#### MUNICIPALITY OF ANCHORAGE — UCIP - 1 UTILITY CAPITAL NEEDS ANALYSIS

Department
Municipal Utilities
rogram Category
Anchorage Water Utility

#### POLICY GOALS

The primary goal of the Water Utility is to provide quality water to all existing and new customers for domestic, commercial, industrial, and fire protection needs within the service area certified to the Water Utility by the Alaska Public Utilities Commission.

#### SIX-YEAR DEPARTMENT GOALS AND STRATEGY

The Water Utility will emphasize expanding existing sources of water supply and storage and maximizing accountability and efficiency of the existing system and resources during this period. To accomplish this objective, the Water Utility proposes the construction of additional wells, treated water storage, expansion of the Water Treatment Plant, and optimum use of existing operational resources and activities by computerized mechanization of routine work functions. With Assembly approval of the Metropolitan Anchorage Urban Study the Water Utility will also strive for implementation of a Municipal Water Development Agency to coordinate use and development of all Anchorage water resources.

#### MUNICIPALITY OF ANCHORAGE — UCIP - 2 EXISTING CAPITAL BUDGET SUMMARY

Department
MUNICIPAL UTILITIES

Project Category
WATER UTILITY - RESOURCE DEVELOPMENT

			E	XISTING CAPITAL IMPROVEMENT BUDGET
	PROJECT TITLE	Original CIB Cost Est.	EXPLANATION/STATUS	
1.	Production Well/House/ Site	615	615	Design is underway. Construction delayed until late 1981 pending fund availability.
2.	Test Wells	130	130	To be designed and constructed in Fall of 1981 pending bond fund availability.
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				·

DEPARTMENT-UTILITY: WATER UTILITY	=========		CT CATEGOR	TETRETERS	alemanana Kalemanana	menenenen	- 供表记者 成本知志 经基	***	
		THOUSANDS OF DOLLARS						FRIOR	TOTAL
	1981	1982	1983	1984	1985	1986	PROJECT COST	YEARS APPROP	PROJECT COST
CAPITAL INVESTMENT COSTS		Mali man ann apar phan ann Ion ann ann ann agus		<del></del>	· The file has the sale in the sale and all		ah alah halih seri dari masi ibir seri isasi sasi dipal		10 W 40 - 44
PLANNING AND DESIGN	0	51	75	56	<i>7</i> 5	17	284		
LAND AND R.O.W.	0	27	40	38	42	9	156		
CONSTRUCTION	0	459	673	611	673	139	2,555		
EQUIPMENT	0	0	0	0	0	0	0		
INTERFUND CHARGES	0	6	10	10	12	2	40		
OTHER	0	67	92	80	88	23	350		
TOTAL	0	610	890	805	890	190	3,385	0	3,385
The state of the s							TOTAL	REIMBUR	NON-RE
OURCE OF FUNDS							FUNDS	SABLES	BURSAB
G.O. BONDS AUTH									5.1.1.1.1
G.O. BONDS UNAUTH.	0	0	0	0	0	0	0	0	
REVENUE BONDS	0	366	534	483	534	114	2,031		
FEDERAL GRANT	0	0	0	0	0	0	0	0	
STATE GRANT	0	244	356	322	356	76	1,354	1,354	
CONTRIBUTIONS	0	0	0	0	0	0	0	•	
OPERATING REV	0	0	0	0	O	0	0		
OTHER	0	0	0	0	0	0	0		
TOTAL	0	610	890	805	890	190	3,385	1,354	2,031

Department MUNICIPAL UTILITIES	MUNICIPAL UTILITIES				Account Code 541-8006-8800					
Program Category ANCHORAGE WATER UTILIT	Y			Project Category RESOURCE DEVELOPMENT						
	TOTAL PRO			DIECT COST		1	BONDS OTHER	OTHER	STATE OR FEDERAL	
PROJECT TITLE	1981	1982	1983	1984	1985	1986	IX REV	LOCAL	FUNDS	
	THOUSANDS OF DOLLARS									
1. Well No. 14		450					270		180	
2. Production Well/House/Site			725	805	890		1,452		968	
3. Test Wells		160	165			190	309		206	
					,			*		
								-		
			·	-						
				,						
TOTALS	, , , , , , , , , , , , , , , , , , ,	610	890	805	890	190	2031		1354	

	CAPITAL INIPROVEMENT PRO		PAGEJIU					
Department Municipal Utilities		Account Code 541-8006-8800						
Program Category Anchorage Water Util	İty	Project Category Resource Development						
PROJECT TITLE	SUMMARY OF PROJECT SCOPE							
1. Well No. 14	production capabilities to	ation of Anchorage, the Water Utility must in keep up with the user demand. Final site so 1980-81 Test Well programs.						
2. Production Well/House/Site	production capabilities to	ation of Anchorage, the Water Utility must in keep up with the user demand. Final site so 1982-83 Test Well programs.						
3. Test Wells		locate production quantities of water prior nstructing large production wells.	to expending					
3 3 4 5 1 1 1 1								

### MUNICIPALITY OF ANCHORAGE — UCIP - 2 EXISTING CAPITAL BUDGET SUMMARY

Department
MUNICIPAL UTILITIES
Project Category
WATER UTILITY - TREATMENT

		E	XISTING CAPITAL IMPROVEMENT BUDGET							
PROJECT TITLE	Original CIB Cost Est.	Total Current Funding	EXPLANATION/STATUS							
. Ship Creek Treatment Plant	5,595	5,595	Design by A/E Consultant underway with completion in 1981.  Construction to commence in 1981 with completion in 1982 pending fund availability.							

DEPARTHENT-UTILITY: WATER UTILITY		PROJE	CT CATEGOR	Y: TREATM	ENT				
	THOUSANDS OF DOLLARS						FUTURE PROJECT		TOTAL
	1981	1982	1983	1984	1985	1986	COST	T YEARS APPROP	PROJECT COST
CAPITAL INVESTMENT COSTS			, en en en en en en en en en				Part Sim this Saw day again yay agai ng	*** 1 1	THE THE STATE AND THE THE THE STATE
PLANNING AND DESIGN	7	5	12	6	16	7	53		
LAND AND R.O.W.	0	0	0	Ō	o	0	0		
CONSTRUCTION	66	43	90	52	113	66	430		
EQUIPHENT	0	0	0	0	0	0	0		
INTERFUND CHARGES	. 2	1	4	1	5	2	15		
OTHER	10	6	14	8	16	10	64		
TOTAL	85	55	120	67	150	85	562	0	562
			.=======		22020222		TOTAL	REIMBUR	NON-RE1
BOURCE OF FUNDS							FUNDS	SABLES	BURSABL
G.O. BONDS AUTH							1 51150	DITELLE	PONGREE
G.O. BONDS UNAUTH.	0	0	0	0	0	0	0	. 0	
REVENUE BONDS	21	0	36	0	45	0	102	v	
FEDERAL GRANT	0	0	0	0	0	ō	0	0	
STATE GRANT	14	0	24	0	30	0	68	68	
CONTRIBUTIONS	0	0	0	0	0	ő	. 00	<b>G</b> 1.3	
OPERATING REV	50	55	60	67	75	85	392		
OTHER	0	0	0	0	0	0	0		
TOTAL	85	55	120	67	150	85	562	68	494

	MUNICIPAL UTILITIES						Account Code 541-8006-8800				
Program Category ANCHORAGE WATER 1	UTILITY			Project Categ	ory TREATME	NT					
	1001	3000		DJECT COST	1000	7,006	BONDS G.O.	OTHER LOCAL	STATE OR FEDERAL FUNDS		
PROJECT TITLE	1981	1982	1983	1984	1985	1986	X REV	LOCAL	FUNDS		
				THOUS	SANDS OF DO	LLARS			T		
1. Telemetering	35		60		75		102		68		
2. Upgrade Treatment	50	55	60	67	75	85		392			
					,						
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									ļ		
									· :		
TOTALS	85	55	120	67	150	85	102	392	68		

#### MUNICIPALITY OF ANCHORAGE - UCIP - 5 CAPITAL IMPROVEMENT PROJECT SCOPE SUMMARY

	CAFTI AL IMPROVEMI	ENT PROJECT SCOPE SUMMARY	PAGE 314							
Department Municipal Utilities		Account Code 541-8006-8800								
Program Category Anchorage Water Util	ity	Project Category Treatment								
PROJECT TITLE		SUMMARY OF PROJECT SCOPE								
1. Telemetering	This project will valves, and other	ect will reduce the time necessary for operation and monitoring wells, and other facilities which must be operated manually at present.								
2. Upgrade Treatment	treatment of water and sedimentation	This project is for the upgrade and rehabilitation of equipment necessary for the treatment of water. The upgrade will provide such things as improved flocculation and sedimentation equipment and the protection of electrical equipment and instrumentation from power fluctuations.								

## MUNICIPALITY OF ANCHORAGE — UCIP - 2 EXISTING CAPITAL BUDGET SUMMARY

Department
MUNICIPAL UTILITIES
Project Category
WATER UTILITY - DISTRIBUTION RESERVOIRS

			Ε	XISTING CAPITAL IMPROVEMENT BUDGET
-	PROJECT TITLE	Original CIB Cost Est.	Total Current Funding	EXPLANATION/STATUS
1.	Miscellaneous Distri- bution Reservoirs	1,330	1,330	Delayed. Design by A/E Consultant and construction in 1982 pending bond fund availability.
miner distribution of the control of				
		and the same of th		

DEPARTMENT-UTILITY: WATER UTILITY	<b></b>	PROJ	ECT CATEGO	RY: DISTR	IBUTION RES	ERVOIRS			
		THO	USANDS OF	DOLLARS			FUTURE	PRIOR	TOTAL
	1981	1982	1983	1984	1985	1986	PROJECT COST	YEARS APPROP	PROJECT COST
CAPITAL INVESTMENT COSTS		***************************************	****				gen and had said little fire day was little have you	from one term may been may used that may were	
PLANNING AND DESIGN	0	54	42	60	0	75	231		
LAND AND R.O.W.	0	0	0	0	ō	0	0		
CONSTRUCTION	0	2,304	1,990	2,909	3,461	ō	10,664		
EQUIPMENT	0	Ô	, O	0	0	ō	0		
INTERFUND CHARGES	0	24	19	30	38	Ö	111		
OTHER	0	253	199	291	346	0	1,089		
TOTAL	0	2,635	2,250	3,290	3,845	75	12,095	0	12,095
							TOTAL	REIMBUR	NON-REI
OURCE OF FUNDS							FUNDS	SADLES	BURSABL
G.O. BONDS AUTH							, 01120	0112660	DOMONDI
G.O. BONDS UNAUTH.	0	0	0	0	0	Ō	0	0	
REVENUE BONDS	0	1,581	1,350	1,974	2,307	45	7,257	v	
FEDERAL GRANT	0	. 0	. 0	0	0	0	0	0	
STATE GRANT	0	1,054	900	1,316	1,538	30	4,838	4,838	
CONTRIBUTIONS	0	0	0	Ó	0	0	0	.,	
OPERATING REV	0	0	0	0	0	Ō	Q		
OTHER	0	0	0	0	0	0	0		
TOTAL	0	2,635	2,250	3,290	3,845	75	12,095	4,838	7,257

Department MUNICIPAL UTILITIES		MUNICIPAL UTILITIES					Account Code 541-8006-8800					
Program Category ANCHORAGE WATER UTILIT	Y			Project Category DISTRIBUTION RESERVOIRS								
		1	TOTAL PRO	OJECT COST		1	BONDS G.O.	OTHER	STATE OR FEDERAL FUNDS			
PROJECT TITLE	1981	1982	1983	1984	1985	1986	X REV	LOCAL				
	THOUSANDS OF DOLLARS											
l. Miscellaneous Distribution Reservoirs		2,635	2,250	3,290	3,845	75	7,257		4,838			
			ą.									
				٠								
			,	de description de des								
		Control of the Contro										
	- <del> </del>					,						
TOTALS		2,635	2,250	3,290	3,845	75	7,257		4,838			

	CAPITAL IMPROVEMENT PROJECT SCOPE SUMMARY	PAGE 318
Department Municipal Utilities	Account Code 541-8006-8800	
Program Category Anchorage Water Utility	Project Category Distribution Res	ervoirs
PROJECT TITLE	SUMMARY OF PROJECT SCOPE	
l. Miscellaneous Distribution Reservoirs	Projects will increase availability of treated water du outages, fires, hot weather and other emergencies due t by a constantly increasing population. Design only in	o increased demand caused
	•	

#### MUNICIPALITY OF ANCHORAGE — UCIP - 2 EXISTING CAPITAL BUDGET SUMMARY

Department
MUNICIPAL UTILITIES
Project Category
WATER UTILITY - TRANSMISSION

PROJECT TITLE	CIB Cost Est.	Total Current Funding	EXPLANATION/STATUS
Private Development Oversizing	35	35	Project constructed by private developers to provide water to newly developed areas.
76th Avenue 16-Inch Lake Otis to Hartzell	285	285	Design complete. Construction delayed until 1981 pending bond fund availability.
68th Avenue 16-Inch Lake Otis to Abbott Loop	565	565	Pre-design survey complete. Design and construction delayed until 1981 pending bond fund availability.
	Oversizing  76th Avenue 16-Inch Lake Otis to Hartzell  68th Avenue 16-Inch Lake Otis to Abbott	Private Development Oversizing 35  76th Avenue 16-Inch Lake Otis to Hartzell 285  68th Avenue 16-Inch Lake Otis to Abbott	Private Development Oversizing 35 35  76th Avenue 16-Inch Lake Otis to Hartzell 285 285  68th Avenue 16-Inch Lake Otis to Abbott

		THO	USANDS OF D	OLLARS			FUTURE	PRIOR	TOTAL PROJECT COST
	1981	1982	1983	1984	1985	1986	FROJECT COST	YEARS APPROP	
CAPITAL INVESTMENT COSTS			··· ·· · · · · · · · · · · · · · · · ·			* # # Br # Br # La		the real flows many starts days from their types given a per-	
FLANNING AND DESIGN	16	92	69	27	18	58	280		
LAND AND R.O.W.	2	16	9	7	3	14	51		
CONSTRUCTION	243	1,836	1,242	412	277	870	4,880		
EQUIPMENT	0	Ö	0	0	0	0	0		
INTERFUND CHARGES	7	68	18	6	4	19	122		
OTHER	82	208	202	88	88	139	787		
TOTAL	350	2,220	1,540	540	370	1,100	6,120	0	6,120
			~~~~~~~~				TOTAL	REIMBUR	NON-REI
SOURCE OF FUNDS							FUNDS	SABLES	BURSABL
G.O. BONDS AUTH									
G.O. BONDS UNAUTH.	0	0	0	0	0	0	0	0	
REVENUE BONDS	230	1,348	975	336	234	672	3,795		
FEDERAL GRANT	0	0	0	0	0	0	0	0	
STATE GRANT	120	872	565	204	136	428	2,325	2,325	
CONTRIBUTIONS	0	0	0	0	0	O	Ö	•	
OPERATING REV	0	0	0	0	0	0	0		
OTHER	0	0	0	0	0	0	0		
TOTAL	350	2,220	1,540	540	370	1,100	6,120	2,325	3,795

Department MUNICIPAL UTILITIES				Account Code	541	-8006-880	0		J44
Program Category ANCHORAGE WATER UTII	.ITY			Project Categ	TRA	NSMISSION			
			T	OJECT COST			BONDS G.O.	OTHER	STATE OF
PROJECT TITLE	1981	1982	1983	1984	1985	1986	⊠ REV	LOCAL	FUNDS
				THOUS	ANDS OF DO	LLARS		1	·
1. Dowling Rd. 16-in. (Peters- burg to New Seward)	300		NAPP				180		120
2. Private Development Oversizing	50	40	35	30	30	30	215		
3. Arctic Blvd. 16-in. (47th to International Airport Rd.)		200				·	120		80
4. Merrill Field Dr./Sitka to 15th Ave. 12-inch		480					288		192
5. Abbott Loop 30-in. (Tudor to 76th)		1,500				·	900		600
6. 4th Ave. 30-in. (Gambell to "E")			905			*	543		362
7. "C" St. 16-in (5th to 15th)			600				397		203
8. 4th Ave. 24-in. ("E" St. to "I" St.)				510			306		204
9. Chugach Way 12-in. (Arctic Blvd. to Spenard Rd.)					340		204		136
10. Lore Rd. 16-in. (Lake Otis to Abbott)						750	450		300
11. Spruce St. 12-in. (Lore Rd. to 68th Ave.)						320	192		128
s and the state of									
TOTALS	350	2,220	1,540	540	370	1,100	3,795		2,325

	The state of the s	PAGE 322
Depa	rtment Municipal Utilities	Account Code 541-8006-8800
Prog	Anchorage Water Utility	Project Category Transmission
	PROJECT TITLE	SUMMARY OF PROJECT SCOPE
1.	Dowling Rd. 16-in. (Petersburg to New Seward)	Project will provide water along Dowling Rd. which is a developing commercial area and will complete portion of Old/New Seward Highway transmission grid.
2.	Private Development Oversizing	Projects constructed by private developers to provide water to newly developed areas. The developer is reimbursed for any oversizing required by the Water Utility
3.	Arctic Blvd. 16-in. (47th to International Airport Rd.)	Project needed to provide a 16-inch feed to Airport area which has a 6,000 gpm plus requirement for water and is presently deficient.
4.	Merrill Field Dr./Sitka to 15th Ave. 12-inch	Project will provide alternate source to the north portion of the system and provide a looped system for higher levels of fire protection in the Merrill Field & CBD areas.
5.	Abbott Loop 30-inch (Tudor to 76th)	Project will provide a major transmission main for bulk water supply to the most southern portion of the system. This main will be the backbone of the transmission grid for South Anchorage.
6.	4th Ave. 30-inch (Gambell to "E")	Project will increase considerably the available fire flows for the Central Business District.
7.	"C" St. 16-in. (5th to 15th)	Project will strengthen the transmission grid in the Central Business District and make more water available for distribution.
8.	4th Ave. 24-inch ("E" St. to "I" St.)	Project will increase considerably the available fire flows for the Central Business District.
9.	Chugach Way 12-inch (Arctic Blvd. to Spenard Rd.)	Project is necessary for transmission grid and will provide water to an area along Chugach Way that presently has no water.
10.	Lore Rd. 16-inch (Lake Otis to Abbott)	Project is necessary for transmission grid and will provide water to an area along Lore Road that presently has no water.
11.	Spruce St. 12-inch (Lore Rd. to 68th Ave.)	Project is necessary for transmission grid and will provide water to an area along Spruce Street that presently has no water.

### MUNICIPALITY OF ANCHORAGE — UCIP - 2 EXISTING CAPITAL BUDGET SUMMARY

Department MUNICIPAL	UTILITIES
Project Category WATER IITTI	TTY - DISTRIBUTION

			WATER UTILITY - DISTRIBUTION									
		E	XISTING CAPITAL IMPROVEMENT BUDGET									
PROJECT TITLE	Original CIB Cost Est.	Total Current Funding	EXPLANATION/STATUS									
1. Anticipated W.I.D.'s	455	455	Program is proceeding as districts are approved and funds become available									

DEPARTMENT-UTILITY: WATER UTILITY PROJECT CATEGORY: DISTRIBUTION THOUSANDS OF DOLLARS FUTURE PRIOR TOTAL PROJECT YEARS PROJECT 1981 1782 1983 1984 1985 1986 COST APPROP COST CAPITAL INVESTMENT COSTS PLANNING AND DESIGN 13 28 33 36 40 180 LAND AND R.O.W. 20 42 46 49 54 60 271 CONSTRUCTION 186 393 427 460 499 556 2.521 EQUIPMENT INTERFUND CHARGES 25 OTHER 80 403 TOTAL 250 530 620 750 3.400 3.400 TOTAL REIMBUR NON-REIM SOURCE OF FUNDS FUNDS SABLES BURSABLES G.O. BONDS AUTH G.O. BONDS UNAUTH. 0 0 0 REVENUE BONDS 150 318 345 372 405 450 2,040 FEDERAL GRANT 0 STATE GRANT 100 212 230 270 248 300 1.360 1,360 CONTRIBUTIONS DPERATING REV OTHER 575 TOTAL 250 530 620 750 3,400 1.360 2.040 

## MUNICIPALITY OF ANCHORAGE — UCIP · 4 CAPITAL IMPROVEMENT PROJECT FINANCIAL SUMMARY

PAGE 325

Department MUNICIPAL UTILITIES		· · · · · · · · · · · · · · · · · · ·		Account Cod	241-8000		**************************************		1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	
Program Category ANCHORAGE WATER UTILIT	ΓY		·····	Project Categ	<sup>ory</sup> DISTRIBU	JTION		A Commission of the Commission		
				OJECT COST	T	*****	BONDS	отнеп	STATE OF	
PROJECT TITLE	1981	1982	1983	1984	1985	1986	□ G.O. <b>&amp;</b> REV	LOCAL	FEDERA FUNDS	
	THOUSANDS OF DOLLARS									
1. Anticipated WID's	250	530	575	620	675	750	2,040		1,360	
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					-					
TOTALS	250	530	575	620	675	750	2,040	,	1,360	

## MUNICIPALITY OF ANCHORAGE - UCIP - 5

The state of the s	CAPITAL IMPROVEMENT PROJ	WWARY	page 326								
Department Municipal Utilities		Account Code	541-8006-8800	AND THE PARTY OF T							
Program Category Anchorage Water Utili	ty	Project Category	Distribution								
PROJECT TITLE	SUMMARY OF PROJECT SCOPE										
1. Anticipated W.I.D.'s	Projects will provide water water.	to existing	developments that presently do no	t have							

### MUNICIPALITY OF ANCHORAGE — UCIP - 2 EXISTING CAPITAL BUDGET SUMMARY

Department MUNICIPAL	IITTI.T	TIES	er e	
WATER OTTY	*		DISTRIBUTION	

		***************************************	···	WATER UITHII - UI ORUM DISTRIBUTION
			E	XISTING CAPITAL IMPROVEMENT BUDGET
	PROJECT TITLE	Original CIB Cost Est.	Total Current Funding	EXPLANATION/STATUS
1.	Upgrade Wells	125	125	This project will extend the life of the older wells and increase their production. Program is proceeding as scheduled.
2.	Upgrade Fire Protection	195	195	Project will increase fire protection to various deficient areas. Program is proceeding as scheduled.
3.	Telemetering/Remote Control	65	65	Design of Phase II is complete. Construction to be complete in 1981.
4.	Miscellaneous	70	70	This project includes small miscellaneous projects throughout the system.  Projects handled as they are encountered.
		months and the state of the sta		
		ry management and a control of the c	**************************************	
		de republication de characteristics de characterist		

		THOU	SANDS OF D	OLLARS			FUTURE	PRIOR	TOTAL PROJECT
	4504						PROJECT	T YEARS	
· · · · · · · · · · · · · · · · · · ·	1981	1982	1983	1984	1985	1986	COST	AFFROR	COST
CAPITAL INVESTMENT COSTS								- TO	4 4 1 4 4 1 1 4 1 1 1 1 1 1 1 1 1 1 1 1
PLANNING AND DESIGN	0	32	31	33	39	43	178		
LAND AND R.O.W.	0	28	23	29	33	39	152		
CONSTRUCTION	0	400	374	410	458	512	2,154		
EQUIPMENT	0	0	0	0	0	O	0		
INTERFUND CHARGES	O	6	7	7	8	9	37		
OTHER	0	69	65	71	77	87	369		
TOTAL	0	535	500	550	615	690	2,890	0	2,870
						*******	TOTAL	REIMBUR	NON-REI
OURCE OF FUNDS							FUNDS	SABLES	BURSABL
G.O. BONDS AUTH									20110112
G.O. BONDS UNAUTH.	0	0	0	0	0	0	0	0	
REVENUE BONDS	0	51	54	63	72	84	324		
FEDERAL GRANT	0	0	0	0	0	0	0	0	
STATE GRANT	0	34	36	42	48	56	216	216	
CONTRIBUTIONS	0	0	0	0	0	0	0		
OPERATING REV	0	450	410	445	495	550	2,350		
OTHER	0	0	0	0	0	0	0		
TOTAL	0	535	500	550	615	690	2,890	216	2,674

### PAGE 329

Department MUNICIPAL UTILITIES				Account Code	541-800	6-8800			
Program Category ANCHORAGE WATER UTILIT	îy			Project Catego	UPGRADE	DISTRIBUT	CION	ı — — — — — — — — — — — — — — — — — — —	1
	1981	1982	1983	1984	1985	1986	BONDS  G.O.	OTHER LOCAL	STATE OR FEDERAL FUNDS
PROJECT TITLE	1301	1302	1903		SANDS OF DO		X REV		FUNDS
								1 /70	
1. Upgrade Fire Protection		300	250	275	305	340		1,470	
2. Upgrade Wells		150	160	170	190	210		880	
3. Miscellaneous Upgrade		85	90	105	120	140	324		216
	:	:							
								1. The state of th	
								version various statements	
									-
								<u> </u> 	
								And the second s	
			Anna Anna Anna Anna Anna Anna Anna Anna						-
TOTALS	0	535	500	550	615	690	324	2,350	216

### MUNICIPALITY OF ANCHORAGE — UCIP - 5 CAPITAL IMPROVEMENT PROJECT SCOPE SUMMARY

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The state of the s	CAPITAL IMPROVEMENT PROJECT SCOPE SUMMARY PAGE 330
Municipal Utilities	Account Code 541-8006-8800
Program Category Anchorage Water Uti	lity Project Category Upgrade Distribution
PROJECT TITLE	SUMMARY OF PROJECT SCOPE
1. Upgrade Fire Protection	Project involves the installation of new hydrants and mains to meet Fire Department requirements.
2. Upgrade Wells	Project will extend the life of older wells and will also increase their production.
3. Miscellaneous Upgrade	Project will include small miscellaneous projects as they occur.
	*

### MUNICIPALITY OF ANCHORAGE — UCIP - 2 EXISTING CAPITAL BUDGET SUMMARY

Department	
MUNICIPAL UTILITIES	
WATER UTILITY - UPGRADE	TRANSMISSION

				WATER UTILITY - UPGRADE TRANSMISSION							
	EXISTING CAPITAL IMPROVEMENT BUDGET										
	PROJECT TITLE Cost E		Total Current Funding	EXPLANATION/STATUS							
1.	Replace Gambell Street 10-Inch Wood Stave With 30-Inch, 5th to 4th and 16-Inch 4th to 2nd.	300	300	Pre-design survey complete. Design and construction delayed until 1981 pending bond fund availability.							
2.	Ingra Street 16-Inch 5th to 15th	250	250	Delayed until 1982 pending bond fund availability.							
1		<b>!</b>	i								

### HUNICIPALITY OF ANCHORAGE CAPITAL PROJECT CATEGORY SUHHARY

						***************************************			2222222
		THOU	SANDS OF D	OLLARS			FUTURE	PRIOR	TOTAL
	1981	1982	1983	1984	1985	1986	PROJECT COST	YEARS APPROP	PROJECT COST
CAPITAL INVESTMENT COSTS								· · · · · · · · · · · · · · · · · · ·	
PLANNING AND DESIGN	0	58	18	11	20	10	117		
LAND AND R.O.V.	O	5	3	2	2	2	14		
CONSTRUCTION	0	964	302	183	421	224	2,094		
EQUIPHENT	0	0	0	0	0	0	0		
INTERFUND CHARGES	0	19	8	4	8	3	42		
OTHER	0	139	49	20	59	31	298		
TOTAL	0	1,185	380	220	510	270	2,565	0	2,565
						3 2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3	TOTAL	REIMBUR	HON-REI
OURCE OF FUNDS							FUNDS	SABLES	BURSABL
G.O. BONDS AUTH									
G.O. BONDS UNAUTH.	0	0	0	0	0	0	0	0	
REVENUE BONDS	0	712	287	132	306	210	1,647	-	
FEDERAL GRANT	0	0	0	0	0	0	, o	0	
STATE GRANT	0	223	93	88	204	60	888	868	
CONTRIBUTIONS	0	0	0	0	0	0	0		
OPERATING REV	0	250	0	0	0	0	250		
OTHER	0	0	0	0	0	0	0		
TOTAL	0	1,185	380	220	510	270	2,565	668	1,897

Department MUNICIPAL UTILITIES				Account Code	541-8006	-8800			
Program Category ANCHORAGE WATER UTILIT	ΥΥ			Project Catego	UPGRADE	TRANSMISS	I		T
PROJECT TITLE	1981	1982	1983	1984	1985	1986	BONDS G.O. REV	OTHER LOCAL	STATE OR FEDERAL FUNDS
THOSE OF THE PARTY			<u> </u>	THOUS	SANDS OF DO	LLARS	<u> </u>		1
l. Vault Upgrade		250						250	
<ol><li>Providence Ave. (addn. Appro- priation)</li></ol>		250	,				189		61
3. Replace "I" St. 10-in. with 16-in. (7th Ave. to 4th Ave.)		140					99		41
4. Replace Spenard Rd. 8-in. with 12-in. (Hillcrest Dr. to 15th Ave.)	,	545					424		121
5. Replace "I" St. 10-in. with 16-in. (10th Ave. to 15th. Ave.)			380	,			287		93
6. East 15th Ave. 16-in. (Sitka St. to Well #2)	-			220			132		88
7. East 15th Ave. 16-in. (Sitka St. to Airport Heights)					510		306		204
8. Replace E. Bluff Rd. 8-in. (Richardson Vista to Erick- son)						270	210		60
*									
TOTALS	0	1,185	380	220	510	270	1,647	250	668

#### MUNICIPALITY OF ANCHORAGE – UCIP - 5 CAPITAL IMPROVEMENT PROJECT SCOPE SUMMARY

Dega	tment	OAL TAC IMITO CINCILITY TO S	Account Code					
	Municipal Utilities		541-8006-8800					
rrogr	Anchorage Water Utili	ty	Project Category Upgrade Transmission					
	PROJECT TITLE	SUMMARY OF PROJECT SCOPE						
1.	Vault Upgrade	Project is for the upgrade and rehabilitation of four pressure reducing vaults and will provide for adequate ventilation, electrical service, heat, and correct other deficiencies. Improvements will provide safer access and working conditions for operational personnel who must enter them daily.						
2.	Providence Ave. (additional appropriation)		sting 10-inch line with a 16-inch main. It will provide on of the area and a more efficient and dependable loop					
3.	Replace "I" St. 10-inch with 16-inch (7th to 4th)		riorating wood stave water main with a ductile iron ransmission grid in the area.					
4.	Replace Spenard Rd. 8-inch with 12-inch (Hillcrest Dr. to 15th Ave.)	1	rengthening the north-south portion of our transmission to water will be available for distribution.					
5.	Replace "I" St. 10-inch with 16-inch (10th to 15th)	- "	eriorating wood stave water main with a ductile iron cransmission grid in the area.					
6.	East 15th Ave. 16-inch (Sitka to Well #2)	Project is necessary to imp	rove transmission grid so water will be available for					
7.	East 15th Ave. 16-inch (Sitka St. to Airport Hts.)	Project is necessary to imp	prove transmission grid so water will be available for					
8.	Replace E. Bluff Rd. 8-inch (Richardson Vista to Erickson)	Project will replace a detegrid in the Government Hill	eriorating system as required to improve transmission area.					

### MUNICIPALITY OF ANCHORAGE — UCIP - 2 EXISTING CAPITAL BUDGET SUMMARY

Department
MUNICIPAL UTILITIES
Project Category
WATER UTILITY - REPAIR & REHABILITATION

	EXISTING CAPITAL IMPROVEMENT BUDGET									
	PROJECT TITLE Original CIB Cost Est.		Total Current Funding	EXPLANATION/STATUS						
1.	Emergency R&R	65	65	Project is to repair or replace defects in the system on an unscheduled, as required, basis.						
2.	Planned R&R	275	275	Project is to repair or replace defects in the system on a scheduled basis.  Projects are designed and constructed as scheduled and funds become available.						
3.	Public Works Road Related Projects	200	200	Miscellaneous projects that occur as a result of various Public Works paving projects that require relocation or construction of new facilities prior to paving. These projects are designed and constructed as scheduled and funds are available.						
4.	State Highway Division Related Projects	200	200	Miscellaneous projects that occur as a result of various State Highway Department improvements that require construction of new facilities prior to paving. When notified by the State, these projects are designed and constructed.						
5.	Miscellaneous	200	200	Projects that are unscheduled and need repair throughout the year. Project proceed as required on a priority basis.						

### NUNICIPALITY OF ANCHORAGE CAPITAL PROJECT CATEGORY SUMMARY

DEPARTMENT-UTILITY: WATER UTILITY		PROJ	ECT CATEGO	RY: REPAI	R AND REHA	BILITATION			
		THO	USANDS OF	DOLLARS	짜 교로 백분 보건 분 #	파 파 큐 III 또 대표 대년 또 은	FUTURE	PRIOR	TOTAL.
	1981	1982	1983	1984	1985	1986	PROJECT Cost	YEARS APPROP	PROJECT COST
CAPITAL INVESTMENT COSTS				~ ~				for on the printing on the sar har sar	
PLANNING AND DESIGN	27	53	60	66	71	78	355		
LAND AND R.O.W.	33	77	86	94	100	108	498		
CONSTRUCTION	388	755	855	917	1,006	1,091	5,012		
EQUIPHENT	0	0	0	0	0	0	0		
INTERFUND CHARGES	6	12	13	16	14	15	76		
OTHER	66	123	141	147	159	178	814		
TOTAL	520	1,020	1,155	1,240	1,350	1,470	6,755	0	6,755
		~~~~~~~~				=======================================	TOTAL	REIMBUR	NON-REI
COURCE OF FUNDS							FUNDS	SABLES	BURSABLI
G.O. BONDS AUTH							. 525		DONOTE !!
G.O. BONDS UNAUTH.	0	0	0	0	Ö	0	0	0	
REVENUE BONDS	252	599	686	737	802	874	3,950	-	
FEDERAL GRANT	0	0	0	0	0	Q	, 0	ø	
STATE GRANT	168	341	384	413	453	496	2,255	2,255	
CONTRIBUTIONS	0	0	0	0	0	0	0	- 7	
OPERATING REV	100	80	85	90	75	100	550		
OTHER	0	0	Ö	0	Ø	0	0		
TOTAL	520	1,020	1,155	1,240	1,350	1,470	6,755	2,255	4,500

Department MUNICIPAL UTILITIE	S	****		Account Cod	541-800	06-8800			
Program Category ANCHORAGE WATER UTILITY				Project Categ	ory REPAIR	& REHABIL	ITATION		
				OJECT COST	I	1	BONDS G.O.	OTHER	STATE OR FEDERAL
PROJECT TITLE	1981	1982	1983	1984	1985	1986	X) REV	LOCAL	FUNDS
				THOUS	SANDS OF DO	OLLARS		·	
1. R&R Emergency	100	80	85	90	95	100		550	
2. ADOT Projects	260	230	250	270	300	330	984	,	656
3. Public Works Projects	160	230	250	270	300	330	924		616
4. Planned R&R		250	320	340	355	380	1,214		431
5. Miscellaneous R&R		230	250	270	300	330	828		552
							THE TAX BEAUTY AND A STATE OF THE TA		
	·								
									.*
TOTALS	520	1,020	1,155	1,240	1,350	1,470	3,950	550	2,255

		CAPITAL IMPROVEMEN		NH Y PAGE 330							
Departi	<sup>ment</sup> Municipal Utili	ties	Account Code	541-8006-8800							
Program	n Calegory Anchorage Water	Utility	Project Category	Repair and Rehabilitation							
	PROJECT TITLE		SUMMARY OF PROJECT SCOPE								
1.	R&R Emergency	These are emergency projects to repair breaks in the water system. These brequire immediate attention and the repairs must be done promptly.									
2.	ADOT Projects	improvements that re	equire construction of	sult of various State Highway Department new facilities prior to paving. When designed and constructed.							
3.	Public Works Projects	projects that requi	re relocation or const	sult of various Public Works paving ruction of new facilities prior to constructed as planned.							
4.	Planned R&R			the system on a scheduled basis to elim- Emergency R&R is more costly than							
	Waterline Replacement "I" St. 7th to 10th		d stave line with 16-in	nch ductile iron main. (1982)							
	Waterline Replacement 10th Avenue, "I" Street to 550' West.	Replace 6-inch wood depending on fund a		h ductile iron main. (1982 or 1983,							
5.	Miscellaneous R&R	Projects that are u	nscheduled that need r	epair throughout the year.							
i											

### **MUNICIPALITY OF ANCHORAGE - UCIP - 2 EXISTING CAPITAL BUDGET SUMMARY**

Department MUNICIPAL UTILITIES
Project Category
WATER UTILITY - NEW EQUIPMENT

EXISTING CAPITAL IMPROVEMENT BUDGET											
	PROJECT TITLE	Original CIB Cost Est.	Total Current Funding	EXPLANATION/STATUS							
1.	Vehicles	165	165	Replace worn-out vehicles as required and funds are available.							
2.	Other Equipment	120	120	Equipment purchased as required and funds are available.							
3.	Meters	65	65	Meters purchased as required to fulfill Water Utility Tariff requirements for metering.							

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DEFARTMENT-UTILITY: WATER UTILITY		PROJE	CT CATEGOR	Y: NEW EO	UIPHENT				
	THOUSANDS OF DOLLARS							PRIOR	TOTAL
	1981	1982	1983	1984	1985	1986	PROJECT COST	YEARS APPROP	PROJECT COST
CAPITAL INVESTMENT COSTS			) No tie 200 tak air leak an gan gay ng			I No PHI lot lot lot lot lot lot do voice.		to the saw that was harman and and the high	
PLANNING AND DESIGN	0	0	0	0	0	0	0		
LAND AND R.O.V.	0	0	ō	0	Ô	ő	ň		
CONSTRUCTION	0	0	0	0	Ō	0	0		
EQUIPMENT	99	177	181	201	221	246	1,125		
INTERFUND CHARGES	1	10	4	4	4	4	27		
OTHER	0	393	0	0	0	0	393		
TOTAL	100	580	185	205	225	250	1,545	0	1,545
						. = = = = = = = :	TOTAL	REIMBUR	NON-REI
OURCE OF FUNDS							FUNDS	SABLES	BURSABL
G.O. BONDS AUTH							1 51120	OHELLO	PORGADI
G.O. BONDS UNAUTH.	0	0	0	0	0	0	0	0	
REVENUE BONDS	100	180	185	205	225	250	1,145	G	
FEDERAL GRANT	0	0	0	0	0	0	0	0	
STATE GRANT	0	0	0	0	Ö	Ö	. 0	ő	
CONTRIBUTIONS	0	0	0	0	0	Ō	0	-	
OPERATING REV	0	400	0	0	0	0	400		
OTHER	0	0	0	0	0	0	0		
TOTAL	100	580	185	205	225	250	1,545	0	1,545

Depart	MONICIPAL UTILITIES	Account Code 541-8006-8800										
Progra	M Category ANCHORAGE WATER UTILI	Project Category NEW EQUIPMENT										
					OJECT COST			BONDS G.O.	отнея	STATE OR FEDERAL		
	PROJECT TITLE	1981	1982	1983	1984	1985	1986	<b>Ⅲ</b> REV	LOCAL	FUNDS		
		THOUSANDS OF DOLLARS										
1.	Meters	100	85	95	105	115	125	625				
2.	Vehicles		60	50	60	65	75	310				
3.	Miscellaneous Equipment		35	40	40	45	50	210				
4.	Continuous Property Record System		400						400			
				-								
		over-matherative titles										
							·					
										-		
								<u> </u>				
						La Contraction de la Contracti		1				
						0.5.5						
	TOTALS	100	580	185	205	225	250	1,145	400			

	CAPITALI	IMPROVEMENT PROJECT SCOPE SUMMARY PAGE 342							
Department Munici	pal Utilities	Account Code 541-8006-8800							
Program Category Anchox	age Water Utility	Project Category New Equipment							
PROJECT TI	TLE	SUMMARY OF PROJECT SCOPE							
1. Meters		chase of meters is necessary to fulfill the requirements of the Water Utility that mandates the use of meters. Metering encourages the conservation of							
2. Vehicles	This proj by accide	eject is the orderly replacement of worn out vehicles or wrecked vehicles dent.							
3. Misc. Equipment		eject is the orderly replacement of worn out or wrecked miscellaneous small nt beyond the feasibility of being repaired.							
4. Continuous Prope System	of all probe in acc	nt will provide effective and efficient accountability and internal control property records, funds and assets related to the Utility. The project will ecordance with the Utility's long range plan associated with computerized tems and State & Federal Statute requirements for regulated utilities.							

## MUNICIPALITY OF ANCHORAGE — UCIP - 2 EXISTING CAPITAL BUDGET SUMMARY

Department
MUNICIPAL UTILITIES
Project Category
WATER UTILITY - BUILDINGS

#### **EXISTING CAPITAL IMPROVEMENT BUDGET**

	EXISTING CAPITAL IMPROVEMENT BUDGET							
	PROJECT TITLE	Original CIB Cost Est.	Total Current Funding	EXPLANATION/STATUS				
1.	Headquarters Building Paving	115	115	Under construction.				
2.	Headquarters Building Generator Room	70	70	Delayed until 1982 pending bond fund availability.				
3.	Headquarters Building Upgrade/Repair	40	40	Project proceeding as funds are available. Portions are delayed until 1981 pending bond fund availability.				
			·					
	•							

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		THOU	SANDS OF D	OLLARS			FUTURE	PRIOR	TOTAL
	1981	1982	1983	1984	1985	1786	PROJECT Cost	YEARS APPROP	PROJECT COST
CAPITAL INVESTMENT COSTS		~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	THE SEC CONTROL FOR THE GAS ARE SEC AND				agan gaga aman gasa napa saga saga saga napa pilap		
PLANNING AND DESIGN	0	0	0	0	0	0	0		
LAND AND R.O.W.	0	0	0	0	Ō	0	0		
CONSTRUCTION	0	36	24	21	24	24	129		
EQUIPMENT	0	0	0	0	0	0	0		
INTERFUND CHARGES	0	2	1	1	1	0	5		
OTHER	0	57	5	3	5	6	76		
TOTAL	0	95	30	25	30	30	210	0	210
		*=*======	=======				TOTAL	REIMBUR	NON-REI
BOURCE OF FUNDS							FUNDS	SABLES	BURSABL
G.O. BONDS AUTH									- 411 (271 2
G.O. BONDS UNAUTH.	0	0	0	0	0	0	0	0	
REVENUE BONDS	0	95	30	25	30	30	210		
FEDERAL GRANT	0	0	0	0	0	0	0	0	
STATE GRANT	0	0	0	0	0	0	0	0	
CONTRIBUTIONS	0	0	Ö	0	0	Ö	0		
OPERATING REV	0	0	0	0	0	0	0		
OTHER	0	0	0	0	0	0	0		
TOTAL	0	95	30	25	30	30	210	0	210

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Department MUNICIPAL UTILITIES					Account Code 541-8006-8800					
Program Category ANCHORAGE WATER UTILIT	Ϋ́			Project Catagory BUILDINGS						
	TOTAL PRO			OJECT COST		I	BONDS	отнев	STATE OR	
PROJECT TITLE	1981	1982	1983	1984	1985	1986	☐ G.O. KĀ REV	LOCAL	FEDERAL FUNDS	
	THOUSANDS OF DOLLARS									
<ol> <li>Headquarters Bldg. Upgrade/ Repair</li> </ol>		45	30	25	30	30	160		,	
2. Security System		50					50			
	·									
							!		Account of the Control of the Contro	
								THE PROPERTY OF THE PROPERTY O	To account to the control of the con	
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			The state of the s							
TOTALS		95	30	25	30	30	210			

#### MUNICIPALITY OF ANCHORAGE - UCIP - 5 CARLTAL IMPROVEMENT PROJECT SCORE SUMMARY

Project will provide security and protection for the Utility Headquarters Built The system will be connected directly to the Police Department or a security of The system includes a card-entry system to control and monitor entry into the			CAPITAL IMPROVEMENT PROJECT SCOPE SUMMARY PAGE 34
Project Category Buildings  PROJECT TITLE  SUMMARY OF PROJECT SCOPE  1. Headquarters Bldg. Upgrade/Repair  Project will provide for upgrade of various areas and facilities at the Upgrade of the Utility Headquarters Building.  Project will provide security and protection for the Utility Headquarters Building.  Project will provide security and protection for the Utility Headquarters Building the system will be connected directly to the Police Department or a security of the System includes a card-entry system to control and monitor entry into the building, monitoring and control of the gas pump usage, and capability for control and monitor entry into the building, monitoring and control of the gas pump usage, and capability for control and monitor entry into the building.	Department M	iunicipal Utilities	Account Code 541-8006-8800
<ol> <li>Headquarters Bldg. Upgrade/Repair</li> <li>Security System</li> <li>Project will provide for upgrade of various areas and facilities at the United Headquarters Building.</li> <li>Security System</li> <li>Project will provide security and protection for the Utility Headquarters Building.</li> <li>The system will be connected directly to the Police Department or a security system to control and monitor entry into the building, monitoring and control of the gas pump usage, and capability for control.</li> </ol>	Program Category Δ	nchorage Water Uti	Project Category
Project will provide security and protection for the Utility Headquarters Building.  Project will provide security and protection for the Utility Headquarters Building The system will be connected directly to the Police Department or a security so The system includes a card-entry system to control and monitor entry into the building, monitoring and control of the gas pump usage, and capability for control and monitoring and control of the gas pump usage, and capability for control and monitoring and control of the gas pump usage, and capability for control and monitoring and control of the gas pump usage, and capability for control and monitoring and capability for control and monitoring and control of the gas pump usage, and capability for control and monitoring and capability for	PROJE	CT TITLE	SUMMARY OF PROJECT SCOPE
The system will be connected directly to the Police Department or a security some the system includes a card-entry system to control and monitor entry into the building, monitoring and control of the gas pump usage, and capability for control of the gas pump usage.		Bldg. Upgrade/Re-	
	2. Security Sys	stem	building, monitoring and control of the gas pump usage, and capability for control