total			G 671 R		F S	671

BUDGET YEAR PROJECTS						Budget Year 1988
Utility <u>Wastewater</u>						
Project Category	Project Title	Location	Funding			
			Bonds G-GO Bonds R-Rev Bonds	Operations	Grants F-Federal S-State	Total
Trunks & Inter- ceptors	Private Development Oversizing	Areawide	G 50			50
	A-4(B) Trunk	Campbell-Taku	G 861			861
	Hiland Dr. Inter- ceptor	Eagle River/ Chugiak	G 160			160
	GA-2-F Trunk	Turnagain Arm/ Girdwood	G 35			35
Prepared by <u>Sharon L. Roberts</u> Date <u>06-23-87</u>			G		F	
Total			1,106 R		S	1,106

BUDGET YEAR PROJECTS						Budget Year 1988	
Utility <u>Wastewater</u>			Funding				
Project Category	Project Title	Location	Bonds		Operations	Grants F-Federal S-State	Total
			G-GO Bonds	R-Rev Bonds			
Laterals	Anticipated LIDs	Areawide	G 600			S 400	1,000
	CPO/Lake Otis	Abbott Loop	G 150			S 100	250
Prepared by <u>Sharon L. Roberts</u> Date <u>06-23-87</u>			750 G			F	
Total				R		500 S	1,250

BUDGET YEAR PROJECTS						Budget Year
Utility <u>Wastewater</u>						1988
Project Category	Project Title	Location	Funding			
			Bonds G-GO Bonds R-Rev Bonds	Operations	Grants F-Federal S-State	Total
Repair & Rehabilitation	ADOTPF Related Replacement/Upgrade	Areawide	G 100			100
	MOA Related Spenard Road Improvements	Spenard	G 60			60
	Government Hill School	Government Hill	G 60			60
	North Star Subd.	Spenard	G 284			284
	B-5(G) Trunk Ph. I	Inlet View	G 432			432
	B-5(H) Trunk (D/C)	Inlet View	G 163			163
Prepared by <u>Sharon L. Roberts</u> Date <u>06-23-87</u> Total			1,099 G R		F S	1,099

BUDGET YEAR PROJECTS						Budget Year	
Utility <u>Wastewater</u>						1988	
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		0 300		300	
	Communication	Areawide		0 15		15	
	Vehicles	Areawide		0 200		200	
	GIS	Areawide	G 100			100	
	Facility R&R	Anchorage Eagle River Girdwood			0 50		50
					0 35		35
					0 15		15
	Misc. Computer Software	Areawide	G 130			130	
SAM	Areawide	G 20			20		
Financial Accounting System	Areawide	G 250			250		
Prepared by <u>Sharon L. Roberts</u> Date <u>06-23-87</u>			500 G	615	F		
Total			R		S	1,115	

BUDGET YEAR PROJECTS						Budget Year
Utility <u>Wastewater</u>						1988
Project Category	Project Title	Location	Funding			
			Bonds G-GO Bonds R-Rev Bonds	Operations	Grants F-Federal S-State	Total
Buildings	Eagle River Maintenance Facility	Eagle River/ Chugiak	G 100			100
	Pt. Woronzof Tile Floors	Int'l Airport	G 20			20
Prepared by <u>Sharon L. Roberts</u> Date <u>06-23-87</u>			120 G		F	
Total			R		S	120

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Utility		Division						Budget Year				
Anchorage Wastewater 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
Treatment	1,700	1,600	500	1,440	7,800	0	0	13,040	0	0	0	13,040
Pump Stations/F.M.	671	0	1,455	0	0	0	0	2,126	0	0	0	2,126
Trunks & Interceptors	1,106	230	1,259	2,416	2,681	8,216	0	15,908	0	0	0	15,908
Laterals	1,250	1,400	1,400	3,835	3,500	4,000	0	9,685	0	5,700	0	15,385
Repair & Rehabilitation	1,099	4,254	5,169	4,641	1,217	1,343	0	17,723	0	0	0	17,723
New Equipment	1,115	895	1,130	1,128	1,128	1,128	0	1,834	4,690	0	0	6,524
Buildings	120	15	750	35	0	15	0	935	0	0	0	935
Total Program	7,061	8,394	11,663	13,495	16,326	14,702	0	61,251	4,690	5,700	0	71,641
<u>SOURCE OF FUNDING</u>												
Revenue Bonds	0	0	0	0	0	0	0					0
G.O. Bonds	5,946	7,379	10,398	11,230	14,061	12,237		61,251				61,251
Operational	615	615	865	865	865	865			4,690			4,690
State Grant	500	400	400	1,400	1,400	1,600				5,700		5,700
Federal Grant	0	0	0	0	0	0					0	0
Total Funding	7,061	8,394	11,663	13,495	16,326	14,702						71,641



FUTURE CAPITAL PROJECTS				Budget Year			
Utility <u>Wastewater</u>					1989-1993		
Project Category	Project Title	Location	BUDGET BY YEAR				
			1989	1990	1991	1992	1993
Treatment	Girdwood WWTF Upgrade	Turnagain Arm/ Girdwood	G 1,600				
	#1 Incinerator Upgrade	Areawide (Anch.)		G 500			
	Mixed Media Rehab.	Turnagain Arm/ Girdwood			G 80		
	Standby Generator Rehab.	Turnagain Arm/ Girdwood			G 60		
	Girdwood WWTF Expan.	Turnagain Arm/ Girdwood			G 1,000	G 7,500	
	Sewer Master Plan Update	Anchorage			G 300		
	Facility Plan Update	Eagle River/Chugiak				G 200	
	Girdwood Sewer Master Plan Update	Turnagain Arm/ Girdwood				G 100	
Source of Funding:			1,600	500	1,440	7,800	0
G.O. Bonds							
Revenue Bonds							
Operations							
State Grants							
Federal Grants							
Total			1,600	500	1,440	7,800	0

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FUTURE CAPITAL PROJECTS			Budget Year				
Utility <u>Wastewater</u>			1989-1993				
Project Category	Project Title	Location	BUDGET BY YEAR				
			1989	1990	1991	1992	1993
Pump Stations and Force Mains	Hiland Drive Pump Station	Eagle River/Chugiak		G 900			
	Hiland Drive Force Main	Eagle River/Chugiak		G 555			
Source of Funding:							
G.O. Bonds			0	1,455	0	0	0
Revenue Bonds							
Operations							
State Grants							
Federal Grants							
Total			0	1,455	0	0	0
Prepared by <u>Sharon L. Roberts</u> Date <u>06-23-87</u>							

Utility <u>Wastewater</u>			FUTURE CAPITAL PROJECTS					Budget Year 1989-1993	
Project Category	Project Title	Location	BUDGET BY YEAR						
			1989	1990	1991	1992	1993		
Trunks & Interceptors	Private Development Oversizing	Areawide	G 50	G 75	G 400	G 400	G 400		
	GA-2-F Trunk	Turnagain Arm/Girdwood	G 180						
	B(I) Trunk	Turnagain		G 420					
	B-1-4(B) Trunk	Lake Otis, Spenard		G 200	G 800				
	G2-G, G2-H Trunks	Turnagain Arm/Girdwood		G 27	G 307				
	C-6 Trunk	Campbell Lake/Klatt		G 57	G 753				
	Hiland Drive Interceptor	Eagle River/Chugiak		G 480					
	G9-C, E Trunks	Turnagain Arm/Girdwood			G 50	G 333			
	ADOTPF Related Project-D-6(B) Trunk	Campbell-Taku			G 57	G 380			
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>Wastewater</u>							
Project Category	Project Title	Location	BUDGET BY YEAR				
			1989	1990	1991	1992	1993
Trunks & Interceptors (cont'd)	ADOTPF Related Project - A-6 Trunk	Campbell-Taku			G 25	G 164	
	D-2-7 Trunk	Muldoon			G 24	G 274	
	TID 23	Sand Lake, Campbell Lake, Klatt				G 500	G 4,040
	G4-A(1), G4-B, G3-C Trunks	Turnagain Arm/Girdwood				G 49	G 317
	C-7 Trunk	Campbell Lake/Klatt				G 51	G 969
	B-5-7(C) Trunk	Mt. View/Merrill Field				G 100	G 1,200
	Parkview Trunk	Eagle River/Chugiak				G 430	G 1,290
Source of Funding:							
G.O. Bonds			230	1,259	2,416	2,681	8,216
Revenue Bonds							
Operations							
State Grants							
Federal Grants							
Total			230	1,259	2,416	2,681	8,216

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FUTURE CAPITAL PROJECTS				Budget Year				
Utility <u>Wastewater</u>					1989-1993			
Project Category	Project Title	Location	BUDGET BY YEAR					
			1989	1990	1991	1992	1993	
Laterals	Anticipated LIDs	Areawide	G 1,000 S 400	G 1,000 S 400	G 2,100 S 1,400	G 2,100 S 1,400	G 2,400 S 1,600	
	CPO/Lake Otis	Abbott Loop			G 335			
Source of Funding:			G.O. Bonds	1,000	1,000	2,435	2,100	2,400
			Revenue Bonds					
			Operations					
			State Grants	400	400	1,400	1,400	1,600
			Federal Grants					
Prepared by <u>Sharon L. Roberts</u> Date <u>06-23-87</u>			Total	1,400	1,400	3,835	3,500	4,000

FUTURE CAPITAL PROJECTS			Budget Year				
Utility <u>Wastewater</u>			1989-1993				
Project Category	Project Title	Location	BUDGET BY YEAR				
			1989	1990	1991	1992	1993
Repair & Rehabilitation	MOA Road Related Projects	Areawide	G 100	G 100	G 100	G 100	G 100
	ADOTPF Related Replacement/Upgrade	Areawide	G 100	G 100	G 100	G 100	G 100
	North Star Subd.	Spenard	G 203				
	R&R Chester Creek	Inlet View, Turnagain	G 100	G 700			
	Alaska Industrial (E. 4th & Chipperfield)	Merrill Field	G 313				
	"F" St./2nd - 3rd	Downtown	G 38				
	C-5 Campbell Creek Trunk Reline - Phase I	Campbell-Taku, Sand Lake, Campbell Lake-Klatt	G 2,400	G 2,400			
	Middle Fish Creek Phase I (Const.)	Spenard, Turnagain	G 1,000	G 1,000			
	V.C. Line Replacement	Downtown		G 400	G 400	G 400	G 500
Source of Funding:							
G.O. Bonds							
Revenue Bonds							
Operations							
State Grants							
Federal Grants							
Total							
Prepared by	Sharon L. Roberts	Date	06-23-87				

FUTURE CAPITAL PROJECTS				Budget Year				
Utility <u>Wastewater</u>					1989-1993			
Project Category	Project Title	Location	BUDGET BY YEAR					
			1989	1990	1991	1992	1993	
Repair & Rehabilitation (continued)	Government Hill R&R	Government Hill		G 36				
	B-6(E) Trunk	Inlet View		G 133	G 1,015			
	B-5(G) Phase II	Inlet View		G 300	G 1,227			
	ADOTPF Related Project-C-2(B)	Sand Lake			G 49	G 328		
	C-5-7 Trunk	Campbell Lake/Klatt			G 1,750			
	B-12 Trunk	Mt. View				G 49	G 643	
	Treatment Plant Inflow Interceptor Line	Eagle River/Chugiak				G 240		
Source of Funding:			G.O. Bonds	4,254	5,169	4,641	1,217	1,343
			Revenue Bonds					
			Operations					
			State Grants					
			Federal Grants					
Prepared by <u>Sharon L. Roberts</u> Date <u>06-23-87</u>			Total	4,254	5,169	4,641	1,217	1,343

FUTURE CAPITAL PROJECTS										Budget Year			
Utility <u>Wastewater</u>										1989-1993			
Project Category	Project Title	Location	BUDGET BY YEAR										
			1989	1990	1991	1992	1993						
New Equipment	Misc. Equipment	Areawide	0	300	0	450	0	450	0	450	0	450	
	Communication	Areawide	0	15	0	15	0	15	0	15	0	15	
	Vehicles	Areawide	0	200	0	300	0	300	0	300	0	300	
	Graphics Information System (GIS)	Areawide	G	135	G	125	G	125	G	125	G	125	
	Facility R&R	Anchorage Eagle River Girdwood	Anchorage	0	50	0	50	0	50	0	50	0	50
			Eagle River	0	35	0	35	0	35	0	35	0	35
			Girdwood	0	15	0	15	0	15	0	15	0	15
	Miscellaneous Computer Software	Areawide	G	130	G	130	G	130	G	130	G	130	
SAM Programming	Areawide	G	15	G	10	G	8	G	8	G	8		
Source of Funding:			G.O. Bonds	280	265	263	263	263					
			Revenue Bonds										
			Operations	615	865	865	865	865					
			State Grants										
			Federal Grants										
Prepared by <u>Sharon L. Roberts</u> Date <u>06-23-87</u>			Total	895	1,130	1,128	1,128	1,128			1,128		



Utility <u>Wastewater</u>		FUTURE CAPITAL PROJECTS					Budget Year 1989-1993	
Project Category	Project Title	Location	BUDGET BY YEAR					
			1989	1990	1991	1992	1993	
Buildings	Reseal Roof	Eagle River/Chugiak	G 15					
	O&M Building	Campbell-Taku		G 750				
	Seal Roofs	Int'l Airport			G 35			
	Seal Roofs	Turnagain Arm/ Girdwood					G 15	
Source of Funding:								
G.O. Bonds			15	750	35	0	15	
Revenue Bonds								
Operations								
State Grants								
Federal Grants								
Total			15	750	35	0	15	

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