

MUNICIPALITY OF ANCHORAGE – UCIP - 1  
UTILITY CAPITAL NEEDS ANALYSIS

Department	Municipal Utilities
Program 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

EXISTING CAPITAL IMPROVEMENT BUDGET			
PROJECT TITLE	Original CIB Cost Est.	Total Current Funding	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.

MUNICIPALITY OF ANCHORAGE  
CAPITAL PROJECT CATEGORY SUMMARY

DEPARTMENT-UTILITY: WATER UTILITY

PROJECT CATEGORY: RESOURCE DEVELOPMENT

	THOUSANDS OF DOLLARS						FUTURE PROJECT COST	PRIOR YEARS APPROP	TOTAL PROJECT COST
	1981	1982	1983	1984	1985	1986			
CAPITAL INVESTMENT COSTS									
PLANNING AND DESIGN	0	51	75	66	75	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
SOURCE OF FUNDS									
							TOTAL FUNDS	REINBUR SABLES	NON-REIN BURSABLES
G.O. BONDS AUTH									
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	0	0	0		
OTHER	0	0	0	0	0	0	0		
TOTAL	0	610	890	805	890	190	3,385	1,354	2,031

THIS CATEGORY CAUSES NO SIGNIFICANT INCREASE IN TAX SUPPORTED OPERATING COSTS

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MUNICIPALITY OF ANCHORAGE – UCIP - 4  
 CAPITAL IMPROVEMENT PROJECT FINANCIAL SUMMARY

Department				Account Code					
MUNICIPAL UTILITIES				541-8006-8800					
Program Category				Project Category					
ANCHORAGE WATER UTILITY				RESOURCE DEVELOPMENT					
PROJECT TITLE	TOTAL PROJECT COST						BONDS	OTHER LOCAL	STATE OR FEDERAL FUNDS
	1981	1982	1983	1984	1985	1986	<input type="checkbox"/> G.O. <input checked="" type="checkbox"/> REV		
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
<b>TOTALS</b>		610	890	805	890	190	2031		1354

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

Department <b>Municipal Utilities</b>		Account Code <b>541-8006-8800</b>
Program Category <b>Anchorage Water Utility</b>		Project Category <b>Resource Development</b>
PROJECT TITLE	SUMMARY OF PROJECT SCOPE	
1. Well No. 14	Due to the increased population of Anchorage, the Water Utility must increase its production capabilities to keep up with the user demand. Final site selection will depend on results of 1980-81 Test Well programs.	
2. Production Well/House/Site	Due to the increased population of Anchorage, the Water Utility must increase its production capabilities to keep up with the user demand. Final site selections will depend on results of 1982-83 Test Well programs.	
3. Test Wells	Projects are necessary to locate production quantities of water prior to expending larger amounts of money constructing large production wells.	

MUNICIPALITY OF ANCHORAGE – UCIP - 2  
 EXISTING CAPITAL BUDGET SUMMARY

Department MUNICIPAL UTILITIES
Project Category WATER UTILITY - TREATMENT

EXISTING CAPITAL IMPROVEMENT BUDGET

PROJECT TITLE	Original CIB Cost Est.	Total Current Funding	EXPLANATION/STATUS
1. 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.

MUNICIPALITY OF ANCHORAGE  
CAPITAL PROJECT CATEGORY SUMMARY

DEPARTMENT-UTILITY: WATER UTILITY

PROJECT CATEGORY: TREATMENT

	THOUSANDS OF DOLLARS						FUTURE PROJECT COST	PRIOR YEARS APPROP	TOTAL PROJECT COST
	1981	1982	1983	1984	1985	1986			
CAPITAL INVESTMENT COSTS									
PLANNING AND DESIGN	7	5	12	6	16	7	53		
LAND AND R.O.W.	0	0	0	0	0	0	0		
CONSTRUCTION	66	43	90	52	113	66	430		
EQUIPMENT	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
SOURCE OF FUNDS									
G.O. BONDS AUTH							TOTAL FUNDS	REIMBUR SABLES	NON-REIM BURSABLES
G.O. BONDS UNAUTH.	0	0	0	0	0	0	0	0	
REVENUE BONDS	21	0	36	0	45	0	102		
FEDERAL GRANT	0	0	0	0	0	0	0	0	
STATE GRANT	14	0	24	0	30	0	68	68	
CONTRIBUTIONS	0	0	0	0	0	0	0		
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

THIS CATEGORY CAUSES NO SIGNIFICANT INCREASE IN TAX SUPPORTED OPERATING COSTS

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MUNICIPALITY OF ANCHORAGE – UCIP - 4  
 CAPITAL IMPROVEMENT PROJECT FINANCIAL SUMMARY

Department		Account Code					BONDS			
MUNICIPAL UTILITIES		541-8006-8800					<input type="checkbox"/> G.O. <input checked="" type="checkbox"/> REV			
Program Category		Project Category					OTHER LOCAL			
ANCHORAGE WATER UTILITY		TREATMENT					STATE OR FEDERAL FUNDS			
PROJECT TITLE	TOTAL PROJECT COST									
	1981	1982	1983	1984	1985	1986				
THOUSANDS OF DOLLARS										
1. Telemetry	35		60		75		102			68
2. Upgrade Treatment	50	55	60	67	75	85		392		
<b>TOTALS</b>	85	55	120	67	150	85	102	392		68



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

Department <b>Municipal Utilities</b>		Account Code <b>541-8006-8800</b>
Program Category <b>Anchorage Water Utility</b>		Project Category <b>Treatment</b>
PROJECT TITLE	SUMMARY OF PROJECT SCOPE	
1. Telemetering	This project will reduce the time necessary for operation and monitoring wells, valves, and other facilities which must be operated manually at present.	
2. Upgrade Treatment	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

EXISTING CAPITAL IMPROVEMENT BUDGET

PROJECT TITLE	Original CIB Cost Est.	Total Current Funding	EXPLANATION/STATUS
1. Miscellaneous Distribution Reservoirs	1,330	1,330	Delayed. Design by A/E Consultant and construction in 1982 pending bond fund availability.

MUNICIPALITY OF ANCHORAGE  
CAPITAL PROJECT CATEGORY SUMMARY

DEPARTMENT-UTILITY: WATER UTILITY

PROJECT CATEGORY: DISTRIBUTION RESERVOIRS

	THOUSANDS OF DOLLARS						FUTURE PROJECT COST	PRIOR YEARS APPROP	TOTAL PROJECT COST
	1981	1982	1983	1984	1985	1986			
CAPITAL INVESTMENT COSTS									
PLANNING AND DESIGN	0	54	42	60	0	75	231		
LAND AND R.O.W.	0	0	0	0	0	0	0		
CONSTRUCTION	0	2,304	1,990	2,909	3,461	0	10,664		
EQUIPMENT	0	0	0	0	0	0	0		
INTERFUND CHARGES	0	24	19	30	38	0	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
SOURCE OF FUNDS									
G.O. BONDS AUTH							TOTAL FUNDS	REIMBUR SABLES	NON-REIM BURSABLES
G.O. BONDS UNAUTH.	0	0	0	0	0	0	0	0	
REVENUE BONDS	0	1,581	1,350	1,974	2,307	45	7,257		
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	0	0	0	0		
OPERATING REV	0	0	0	0	0	0	0		
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

THIS CATEGORY CAUSES NO SIGNIFICANT INCREASE IN TAX SUPPORTED OPERATING COSTS

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MUNICIPALITY OF ANCHORAGE -- UCIP - 4  
 CAPITAL IMPROVEMENT PROJECT FINANCIAL SUMMARY

Department		Account Code					Project Category			
MUNICIPAL UTILITIES		541-8006-8800					DISTRIBUTION RESERVOIRS			
Program Category		TOTAL PROJECT COST					BONDS		OTHER LOCAL	STATE OR FEDERAL FUNDS
PROJECT TITLE		1981	1982	1983	1984	1985	1986	<input type="checkbox"/> G.O. <input checked="" type="checkbox"/> REV		
THOUSANDS OF DOLLARS										
1. Miscellaneous Distribution Reservoirs			2,635	2,250	3,290	3,845	75	7,257		4,838
TOTALS			2,635	2,250	3,290	3,845	75	7,257		4,838

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

Department <b>Municipal Utilities</b>		Account Code <b>541-8006-8800</b>
Program Category <b>Anchorage Water Utility</b>		Project Category <b>Distribution Reservoirs</b>
PROJECT TITLE	SUMMARY OF PROJECT SCOPE	
1. Miscellaneous Distribution Reservoirs	Projects will increase availability of treated water during peak periods, power outages, fires, hot weather and other emergencies due to increased demand caused by a constantly increasing population. Design only in 1986.	

MUNICIPALITY OF ANCHORAGE – UCIP - 2  
EXISTING CAPITAL BUDGET SUMMARY

Department MUNICIPAL UTILITIES
Project Category WATER UTILITY - TRANSMISSION

## EXISTING CAPITAL IMPROVEMENT BUDGET

PROJECT TITLE	Original CIB Cost Est.	Total Current Funding	EXPLANATION/STATUS
1. Private Development Oversizing	35	35	Project constructed by private developers to provide water to newly developed areas.
2. 76th Avenue 16-Inch Lake Otis to Hartzell	285	285	Design complete. Construction delayed until 1981 pending bond fund availability.
3. 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.

MUNICIPALITY OF ANCHORAGE  
CAPITAL PROJECT CATEGORY SUMMARY

DEPARTMENT-UTILITY: WATER UTILITY

PROJECT CATEGORY: TRANSMISSION

	THOUSANDS OF DOLLARS						FUTURE PROJECT COST	PRIOR YEARS APPROP	TOTAL PROJECT COST
	1981	1982	1983	1984	1985	1986			
CAPITAL INVESTMENT COSTS									
PLANNING 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	0	0	0	0	0	0		
INTERFUND CHARGES	7	68	18	6	4	19	122		
OTHER	82	208	202	88	68	139	787		
<b>TOTAL</b>	<b>350</b>	<b>2,220</b>	<b>1,540</b>	<b>540</b>	<b>370</b>	<b>1,100</b>	<b>6,120</b>	<b>0</b>	<b>6,120</b>
SOURCE OF FUNDS									
G.O. BONDS AUTH							TOTAL FUNDS	REIMBURSABLES	NON-REIMBURSABLES
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	0	0		
OPERATING REV	0	0	0	0	0	0	0		
OTHER	0	0	0	0	0	0	0		
<b>TOTAL</b>	<b>350</b>	<b>2,220</b>	<b>1,540</b>	<b>540</b>	<b>370</b>	<b>1,100</b>	<b>6,120</b>	<b>2,325</b>	<b>3,795</b>

THIS CATEGORY CAUSES NO SIGNIFICANT INCREASE IN TAX SUPPORTED OPERATING COSTS

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MUNICIPALITY OF ANCHORAGE – UCIP - 4  
 CAPITAL IMPROVEMENT PROJECT FINANCIAL SUMMARY

Department		Account Code					BONDS		OTHER LOCAL	STATE OR FEDERAL FUNDS
MUNICIPAL UTILITIES		541-8006-8800					<input type="checkbox"/> G.O.			
Program Category		Project Category					<input checked="" type="checkbox"/> REV			
ANCHORAGE WATER UTILITY		TRANSMISSION								
PROJECT TITLE	TOTAL PROJECT COST									
	1981	1982	1983	1984	1985	1986				
THOUSANDS OF DOLLARS										
1. Dowling Rd. 16-in. (Petersburg to New Seward)	300						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
<b>TOTALS</b>	<b>350</b>	<b>2,220</b>	<b>1,540</b>	<b>540</b>	<b>370</b>	<b>1,100</b>	<b>3,795</b>			<b>2,325</b>



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

Department Municipal Utilities		Account Code 541-8006-8800
Program Category 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 UTILITY - DISTRIBUTION

EXISTING 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.

MUNICIPALITY OF ANCHORAGE  
CAPITAL PROJECT CATEGORY SUMMARY

DEPARTMENT-UTILITY: WATER UTILITY

PROJECT CATEGORY: DISTRIBUTION

	THOUSANDS OF DOLLARS						FUTURE PROJECT COST	PRIOR YEARS APPROP	TOTAL PROJECT COST
	1981	1982	1983	1984	1985	1986			
CAPITAL INVESTMENT COSTS									
PLANNING AND DESIGN	13	28	30	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	0	0	0	0	0	0	0		
INTERFUND CHARGES	1	4	4	5	6	5	25		
OTHER	30	63	68	73	80	89	403		
TOTAL	250	530	575	620	675	750	3,400	0	3,400
SOURCE OF FUNDS									
							TOTAL FUNDS	REIMBUR SABLES	NON-REIM BURSABLES
G.O. BONDS AUTH							0	0	
G.O. BONDS UNAUTH.	0	0	0	0	0	0	0		
REVENUE BONDS	150	318	345	372	405	450	2,040		
FEDERAL GRANT	0	0	0	0	0	0	0	0	
STATE GRANT	100	212	230	248	270	300	1,360	1,360	
CONTRIBUTIONS	0	0	0	0	0	0	0		
OPERATING REV	0	0	0	0	0	0	0		
OTHER	0	0	0	0	0	0	0		
TOTAL	250	530	575	620	675	750	3,400	1,360	2,040

THIS CATEGORY CAUSES NO SIGNIFICANT INCREASE IN TAX SUPPORTED OPERATING COSTS

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MUNICIPALITY OF ANCHORAGE – UCIP - 4  
 CAPITAL IMPROVEMENT PROJECT FINANCIAL SUMMARY

Department				Account Code					
MUNICIPAL UTILITIES				541-8006-8800					
Program Category				Project Category					
ANCHORAGE WATER UTILITY				DISTRIBUTION					
PROJECT TITLE	TOTAL PROJECT COST						BONDS <input type="checkbox"/> G.O. <input checked="" type="checkbox"/> REV	OTHER LOCAL	STATE OR FEDERAL FUNDS
	1981	1982	1983	1984	1985	1986			
THOUSANDS OF DOLLARS									
1. Anticipated WID's	250	530	575	620	675	750	2,040		1,360
<b>TOTALS</b>	250	530	575	620	675	750	2,040		1,360

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

Department Municipal Utilities		Account Code 541-8006-8800
Program Category Anchorage Water Utility		Project Category Distribution
PROJECT TITLE	SUMMARY OF PROJECT SCOPE	
1. Anticipated W.I.D.'s	Projects will provide water to existing developments that presently do not have water.	

MUNICIPALITY OF ANCHORAGE – UCIP - 2  
EXISTING CAPITAL BUDGET SUMMARY

Department MUNICIPAL UTILITIES
Project Category WATER UTILITY - UPGRADE DISTRIBUTION

## EXISTING 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. Telemetry/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.

MUNICIPALITY OF ANCHORAGE  
CAPITAL PROJECT CATEGORY SUMMARY

DEPARTMENT-UTILITY: WATER UTILITY

PROJECT CATEGORY: UPGRADE DISTRIBUTION

	THOUSANDS OF DOLLARS						FUTURE PROJECT COST	PRIOR YEARS APPROP	TOTAL PROJECT COST
	1981	1982	1983	1984	1985	1986			
CAPITAL INVESTMENT COSTS									
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	0	0		
INTERFUND CHARGES	0	6	7	7	8	9	37		
OTHER	0	69	65	71	77	87	369		
<b>TOTAL</b>	<b>0</b>	<b>535</b>	<b>500</b>	<b>550</b>	<b>615</b>	<b>690</b>	<b>2,890</b>	<b>0</b>	<b>2,890</b>
SOURCE OF FUNDS									
							TOTAL FUNDS	REIMBUR SABLES	NON-REIM BURSABLES
G.O. BONDS AUTH									
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		
<b>TOTAL</b>	<b>0</b>	<b>535</b>	<b>500</b>	<b>550</b>	<b>615</b>	<b>690</b>	<b>2,890</b>	<b>216</b>	<b>2,674</b>

THIS CATEGORY CAUSES NO SIGNIFICANT INCREASE IN TAX SUPPORTED OPERATING COSTS

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MUNICIPALITY OF ANCHORAGE – UCIP - 4  
 CAPITAL IMPROVEMENT PROJECT FINANCIAL SUMMARY

Department				Account Code							
MUNICIPAL UTILITIES				541-8006-8800							
Program Category				Project Category							
ANCHORAGE WATER UTILITY				UPGRADE DISTRIBUTION							
PROJECT TITLE	TOTAL PROJECT COST						BONDS	OTHER LOCAL	STATE OR FEDERAL FUNDS		
	1981	1982	1983	1984	1985	1986	<input type="checkbox"/> G.O. <input checked="" type="checkbox"/> REV				
THOUSANDS OF DOLLARS											
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		
<b>TOTALS</b>	0	535	500	550	615	690	324	2,350	216		



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

Department Municipal Utilities		Account Code 541-8006-8800
Program Category Anchorage Water Utility		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
Project Category WATER UTILITY - UPGRADE TRANSMISSION

EXISTING CAPITAL IMPROVEMENT BUDGET			
PROJECT TITLE	Original CIB Cost Est.	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.

MUNICIPALITY OF ANCHORAGE  
CAPITAL PROJECT CATEGORY SUMMARY

DEPARTMENT-UTILITY: WATER UTILITY

PROJECT CATEGORY: UPGRADE TRANSMISSION

	THOUSANDS OF DOLLARS						FUTURE PROJECT COST	PRIOR YEARS APPROP	TOTAL PROJECT COST
	1981	1982	1983	1984	1985	1986			
CAPITAL INVESTMENT COSTS									
PLANNING AND DESIGN	0	58	18	11	20	10	117		
LAND AND R.O.W.	0	5	3	2	2	2	14		
CONSTRUCTION	0	964	302	183	421	224	2,094		
EQUIPMENT	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
SOURCE OF FUNDS									
G.O. BONDS AUTH							TOTAL FUNDS	REIMBURSABLES	NON-REIMBURSABLES
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	0	0	
STATE GRANT	0	223	93	88	204	60	668	668	
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

THIS CATEGORY CAUSES NO SIGNIFICANT INCREASE IN TAX SUPPORTED OPERATING COSTS

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MUNICIPALITY OF ANCHORAGE -- UCIP - 4  
 CAPITAL IMPROVEMENT PROJECT FINANCIAL SUMMARY

Department MUNICIPAL UTILITIES				Account Code 541=8006-8800					
Program Category ANCHORAGE WATER UTILITY				Project Category UPGRADE TRANSMISSION					
PROJECT TITLE	TOTAL PROJECT COST						BONDS	OTHER LOCAL	STATE OR FEDERAL FUNDS
	1981	1982	1983	1984	1985	1986	<input type="checkbox"/> G.O. <input checked="" type="checkbox"/> REV		
THOUSANDS OF DOLLARS									
1. Vault Upgrade		250						250	
2. Providence Ave. (addn. Appropriation)		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 Erickson)						270	210		60
<b>TOTALS</b>	0	1,185	380	220	510	270	1,647	250	668

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

Department Municipal Utilities		Account Code 541-8006-8800
Program Category Anchorage Water Utility		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)	Project will replace an existing 10-inch line with a 16-inch main. It will provide for increased fire protection of the area and a more efficient and dependable loop system.	
3. Replace "I" St. 10-inch with 16-inch (7th to 4th)	Project will replace a deteriorating wood stave water main with a ductile iron main and will improve the transmission grid in the area.	
4. Replace Spenard Rd. 8-inch with 12-inch (Hillcrest Dr. to 15th Ave.)	Project is necessary for strengthening the north-south portion of our transmission grid across Chester Creek so water will be available for distribution.	
5. Replace "I" St. 10-inch with 16-inch (10th to 15th)	Project will replace a deteriorating wood stave water main with a ductile iron main and will improve the transmission grid in the area.	
6. East 15th Ave. 16-inch (Sitka to Well #2)	Project is necessary to improve transmission grid so water will be available for distribution.	
7. East 15th Ave. 16-inch (Sitka St. to Airport Hts.)	Project is necessary to improve transmission grid so water will be available for distribution.	
8. Replace E. Bluff Rd. 8-inch (Richardson Vista to Erickson)	Project will replace a deteriorating system as required to improve transmission grid in the Government Hill 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. Projects proceed as required on a priority basis.

MUNICIPALITY OF ANCHORAGE  
CAPITAL PROJECT CATEGORY SUMMARY

DEPARTMENT-UTILITY: WATER UTILITY

PROJECT CATEGORY: REPAIR AND REHABILITATION

	THOUSANDS OF DOLLARS						FUTURE PROJECT COST	PRIOR YEARS APPROP	TOTAL PROJECT COST
	1981	1982	1983	1984	1985	1986			
CAPITAL INVESTMENT COSTS									
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		
EQUIPMENT	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
SOURCE OF FUNDS									
G.O. BONDS AUTH							TOTAL FUNDS	REIMBURSABLES	NON-REIMBURSABLES
G.O. BONDS UNAUTH.	0	0	0	0	0	0	0	0	
REVENUE BONDS	252	599	686	737	802	874	3,950		
FEDERAL GRANT	0	0	0	0	0	0	0	0	
STATE GRANT	168	341	384	413	453	496	2,255	2,255	
CONTRIBUTIONS	0	0	0	0	0	0	0		
OPERATING REV	100	80	85	90	95	100	550		
OTHER	0	0	0	0	0	0	0		
TOTAL	520	1,020	1,155	1,240	1,350	1,470	6,755	2,255	4,500

THIS CATEGORY CAUSES NO SIGNIFICANT INCREASE IN TAX SUPPORTED OPERATING COSTS

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MUNICIPALITY OF ANCHORAGE – UCIP - 4  
 CAPITAL IMPROVEMENT PROJECT FINANCIAL SUMMARY

Department				Account Code					
MUNICIPAL UTILITIES				541-8006-8800					
Program Category				Project Category					
ANCHORAGE WATER UTILITY				REPAIR & REHABILITATION					
PROJECT TITLE	TOTAL PROJECT COST						BONDS	OTHER LOCAL	STATE OR FEDERAL FUNDS
	1981	1982	1983	1984	1985	1986	<input type="checkbox"/> G.O. <input checked="" type="checkbox"/> REV		
THOUSANDS OF DOLLARS									
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
<b>TOTALS</b>	520	1,020	1,155	1,240	1,350	1,470	3,950	550	2,255



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

Department <b>Municipal Utilities</b>	Account Code <b>541-8006-8800</b>
Program Category <b>Anchorage Water Utility</b>	Project Category <b>Repair and Rehabilitation</b>
PROJECT TITLE	SUMMARY OF PROJECT SCOPE
1. R&R Emergency	These are emergency projects to repair breaks in the water system. These breaks require immediate attention and the repairs must be done promptly.
2. ADOT Projects	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.
3. Public Works Projects	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 planned.
4. Planned R&R	These improvements consist of up-grading the system on a scheduled basis to eliminate Emergency R&R as much as possible. Emergency R&R is more costly than Planned R&R.
Waterline Replacement "I" St., 7th to 10th	Replace 10-inch wood stave line with 16-inch ductile iron main. (1982)
Waterline Replacement 10th Avenue, "I" Street to 550' West.	Replace 6-inch wood stave line with 8-inch ductile iron main. (1982 or 1983, depending on fund availability)
5. Miscellaneous R&R	Projects that are unscheduled that need repair throughout the year.

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.

MUNICIPALITY OF ANCHORAGE  
CAPITAL PROJECT CATEGORY SUMMARY

DEPARTMENT-UTILITY: WATER UTILITY

PROJECT CATEGORY: NEW EQUIPMENT

	THOUSANDS OF DOLLARS						FUTURE PROJECT COST	PRIOR YEARS APPROP	TOTAL PROJECT COST
	1981	1982	1983	1984	1985	1986			
CAPITAL INVESTMENT COSTS									
PLANNING AND DESIGN	0	0	0	0	0	0	0		
LAND AND R.O.W.	0	0	0	0	0	0	0		
CONSTRUCTION	0	0	0	0	0	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		
<b>TOTAL</b>	<b>100</b>	<b>580</b>	<b>185</b>	<b>205</b>	<b>225</b>	<b>250</b>	<b>1,545</b>	<b>0</b>	<b>1,545</b>
SOURCE OF FUNDS									
G.O. BONDS AUTH							TOTAL FUNDS	REIMBURSABLES	NON-REIMBURSABLES
G.O. BONDS UNAUTH.	0	0	0	0	0	0	0	0	
REVENUE BONDS	100	180	185	205	225	250	1,145		
FEDERAL GRANT	0	0	0	0	0	0	0	0	
STATE GRANT	0	0	0	0	0	0	0	0	
CONTRIBUTIONS	0	0	0	0	0	0	0		
OPERATING REV	0	400	0	0	0	0	400		
OTHER	0	0	0	0	0	0	0		
<b>TOTAL</b>	<b>100</b>	<b>580</b>	<b>185</b>	<b>205</b>	<b>225</b>	<b>250</b>	<b>1,545</b>	<b>0</b>	<b>1,545</b>

THIS CATEGORY CAUSES NO SIGNIFICANT INCREASE IN TAX SUPPORTED OPERATING COSTS

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MUNICIPALITY OF ANCHORAGE – UCIP - 4  
 CAPITAL IMPROVEMENT PROJECT FINANCIAL SUMMARY

Department MUNICIPAL UTILITIES				Account Code 541-8006-8800					
Program Category ANCHORAGE WATER UTILITY				Project Category NEW EQUIPMENT					
PROJECT TITLE	TOTAL PROJECT COST						BONDS	OTHER LOCAL	STATE OR FEDERAL FUNDS
	1981	1982	1983	1984	1985	1986	<input type="checkbox"/> G.O. <input checked="" type="checkbox"/> REV		
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	
<b>TOTALS</b>	100	580	185	205	225	250	1,145	400	

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

Department	Municipal Utilities	Account Code	541-8006-8800
Program Category	Anchorage Water Utility	Project Category	New Equipment
PROJECT TITLE		SUMMARY OF PROJECT SCOPE	
1. Meters	The purchase of meters is necessary to fulfill the requirements of the Water Utility Tariff that mandates the use of meters. Metering encourages the conservation of water.		
2. Vehicles	This project is the orderly replacement of worn out vehicles or wrecked vehicles by accident.		
3. Misc. Equipment	This project is the orderly replacement of worn out or wrecked miscellaneous small equipment beyond the feasibility of being repaired.		
4. Continuous Property Record System	Equipment will provide effective and efficient accountability and internal control of all property records, funds and assets related to the Utility. The project will be in accordance with the Utility's long range plan associated with computerized CPR Systems 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

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.

MUNICIPALITY OF ANCHORAGE  
CAPITAL PROJECT CATEGORY SUMMARY

DEPARTMENT-UTILITY: WATER UTILITY

PROJECT CATEGORY: BUILDINGS

	THOUSANDS OF DOLLARS						FUTURE PROJECT COST	PRIOR YEARS APPROP	TOTAL PROJECT COST
	1981	1982	1983	1984	1985	1986			
CAPITAL INVESTMENT COSTS									
PLANNING AND DESIGN	0	0	0	0	0	0	0		
LAND AND R.O.W.	0	0	0	0	0	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
SOURCE OF FUNDS									
G.O. BONDS AUTH							TOTAL FUNDS	REIMBURSABLES	NON-REIMBURSABLES
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	0	0	0	0	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

THIS CATEGORY CAUSES NO SIGNIFICANT INCREASE IN TAX SUPPORTED OPERATING COSTS

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MUNICIPALITY OF ANCHORAGE – UCIP - 4  
 CAPITAL IMPROVEMENT PROJECT FINANCIAL SUMMARY

Department				Account Code					
MUNICIPAL UTILITIES				541-8006-8800					
Program Category				Project Category					
ANCHORAGE WATER UTILITY				BUILDINGS					
PROJECT TITLE	TOTAL PROJECT COST						BONDS	OTHER LOCAL	STATE OR FEDERAL FUNDS
	1981	1982	1983	1984	1985	1986	<input type="checkbox"/> G.O. <input checked="" type="checkbox"/> REV		
THOUSANDS OF DOLLARS									
1. Headquarters Bldg. Upgrade/ Repair		45	30	25	30	30	160		
2. Security System		50					50		
<b>TOTALS</b>		95	30	25	30	30	210		



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

Department Municipal Utilities		Account Code 541-8006-8800
Program Category Anchorage Water Utility		Project Category Buildings
PROJECT TITLE	SUMMARY OF PROJECT SCOPE	
1. Headquarters Bldg. Upgrade/Repair	This project will provide for upgrade of various areas and facilities at the Utility Headquarters Building.	
2. Security System	Project will provide security and protection for the Utility Headquarters Building. The system will be connected directly to the Police Department or a security service. 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 controlling the building heating, illumination, and air-conditioning systems.	