

MUNICIPALITY OF ANCHORAGE – UCIP - 1  
UTILITY CAPITAL NEEDS ANALYSIS

Department ANCHORAGE WATER AND WASTEWATER UTILITY

Program Category  
ANCHORAGE WATER UTILITY

POLICY GOALS

The primary goal of the Water Utility is to provide quality water at a reasonable cost 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 long term goals of the Water Utility emphasize realistic and orderly development and expansion of the water system including: improved production and reliability of the existing sources of water supply, through redevelopment of operating wells, the addition of new surface water supplies, and improved facility and equipment maintenance; increased production and treatment capability, through construction of additional wells and expansion of the water treatment facility; increased water reservoir storage capacity, which is needed to balance the available supply with all demands; improved monitoring and control of all water system production, treatment, storage and distribution functions, through expansion of the existing telemetry system; expansion of the distribution network in accordance with an identifiable public demand for water; and repair and replacement of existing water mains with a high potential of failure (ie- woodstave mains). With Assembly adoption of the Metropolitan Anchorage Urban Study the Water Utility will also strive for implementation of a Water Development Agency to coordinate use and development of all Anchorage water resources.

MUNICIPALITY OF ANCHORAGE – CIP - 2  
 EXISTING CAPITAL BUDGET SUMMARY

Department	ANCHORAGE WATER AND WASTEWATER UTILITY
Project Category	WATER – RESOURCE DEVELOPMENT

EXISTING CAPITAL IMPROVEMENT BUDGET/PROJECTS COMPLETED DURING PRIOR YEAR

PROJECT TITLE/COST CENTER	Original CIB Cost Est.	Total Current Funding	EXPLANATION/STATUS
Water Distribution Analysis Phase II (1982 p. 276)	70	0	Proceeding as described. Project completed in early 1982.

MUNICIPALITY OF ANCHORAGE  
CAPITAL PROJECT CATEGORY SUMMARY

DEPARTMENT: WATER UTILITY

PROJECT CATEGORY: RESOURCE DEVELOPMENT

	THOUSANDS OF DOLLARS						FUTURE PROJECT COST	PRIOR YEARS APPROF	TOTAL PROJECT COST
	1983	1984	1985	1986	1987	1988			
CAPITAL INVESTMENT COSTS									
PLANNING AND DESIGN	4,063	4,516	4,529	4,767	25	73	17,973		
LAND AND R.O.W.	3,979	3,054	2,610	2,849	11	170	12,673		
CONSTRUCTION	37,254	38,004	37,972	45,723	276	314	159,543		
EQUIPMENT	0	0	0	0	0	0	0		
INTERFUND CHARGES	966	1,102	1,104	1,306	3	6	4,487		
OTHER	4,063	4,174	4,185	4,955	35	62	17,474		
TOTAL	50,325	50,850	50,400	59,600	350	625	212,150	0	212,150
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	150	0	0	0	0	0	150		
FEDERAL GRANT	0	0	0	0	0	0	0	0	
STATE GRANT	49,900	50,730	50,150	59,600	230	400	211,010	211,010	
CONTRIBUTIONS	0	0	0	0	0	0	0		
OPERATING REV	275	120	250	0	120	225	990		
OTHER	0	0	0	0	0	0	0		
TOTAL	50,325	50,850	50,400	59,600	350	625	212,150	211,010	1,140

**MUNICIPALITY OF ANCHORAGE – CIP - 4  
CAPITAL IMPROVEMENT PROJECT FINANCIAL SUMMARY**

Department		Account Code					Project Category			
ANCHORAGE WATER AND WASTEWATER UTILITY		541-8006-8800					RESOURCE DEVELOPMENT			
Program Category		TOTAL PROJECT COST					BONDS		OTHER LOCAL	STATE OR FEDERAL FUNDS
ANCHORAGE WATER UTILITY		1983	1984	1985	1986	1987	1988	<input type="checkbox"/> G.O.		
								<input checked="" type="checkbox"/> REV		
PROJECT TITLE		THOUSANDS OF DOLLARS								
Water Master Plan		75					25		100	
Eklutna Water Supply Project		48,000	50,000	50,000	59,200					207,200
Acquisition of Existing Wells/Water Systems		1,500	650							2,150
Production Well Sites		200		250			200		650	
Production Well #14, 15, 16		150		150		150		150		300
Production Well House #14, 15, 16		400			400		400			1,200
Test Wells			200			200			240	160
<b>TOTALS</b>		<b>50,325</b>	<b>50,850</b>	<b>50,400</b>	<b>59,600</b>	<b>350</b>	<b>625</b>	<b>150</b>	<b>990</b>	<b>211,010</b>

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

Department ANCHORAGE WATER AND WASTEWATER UTILITY	Account Code 541-8006-8800
Program Category ANCHORAGE WATER UTILITY	Project Category RESOURCE DEVELOPMENT
PROJECT TITLE	SUMMARY OF PROJECT SCOPE
Water Master Plan	Project would revise a 12 year old water plan to address current projections and anticipated expansions. Master Plan would be updated at 5 year intervals.
Eklutna Water Supply Project	This project establishes a project management organization, preliminary and detail design programs, and pilot plant analysis for the development of Eklutna Lake as Anchorage's major water supply source for the future.
Acquisition of Existing Wells/ Water Systems	Provides for the purchase of existing production wells/water systems within our water service area. Due to increasing population and user demands, the Water Utility must increase its supply and service.
Production Well Sites	The Water Utility must increase its production capabilities to keep up with population increases and user demand. Final production well site selections will be based on the out come of prior years test well programs.
Production Well #14, 15, 16	This project would allow for the actual drilling of production wells #14, 15 and 16. These wells are necessary to keep up with the demand for water. Well #14, which is planned for the Section 16 area, was recommended in the 1980 Water Distribution Analysis Final Report, page 90. It also recommended this well be on line by 1985.
Production Well House #14, 15 and 16	This project will provide for the design and construction of a well house and appurtenant items for production well #14, 15 and 16.
Test Wells	Project is necessary to locate production quantities of water prior to expending large amounts of money constructing production wells.

MUNICIPALITY OF ANCHORAGE — CIP - 2  
 EXISTING CAPITAL BUDGET SUMMARY

Department	ANCHORAGE WATER AND WASTEWATER UTILITY
Project Category	WATER - TREATMENT

EXISTING CAPITAL IMPROVEMENT BUDGET/PROJECTS COMPLETED DURING PRIOR YEAR			
PROJECT TITLE/COST CENTER	Original CIB Cost Est.	Total Current Funding	EXPLANATION/STATUS
Upgrade Wells (1982 p. 280) (8722-4131)	125	15	Proceeding as described, redevelopment is scheduled for late 1982.
Telemetry, Phase II (1982 p. 280)(8838-8381)	286	25	Proceeding as described, project will reduce the time necessary for operating and monitoring wells, valves, and other facilities which must presently be operated manually.

MUNICIPALITY OF ANCHORAGE  
CAPITAL PROJECT CATEGORY SUMMARY

DEPARTMENT: WATER UTILITY

PROJECT CATEGORY: TREATMENT

	THOUSANDS OF DOLLARS						FUTURE PROJECT COST	PRIOR YEARS APPROF	TOTAL PROJECT COST
	1983	1984	1985	1986	1987	1988			
CAPITAL INVESTMENT COSTS									
PLANNING AND DESIGN	84	42	43	6	6	6	187		
LAND AND R.O.W.	0	0	0	0	0	0	0		
CONSTRUCTION	11,230	444	470	63	63	63	12,333		
EQUIPMENT	137	0	0	0	0	0	137		
INTERFUND CHARGES	301	12	9	2	2	2	328		
OTHER	1,058	37	43	4	4	4	1,150		
<b>TOTAL</b>	<b>12,810</b>	<b>535</b>	<b>565</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>14,135</b>	<b>0</b>	<b>14,135</b>
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	685	0	0	0	0	0	685		
FEDERAL GRANT	0	0	0	0	0	0	0	0	
STATE GRANT	12,000	0	0	0	0	0	12,000	12,136	
CONTRIBUTIONS	0	0	0	0	0	0	0		
OPERATING REV	125	535	565	75	75	75	1,450		
OTHER	0	0	0	0	0	0	0		
<b>TOTAL</b>	<b>12,810</b>	<b>535</b>	<b>565</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>14,135</b>	<b>12,136</b>	<b>1,999</b>





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

Department	ANCHORAGE WATER AND WASTEWATER UTILITY	Account Code	541-8006-8800
Program Category	ANCHORAGE WATER UTILITY	Project Category	TREATMENT
PROJECT TITLE	SUMMARY OF PROJECT SCOPE		
Upgrade Well #9	<p>This project will restore well #9 to maximum efficiency. The project scope requires that the wells be pulled; pump screens replaced; drawdown measuring equipment restored; motors serviced, sandblasted, repainted or replaced if necessary; all electrical systems upgraded; telemetering equipment replaced; chemical feed system failure alert, door security and low temperature alarms installed; water to waste plumbing system redesigned, and the building renovated inside and out.</p>		
Upgrade Well #11	<p>This project will enlarge the existing well structure to provide room for a chlorine and a fluoride room. In addition, the piping restrictions that have been designed into the facility will be removed. The new piping will by-pass well #10 and "Y" into the 16-inch transmission line to reservoir #3.</p>		
Telemetering, Phase III	<p>This project will reduce the time necessary for operating and monitoring wells, valves, and other facilities which must be operated manually at present.</p>		
Ship Creek Treatment Plant Expansion	<p>Anticipated appropriations are needed to begin construction in 1983. This project will expand the existing water treatment plant to a 20 MGD plus capacity. Design was initiated in 1982.</p>		
Miscellaneous Well Upgrades	<p>This project will provide select capital improvements to our existing wells on an ongoing basis, beginning with the addition of chlorination equipment to the Eagle River wells in 1983.</p>		
Upgrade Well #1	<p>This project will restore well #1 to maximum efficiency. The project scope requires that the wells be pulled; pump screens replaced; draw down measuring equipment restored; motors serviced, sandblasted, repainted or replaced if necessary; all electrical systems upgraded; telemetering equipment replaced; chemical feed system failure alert, door security and low temperature alarms installed; landscaping; and the building renovated inside and out.</p>		

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

Department		ANCHORAGE WATER AND WASTEWATER UTILITY					Account Code			
Program Category		ANCHORAGE WATER UTILITY					541-8006-8800			
		Project Category					TREATMENT			
PROJECT TITLE	TOTAL PROJECT COST						BONDS <input type="checkbox"/> G.O. <input checked="" type="checkbox"/> REV	OTHER LOCAL	STATE OR FEDERAL FUNDS	
	1983	1984	1985	1986	1987	1988				
THOUSANDS OF DOLLARS										
Upgrade Well #7/Beautification		30						30		
Abandon Well #2		30						30		
Ship Creek Treatment Plant Computer Interface		150	150					300		
Ship Creek Treatment Plant Maintenance Software Conversion		75						75		
Upgrade Auxiliary Power Well #11			150					150		
Upgrade Well #3			140					140		
Abandon Well #6			50					50		
<b>TOTALS</b>		12,810	535	565	75	75	75	685	1,450	12,000

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

Department ANCHORAGE WATER AND WASTEWATER UTILITY		Account Code 541-8006-8800
Program Category ANCHORAGE WATER UTILITY		Project Category TREATMENT
PROJECT TITLE	SUMMARY OF PROJECT SCOPE	
Upgrade Well #7/Beautification	This project will remodel well house #7 to make it aesthetically compatible with the new telephone utility's building. The existing security fencing is to be removed, facility lighting upgraded, and landscaping provided. The telemetering is to be expanded to provide for an open door alarm to be signaled to the Water Treatment Plant.	
Abandon Well #2	The project will remove well #2 from the well system. The well will be capped in accordance with State Law, the building raised, fencing removed, and the site abandoned.	
Ship Creek Treatment Plant - Computer Interface	This project will interface and automate the water treatment plant control/monitoring system with the computer upon completion of the treatment plant expansion. The project will provide supervisory control and monitoring capabilities for the plant similar to the Eagle River SCADA system and will integrate Phase III Telemetry into a total system configuration.	
Ship Creek Treatment Plant Maintenance Software Conversion	The project will convert the Treatment Plant Maintenance Software, proposed for development in 1983, to run on the Water Treatment Plant computer.	
Upgrade Auxiliary Power Well #11	This project will provide auxiliary/emergency power to run well #11 when a power outage occurs and the normal power supply is curtailed.	
Upgrade well #3	The project will restore well #3 to maximum efficiency. The project scope requires that the wells be pulled; pump screens replaced; draw-down measuring equipment restored; motors serviced, sandblasted, repainted or replaced if necessary; all electrical systems upgraded; telemetering equipment replaced; chemical feed system failure alert, door security and low temperature alarms installed; landscaping; and the building painted inside and out.	
Abandon Well #6	This project will remove well #6 from the well system. The well will be capped in accordance with State Law, the building raised, fencing removed, and the site abandoned	

MUNICIPALITY OF ANCHORAGE – CIP - 2  
EXISTING CAPITAL BUDGET SUMMARY

Department  
ANCHORAGE WATER AND WASTEWATER UTILITY  
Project Category WATER – DISTRIBUTION RESERVOIRS

EXISTING CAPITAL IMPROVEMENT BUDGET/PROJECTS COMPLETED DURING PRIOR YEAR

PROJECT TITLE/COST CENTER	Original CIB Cost Est.	Total Current Funding	EXPLANATION/STATUS
Construct 10 MG Reservoir #4 at Tudor and Patterson (1979 p. 110) (8838-8721)	1,500	244	Design completed in 1982. Construction scheduled for 1982/1983. Additional state grant funds will be appropriated as offers are received.

MUNICIPALITY OF ANCHORAGE  
CAPITAL PROJECT CATEGORY SUMMARY

DEPARTMENT: WATER UTILITY

PROJECT CATEGORY: DISTRIBUTION RESERVOIRS

	THOUSANDS OF DOLLARS						FUTURE PROJECT COST	PRIOR YEARS APPROP	TOTAL PROJECT COST
	1983	1984	1985	1986	1987	1988			
CAPITAL INVESTMENT COSTS									
PLANNING AND DESIGN	789	56	397	111	48	117	1,518		
LAND AND R.O.W.	39	528	420	445	486	526	2,444		
CONSTRUCTION	463	2,053	1,755	4,008	0	2,825	11,104		
EQUIPMENT	0	0	0	0	0	0	0		
INTERFUND CHARGES	18	45	41	77	7	47	235		
OTHER	141	293	287	509	59	385	1,674		
TOTAL	1,450	2,975	2,900	5,150	600	3,900	16,975	3,750	20,725
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	1,200	450	500	550	600	650	3,950		
FEDERAL GRANT	0	0	0	0	0	0	0	0	
STATE GRANT	250	2,450	2,400	3,900	0	2,500	11,500	11,500	
CONTRIBUTIONS	0	0	0	0	0	0	0		
OPERATING REV	0	75	0	700	0	750	1,525		
OTHER	0	0	0	0	0	0	0		
TOTAL	1,450	2,975	2,900	5,150	600	3,900	16,975	11,500	5,475

**MUNICIPALITY OF ANCHORAGE – CIP - 4  
CAPITAL IMPROVEMENT PROJECT FINANCIAL SUMMARY**

Department ANCHORAGE WATER AND WASTEWATER UTILITY				Account Code 541-8006-8800					
Program Category ANCHORAGE WATER UTILITY				Project Category DISTRIBUTION RESERVOIRS					
PROJECT TITLE	TOTAL PROJECT COST						BONDS	OTHER LOCAL	STATE OR FEDERAL FUNDS
	1983	1984	1985	1986	1987	1988	<input type="checkbox"/> G.O. <input checked="" type="checkbox"/> REV		
THOUSANDS OF DOLLARS									
Reservoir Painting #1,2,3 and Regional Park	550	75		700		750	550	1,525	
Distribution Reservoir Eagle River	250	200	2,000						2,450
Distribution Reservoir Section 16	650	2,250					650		2,250
Distribution Reservoir Site Acquisition		450	500	550	600	650	2,750		
Miscellaneous Distribution Reservoirs			400	3,900		2,500			6,800
<b>TOTALS</b>	1,450	2,975	2,900	5,150	600	3,900	3,950	1,525	11,500

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

Department	ANCHORAGE WATER AND WASTEWATER UTILITY	Account Code	541-8006-8800
Program Category	ANCHORAGE WATER UTILITY	Project Category	DISTRIBUTION RESERVOIRS

PROJECT TITLE	SUMMARY OF PROJECT SCOPE
Reservoir Painting #1,2,3, and Regional Park	The scope of this project is to sandblast and re-paint reservoirs #1, 2, 3, and Regional Park. Painting and sandblasting will be in accordance with specifications previously developed and awarded under contract for completion in 1979. All terms and conditions of that contract are to be retained and any new addendums or conditions are to be coordinated through the Municipal Legal Department before the contract is rebid.
Distribution Reservoir - Eagle River	This multi-phased project will require a preliminary site location study; site acquisition; and environmental impact studies. Design and construction completion of the project is expected to take two to five years depending on the size and location of the reservoir. A feasibility study and preliminary site location is scheduled for 1983.
Distribution Reservoir/Section 16	This project would provide for the construction of a water storage reservoir in the south part of town, section 16 area. The reservoir would increase the availability of treated water to the Utility's customers, especially during periods of peak consumption, power outages, fire, etc. The demand for treated water is continually increasing in this part of town.
Distribution Reservoir Site Acquisition	Due to the increasing population of Anchorage, the Water Utility must increase its reservoir storage capabilities in order to keep up with user demand. This project would provide for the acquisition of storage reservoir sites.
Miscellaneous Distribution Reservoirs	This project would provide for the design and construction of miscellaneous distribution reservoirs. Due to customer increases and the subsequent demand for water at peak periods, additional storage capacity in the water system is essential. This project was addressed in the 1980 Water Distribution Analysis.

MUNICIPALITY OF ANCHORAGE – CIP - 2  
EXISTING CAPITAL BUDGET SUMMARY

Department  
ANCHORAGE WATER AND WASTEWATER UTILITY  
Project Category WATER - TRANSMISSION

EXISTING CAPITAL IMPROVEMENT BUDGET/PROJECTS COMPLETED DURING PRIOR YEAR

PROJECT TITLE/COST CENTER	Original CIB Cost Est.	Total Current Funding	EXPLANATION/STATUS
Private Development Over- sizing (1982 p. 288)	40	0	Project will reimburse private developers for any oversizing at water- lines required by the Water Utility.
Abbott Loop 30-inch/ Tudor to Abbott Road (1982 p. 288)	150	0	Project scheduled for design in late 1982 with construction in 1983, 1984, and 1985.



MUNICIPALITY OF ANCHORAGE  
CAPITAL PROJECT CATEGORY SUMMARY

DEPARTMENT: WATER UTILITY

PROJECT CATEGORY: TRANSMISSION

	THOUSANDS OF DOLLARS						FUTURE PROJECT COST	PRIOR YEARS APPROP	TOTAL PROJECT COST
	1983	1984	1985	1986	1987	1988			
CAPITAL INVESTMENT COSTS									
PLANNING AND DESIGN	287	298	268	326	294	372	1,845		
LAND AND R.O.W.	133	192	121	142	167	215	970		
CONSTRUCTION	2,224	3,208	2,485	3,079	2,986	3,803	17,785		
EQUIPMENT	0	0	0	0	0	0	0		
INTERFUND CHARGES	22	50	37	45	44	54	252		
OTHER	189	397	299	368	349	446	2,048		
TOTAL	2,855	4,145	3,210	3,960	3,840	4,890	22,900	5,950	28,850
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	1,355	399	180	738	396	300	3,368		
FEDERAL GRANT	0	0	0	0	0	0	0	0	
STATE GRANT	1,300	3,526	2,652	2,872	3,024	4,000	17,374	17,540	
CONTRIBUTIONS	0	0	0	0	0	0	0		
OPERATING REV	200	220	378	350	420	590	2,158		
OTHER	0	0	0	0	0	0	0		
TOTAL	2,855	4,145	3,210	3,960	3,840	4,890	22,900	17,540	5,360



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

Department ANCHORAGE WATER AND WASTEWATER UTILITY		Account Code 541-8006-8800
Program Category ANCHORAGE WATER UTILITY		Project Category TRANSMISSION
PROJECT TITLE	SUMMARY OF PROJECT SCOPE	
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.	
Lake Otis/Abbott to O'Malley	This project will provide service to Section 16 and two schools. The project will also tie proposed Well #14 into the Southeast transmission grid helping to relieve pressure and flow deficiencies.	
Booster Station - Muldoon Area	Project will bring existing substandard pressure and fire flows in the Muldoon area up to minimum standards or better.	
Chugach Way/Arctic Boulevard to Spenard Road	This project will eliminate a flow problem within this area and will provide water to an area along Chugach Way that Presently has no water.	
4th Avenue/Gambell to "A" Street	Project will increase considerably the available fire flows for the Central Business District.	
Eagle River System Interties	This project serves to interconnect existing systems as acquired to equalize supplies and demands where possible.	
Spruce Street/Lore Road to 68th Avenue	Project is necessary for transmission grid and will provide water to an area along Spruce Street that presently has no water.	
Miscellaneous New Pressure Reducing Valves	Rapid development is occurring over a variety of different elevations. Many of these areas can only be served through the use of PRV's. The only alternative to installing the PRV's is to construct several miles of new pipe to serve these areas.	
40th Avenue/"C" Street to Denali	Project is necessary to complete a loop between well 7 and well 12 and strengthen the transmission grid.	
Abbott Loop/Tudor to Abbott Road	<p>Project was recommended in the 1971 Water Distribution System Analysis Report and 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 section 16 and south Anchorage. The project will be designed in 1982 with construction of Phase I, Tudor Road to Well 13, in 1983. The remainder of the project will be constructed as follows:</p> <p style="padding-left: 40px;">Phase II - from well No. 13 to 76th Avenue                      Phase III - from 76th Avenue to Abbott Road</p>	

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

Department ANCHORAGE WATER AND WASTEWATER UTILITY		Account Code 541-8006-8800							
Program Category ANCHORAGE WATER UTILITY		Project Category TRANSMISSION							
PROJECT TITLE	TOTAL PROJECT COST						BONDS	OTHER LOCAL	STATE OR FEDERAL FUNDS
	1983	1984	1985	1986	1987	1988	<input type="checkbox"/> G.O. <input checked="" type="checkbox"/> REV		
THOUSANDS OF DOLLARS									
Abbott Road/Abbott Loop to Lake Otis		800							800
Debarr - 15th Avenue/Airport Heights to Sitka		480					288		192
Dowling Road/Spruce Street to Arctic Boulevard			300	300	500	500	960		640
Miscellaneous New Transmission Mains			1,000	2,000	2,500	2,750			8,250
Lore Road/Lake Otis to Abbott Loop				750			450		300
72nd Avenue/Hyatt to Lake Otis				180			108		72
Denali Street/40th Avenue to Tudor Road					160		96		64
4th Avenue/"A" Street to "I" Street						610			610
<b>TOTALS</b>	<b>2,855</b>	<b>4,145</b>	<b>3,210</b>	<b>3,960</b>	<b>3,840</b>	<b>4,890</b>	<b>3,368</b>	<b>2,158</b>	<b>17,374</b>

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

Department ANCHORAGE WATER AND WASTEWATER UTILITY	Account Code 541-8006-8800
Program Category ANCHORAGE WATER UTILITY	Project Category TRANSMISSION

PROJECT TITLE	SUMMARY OF PROJECT SCOPE
Abbott Road/Abott Loop to Lake Otis	Project will increase available fire flows for the southern portion of the service area in the Independence Park Area. It will also connect a proposed well and reservoir in the area of Section 16 to the existing system.
Debarr-15th Avenue/Airport Heights to Sitka	Project will provide an alternate water source to the north portion of the system and provide a looped system for higher levels of fire protection in the Merrill Field and Central Business District areas.
Dowling Road/Spruce Street to Arctic Boulevard	Project will provide a primary transmission route to southwest Anchorage and the Central Alaska Utilities area.
Miscellaneous New Transmission Mains	Project will provide for the design and construction of new transmission mains in order to keep pace with the rapid development being experienced.
Lore Road/Lake Otis to Abbott Loop	Project is necessary for the transmission grid and will provide water to an area along Lore Road that presently has no water.
72nd Avenue/Hyatt to Lake Otis	Project is necessary for the transmission grid and will provide water to an area along 72nd Avenue that presently has no water.
Denali Street/40th Avenue to Tudor Road	Project will strengthen the transmission grid system.
4th Avenue/"A" Street to "I" Street	Project will considerably increase the available fire flows for the Central Business District

**MUNICIPALITY OF ANCHORAGE – CIP - 2  
EXISTING CAPITAL BUDGET SUMMARY**

Department	ANCHORAGE WATER AND WASTEWATER UTILITY
Project Category	WATER – DISTRIBUTION

**EXISTING CAPITAL IMPROVEMENT BUDGET/PROJECTS COMPLETED DURING PRIOR YEAR**

PROJECT TITLE/COST CENTER	Original CIB Cost Est.	Total Current Funding	EXPLANATION/STATUS
Anticipated W.I.D's (1982 p. 294)	750	0	Water Improvement Districts are initiated by property owners in any part of the Water Utility's service area requesting service be provided. Proceeding as described.

MUNICIPALITY OF ANCHORAGE  
CAPITAL PROJECT CATEGORY SUMMARY

DEPARTMENT: WATER UTILITY

PROJECT CATEGORY: DISTRIBUTION

	THOUSANDS OF DOLLARS						FUTURE PROJECT COST	PRIOR YEARS APPROP	TOTAL PROJECT COST
	1983	1984	1985	1986	1987	1988			
<b>CAPITAL INVESTMENT COSTS</b>									
PLANNING AND DESIGN	135	85	95	113	131	176	735		
LAND AND R.O.W.	72	45	51	66	71	85	390		
CONSTRUCTION	1,040	660	727	860	1,003	1,194	5,484		
EQUIPMENT	0	0	0	0	0	0	0		
INTERFUND CHARGES	105	66	73	87	101	122	554		
OTHER	148	94	104	124	144	173	787		
<b>TOTAL</b>	<b>1,500</b>	<b>950</b>	<b>1,050</b>	<b>1,250</b>	<b>1,450</b>	<b>1,750</b>	<b>7,950</b>	<b>0</b>	<b>7,950</b>
<b>SOURCE OF FUNDS</b>									
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	1,500	570	630	750	870	1,050	5,370		
FEDERAL GRANT	0	0	0	0	0	0	0	0	
STATE GRANT	0	380	420	500	580	700	2,580	2,880	
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>1,500</b>	<b>950</b>	<b>1,050</b>	<b>1,250</b>	<b>1,450</b>	<b>1,750</b>	<b>7,950</b>	<b>2,880</b>	<b>5,070</b>

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

Department ANCHORAGE WATER AND WASTEWATER UTILITY				Account Code 541-8006-8800					
Program Category ANCHORAGE WATER UTILITY				Project Category DISTRIBUTION					
PROJECT TITLE	TOTAL PROJECT COST						BONDS	OTHER LOCAL	STATE OR FEDERAL FUNDS
	1983	1984	1985	1986	1987	1988	<input type="checkbox"/> G.O. <input checked="" type="checkbox"/> REV		
THOUSANDS OF DOLLARS									
Anticipated Water Improvement Districts (W.I.D.'s)	1,500	950	1,050	1,250	1,450	1,750	5,370		2,580
<b>TOTALS</b>	1,500	950	1,050	1,250	1,450	1,750	5,370		2,580



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

Department ANCHORAGE WATER AND WASTEWATER UTILITY	Account Code 541-8006-8800
Program Category ANCHORAGE WATER UTILITY	Project Category DISTRIBUTION
PROJECT TITLE	SUMMARY OF PROJECT SCOPE
Anticipated Water Improvement Districts (W.I.D's)	Projects are initiated by property owners in any part of the Water Utility's service area requesting service be provided. Costs are computed and approved by over 50% of the affected property owners. The improvement districts are then officially created by the Assembly and planning is begun to provide the level of service requested.

**MUNICIPALITY OF ANCHORAGE – CIP - 2  
EXISTING CAPITAL BUDGET SUMMARY**

Department <b>ANCHORAGE WATER AND WASTEWATER UTILITY</b>
Project Category <b>WATER – UPGRADE TRANSMISSION</b>

**EXISTING CAPITAL IMPROVEMENT BUDGET/PROJECTS COMPLETED DURING PRIOR YEAR**

PROJECT TITLE/COST CENTER	Original CIB Cost Est.	Total Current Funding	EXPLANATION/STATUS
Miscellaneous Valve Vault Improvements (1982 p. 298)	150	0	Proceeding as described. Project will upgrade and rehabilitate miscellaneous pressure reducing vaults.

MUNICIPALITY OF ANCHORAGE  
CAPITAL PROJECT CATEGORY SUMMARY

DEPARTMENT: WATER UTILITY

PROJECT CATEGORY: UPGRADE TRANSMISSION

	THOUSANDS OF DOLLARS						FUTURE PROJECT COST	PRIOR YEARS APPROP	TOTAL PROJECT COST
	1983	1984	1985	1986	1987	1988			
CAPITAL INVESTMENT COSTS									
PLANNING AND DESIGN	174	457	188	184	114	92	1,209		
LAND AND R.O.W.	88	179	105	86	28	37	523		
CONSTRUCTION	1,416	2,731	1,958	1,502	938	756	9,301		
EQUIPMENT	0	0	0	0	0	0	0		
INTERFUND CHARGES	24	55	32	27	18	15	171		
OTHER	188	378	247	201	122	100	1,236		
TOTAL	1,890	3,800	2,530	2,000	1,220	1,000	12,440	3,700	16,140
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	490	1,230	885	600	765	600	4,570		
FEDERAL GRANT	0	0	0	0	0	0	0	0	
STATE GRANT	1,400	2,263	1,415	1,200	255	200	6,733	6,767	
CONTRIBUTIONS	0	0	0	0	0	0	0		
OPERATING REV	0	307	230	200	200	200	1,137		
OTHER	0	0	0	0	0	0	0		
TOTAL	1,890	3,800	2,530	2,000	1,220	1,000	12,440	6,767	5,673



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

Department	ANCHORAGE WATER AND WASTEWATER UTILITY	Account Code	541-8006-8800
Program Category	ANCHORAGE WATER UTILITY	Project Category	UPGRADE TRANSMISSION
PROJECT TITLE	SUMMARY OF PROJECT SCOPE		
Vault Rehabilitation, #4	This project, which would upgrade Vault #4, has been bid twice and the bids rejected. It has been determined that additional funds are necessary in order to complete the project as specified.		
Vault Rehabilitation, McGinnis	This project is to bring the McGinnis Vault up to standards established for Municipal vault construction in 1980. This includes upgrading the lighting, tele-metering control, and environmental control system and providing modern safe entry and exit capabilities.		
Vault Rehabilitation, E. 74th	This project is to bring the E. 74th Vault up to standards established for Municipal vault construction in 1980. Special problems individual to E. 74th are long range entry and exit plans and the restoration of power to the facility.		
Replace "I" Street 10 - inch/ 4th to 7th Avenue	Project will replace a deteriorating system as required to improve the transmission grid so water will be available for distribution. The project will also increase reliability of the system in the event of a major fire.		
Miscellaneous E. R. Waterline Upgrades	Project will replace undersized distribution mains in newly acquired service areas and also strengthen the major distribution network.		
Miscellaneous Valve Vault Improvements	This project is for the upgrade and rehabilitation of 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.		
Providence Avenue/AMU East 1800 Feet	Project is necessary for the transmission grid to provide water for distribution to the institutional area which was identified in the Water Distribution Analysis Final Report dated November 1980 as being an area of low water flow.		
Spenard Road/Hillcrest to 15th Avenue	Project is necessary for the transmission grid so water will be available for distribution.		
Replace "I" Street 10 inch/ 7th to 15th Avenue	Project will replace deteriorating 10 inch wood stave water main with a ductile iron main and will improve the transmission grid in the area.		
East 15th Avenue/Sitka to Well #2	Project is necessary to improve the transmission grid so water will be available for distribution.		

**MUNICIPALITY OF ANCHORAGE – CIP - 4  
CAPITAL IMPROVEMENT PROJECT FINANCIAL SUMMARY**

Department <b>ANCHORAGE WATER AND WASTEWATER UTILITY</b>				Account Code <b>541-8006-8800</b>					
Program Category <b>ANCHORAGE WATER UTILITY</b>				Project Category <b>UPGRADE TRANSMISSION</b>					
PROJECT TITLE	TOTAL PROJECT COST						BONDS	OTHER LOCAL	STATE OR FEDERAL FUNDS
	1983	1984	1985	1986	1987	1988	<input type="checkbox"/> G.O. <input checked="" type="checkbox"/> REV		
THOUSANDS OF DOLLARS									
West Northern Lights/Wendys Way to Telequana		465							465
Upgrade Booster Station/Boston		150					150		
PRV System Expansion/ Government Hill		150	600				450		300
Upgrade Booster Station/ Century Village			50					50	
Miscellaneous Upgrade Transmission Mains			700	800	600	800	2,175		725
Replace 15th Avenue 10- inch / "C" to "I" Street					420		315		105
<b>TOTALS</b>	<b>1,890</b>	<b>3,800</b>	<b>2,530</b>	<b>2,000</b>	<b>1,220</b>	<b>1,000</b>	<b>4,570</b>	<b>1,137</b>	<b>6,733</b>

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

Department ANCHORAGE WATER AND WASTEWATER UTILITY		Account Code 541-8006-8800
Program Category ANCHORAGE WATER UTILITY		Project Category UPGRADE TRANSMISSION
PROJECT TITLE	SUMMARY OF PROJECT SCOPE	
West Northern Lights/Wendys Way to Telequana	Project will be constructed in conjunction with the State Department of Transportation and Public Facilities upgrade of West Northern Lights Boulevard. It is needed to improve the transmission grid in the area and to provide increased availability of water in the event of a major fire.	
Upgrade Booster Station/Boston	Project will upgrade the Boston Booster Station by providing insulation, a new stairwell, lighting, ventilation, sandblasting and refinishing all metal surfaces, and upgrading the controls, gauges, heaters, and sump pump as necessary.	
PRV System Expansion/ Government Hill	Project will develop a new pressure zone in the Government Hill Area and require three to four new pressure reducing vaults.	
Upgrade Booster Station/ Century Village	Project will upgrade the Century Village booster station and remodel it to be compatible with the new Reservoir #4 structures. The upgrade will also include lighting, ventilation, heating, controls, gauges, and provide an off-road parking area.	
Miscellaneous Upgrade Transmission Mains	Project will provide for the installation of needed transmission mains required in future years to meet the expanded growth and density of the system.	
Replace 15th Avenue 10-inch, "C" to "I" Street	Project will replace a deteriorating wood stave water main with a ductile iron main and will improve the transmission grid in the area.	

MUNICIPALITY OF ANCHORAGE – CIP - 2  
EXISTING CAPITAL BUDGET SUMMARY

Department	ANCHORAGE WATER AND WASTEWATER UTILITY
Project Category	WATER – REPAIR AND REHABILITATION

EXISTING CAPITAL IMPROVEMENT BUDGET/PROJECTS COMPLETED DURING PRIOR YEAR			
PROJECT TITLE/COST CENTER	Original CIB Cost Est.	Total Current Funding	EXPLANATION/STATUS
R & R Emergency (1982 p. 304)	100	100	Proceeding as described. Project is to repair or replace defects in the system on an unscheduled, as required basis.
State DOTPF Highway Related Projects (1982 p. 304)	260	260	Proceeding as described. 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.
Public Works Road Related Projects (1982 p. 304)	160	160	Proceeding as described. 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.
Wood Stave Line Replacements (1982 p. 304)	220	220	Proceeding as described. Project will replace deteriorated wood stave water mains with ductile iron water mains.
Fire Department Requests (1982 p. 304)	100	100	Proceeding as described. Project will upgrade existing mains and hydrants to meet Fire Department requirements.
Miscellaneous Upgrade (1982 p. 304)	35	35	Proceeding as described. Project will upgrade miscellaneous water mains to meet customer requirements on an as required basis.



MUNICIPALITY OF ANCHORAGE  
CAPITAL PROJECT CATEGORY SUMMARY

DEPARTMENT: WATER UTILITY

PROJECT CATEGORY: REPAIR AND REHABILITATION

	THOUSANDS OF DOLLARS						FUTURE PROJECT COST	PRIOR YEARS APPROP	TOTAL PROJECT COST
	1983	1984	1985	1986	1987	1988			
CAPITAL INVESTMENT COSTS									
PLANNING AND DESIGN	134	112	86	95	107	124	658		
LAND AND R.O.W.	62	57	43	47	59	64	332		
CONSTRUCTION	1,410	1,086	864	1,013	1,109	1,164	6,646		
EQUIPMENT	0	0	0	0	0	0	0		
INTERFUND CHARGES	35	32	41	53	34	35	230		
OTHER	189	148	121	137	151	158	904		
TOTAL	1,830	1,435	1,155	1,345	1,460	1,545	8,770	0	8,770

SOURCE OF FUNDS							TOTAL FUNDS	REIMBUR SABLES	NON-REIM BURSABLES
	1983	1984	1985	1986	1987	1988			
G.O. BONDS AUTH									
G.O. BONDS UNAUTH.	0	0	0	0	0	0	0	0	
REVENUE BONDS	1,560	788	574	713	794	854	5,283		
FEDERAL GRANT	0	0	0	0	0	0	0	0	
STATE GRANT	0	412	346	397	431	456	2,042	2,233	
CONTRIBUTIONS	0	0	0	0	0	0	0		
OPERATING REV	270	235	235	235	235	235	1,445		
OTHER	0	0	0	0	0	0	0		
TOTAL	1,830	1,435	1,155	1,345	1,460	1,545	8,770	2,233	6,537



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

Department ANCHORAGE WATER AND WASTEWATER UTILITY	Account Code 541-8006-8800
Program Category ANCHORAGE WATER UTILITY	Project Category REPAIR AND REHABILITATION
PROJECT TITLE	SUMMARY OF PROJECT SCOPE
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.
State DOTPF Highway Related 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.
Public Works/Road Related Projects	Miscellaneous Projects that occur as a result of various Public Works/Road paving projects that require relocations or construction of new facilities prior to paving. These projects are designed and constructed as planned.
Woodstave Line Replacements	<p>Project will replace deteriorating woodstave water mains with ductile iron water mains and will improve the transmission grids in the affected areas by increasing main sizes as necessary to meet expanding water needs. Mains scheduled for replacement include the following:</p> <p>1983 - 10th Avenue between "I" and "N" Streets. (6 inch woodstave)</p> <p style="padding-left: 40px;">Elm Street Between Dogwood and Bluff. (6 inch woodstave)</p> <p>1984 Park Strip between 9th and 10th Avenue and "M" and "N" Streets (6 inch woodstave)</p> <p>1985 13th Avenue from "K" to "I" Street. ( 6 inch woodstave)</p> <p>1986 15th Avenue from "I" to "L" Street. ( 8 inch woodstave)</p> <p style="padding-left: 40px;">Cassius Court from Rosemary to Thunderbird. ( 6 inch woodstave to)</p> <p>1987 "K" Street Between 13th Street and 16th Street. (6 inch woodstave)</p> <p style="padding-left: 40px;">Alley between 10th Avenue and 14th Avenue and "G" Street and "H" Street. (6 inch woodstave)</p> <p>1988 "G" Street between 11th and the Alley between 9th and 10th and 11th Avenue between "G" - "H" Alley and "G" - "F" Alley. (6 inch woodstave)</p> <p style="padding-left: 40px;">Alley between Manor and Harvard and Brown and Erikson. (6 inch woodstave)</p>

**MUNICIPALITY OF ANCHORAGE -- CIP - 4  
CAPITAL IMPROVEMENT PROJECT FINANCIAL SUMMARY**

Department ANCHORAGE WATER AND WASTEWATER UTILITY				Account Code 541-8006-8800					
Program Category ANCHORAGE WATER UTILITY				Project Category REPAIR AND REHABILITATION					
PROJECT TITLE	TOTAL PROJECT COST						BONDS <input type="checkbox"/> G.O. <input type="checkbox"/> REV	OTHER LOCAL	STATE OR FEDERAL FUNDS
	1983	1984	1985	1986	1987	1988			
THOUSANDS OF DOLLARS									
Fire Department Requests	100	100	100	100	100	100		600	
Miscellaneous Upgrade	70	35	35	35	35	35		245	
<b>TOTALS</b>	1,830	1,435	1,155	1,345	1,460	1,545	5,283	1,445	2,042

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

Department ANCHORAGE WATER AND WASTEWATER UTILITY	Account Code 541-8006-8800
Program Category ANCHORAGE WATER UTILITY	Project Category REPAIR AND REHABILITATION
PROJECT TITLE	SUMMARY OF PROJECT SCOPE
<p>Fire Department Requests</p> <p>Miscellaneous Upgrade</p>	<p>Project involves the upgrade of existing mains and hydrants to meet requirements established by the Anchorage Fire Department.</p> <p>Upgrade of various miscellaneous water mains to meet customer requirements on an as required basis.</p>

MUNICIPALITY OF ANCHORAGE – CIP - 2  
EXISTING CAPITAL BUDGET SUMMARY

Department  
ANCHORAGE WATER AND WASTEWATER UTILITY  
Project Category WATER – NEW EQUIPMENT

EXISTING CAPITAL IMPROVEMENT BUDGET/PROJECTS COMPLETED DURING PRIOR YEAR

PROJECT TITLE/COST CENTER	Original CIB Cost Est.	Total Current Funding	EXPLANATION/STATUS
Vehicles (1982 p. 308) (8722-3041)	100	100	Proceeding as described.
Water Meters (1982 p. 308)	25	25	Proceeding as described.
Continuing Property Record Management Infor- mation System (1982 p. 308)	408	408	Proceeding as described.

MUNICIPALITY OF ANCHORAGE  
CAPITAL PROJECT CATEGORY SUMMARY

DEPARTMENT: WATER UTILITY

PROJECT CATEGORY: NEW EQUIPMENT

	THOUSANDS OF DOLLARS						FUTURE PROJECT COST	PRIOR YEARS APPROP	TOTAL PROJECT COST
	1983	1984	1985	1986	1987	1988			
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	265	40	0	0	0	0	305		
EQUIPMENT	460	479	642	652	383	478	3,094		
INTERFUND CHARGES	35	33	11	11	11	16	117		
OTHER	70	28	37	37	11	16	199		
TOTAL	830	580	690	700	405	510	3,715	0	3,715

SOURCE OF FUNDS							TOTAL FUNDS	REIMBUR SABLES	NON-REIM BURSABLES
	1983	1984	1985	1986	1987	1988			
G.O. BONDS AUTH									
G.O. BONDS UNAUTH.	0	0	0	0	0	0	0	0	
REVENUE BONDS	0	0	300	300	0	0	600		
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	830	580	390	400	405	510	3,115		
OTHER	0	0	0	0	0	0	0		
TOTAL	830	580	690	700	405	510	3,715	0	3,715





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

Department	ANCHORAGE WATER AND WASTEWATER UTILITY	Account Code	541-8006-8800
Program Category	ANCHORAGE WATER UTILITY	Project Category	NEW EQUIPMENT
PROJECT TITLE	SUMMARY OF PROJECT SCOPE		
Vehicles	<p>This project provides for the planned replacement of wornout or wrecked vehicles and additional new vehicles as indicated below:</p> <p>1983 - 1 - 1977 Dodge 3/4 Ton 4x4 Pickup with snow plow (2741)                  1 - 1977 Chevy 1/2 Ton 4x4 Pickup (2636)                  1 - 1969 Clark Forklift (4025)                  1 - 1962 Dodge Boiler Truck (0700)                  1 - 1971 Drott Backhoe (0707)                  1 - 1973 IHC F2050A Dump Truck (0716)                  1 - 1973 GMC Boiler Truck (0713)                  1 - 1974 IHC 1 ton Utility Truck (2311)</p> <p>1984 - 1 - New 3/4 Ton 4x4 Pickup                  1 - 1977 Ford 3/4 Ton 4x4 Pickup with Liftgate (2169)                  1 - 1966 F-100 Pickup (0702)                  1 - 1970 Boiler Truck (0706)                  1 - 1973 Case Loader (0714)                  1 - 1976 Boiler Truck (0746)                  1 - 1976 Bantam Backhoe (0745)                  1 - 1977 International Loadstar (0757)                  1 - 1977 1 Ton 4x4 Pickup with Snowplow (0756)</p> <p>1985 through 1988 - Various equipment and vehicles as necessary.</p>		
Water Meters	<p>Purchase of new water meters to enable the Water Utility to maintain existing water metering program within it's approved service area. Size and quantities are as follows: 1" - 50, 1 1/2" - 40, 2" - 20, and 6" Turbine - 2.</p>		
Valve Box Dust Pans	<p>Project will purchase valve box dust pans to be installed on keyboxes throughout the system thereby preventing dust and debris from entering into and causing a malfunction of the valves.</p>		

**MUNICIPALITY OF ANCHORAGE -- CIP - 4  
CAPITAL IMPROVEMENT PROJECT FINANCIAL SUMMARY**

Department ANCHORAGE WATER AND WASTEWATER UTILITY				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
	1983	1984	1985	1986	1987	1988	<input type="checkbox"/> G.O. <input checked="" type="checkbox"/> REV		
THOUSANDS OF DOLLARS									
Miscellaneous Equipment	180	160	115	120	120	125		820	
Continuing Property Records Management Information System	340	75						415	
Miscellaneous Computer Equipment		25	25	20	20	15		105	
Graphic Information System			300	300			600		
<b>TOTALS</b>	<b>830</b>	<b>580</b>	<b>690</b>	<b>700</b>	<b>405</b>	<b>510</b>	<b>600</b>	<b>3,115</b>	

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

Department	ANCHORAGE WATER AND WASTEWATER UTILITY	Account Code	541-8006-8800
Program Category	ANCHORAGE WATER UTILITY	Project Category	NEW EQUIPMENT
PROJECT TITLE	SUMMARY OF PROJECT SCOPE		
Miscellaneous Equipment	Project will provide for the orderly replacement of wornout or unservicable miscellaneous small equipment beyond the feasibility of being repaired. Also included are a lime and alum feeder for the Water Treatment Plant in 1983 and miscellaneous CNG conversion equipment for new vehicles.		
Continuing Property Records Management Information System	Project will provide for an automated continuous property record account system as required by State directives. When completed the system will serve both the Water and Wastewater Utilities. Both Utilities are participating in the cost of establishing this system.		
Miscellaneous Computer Equipment	Project provides for the acquisition of non-scheduled computer equipment and software due to emergency requirements or damage, loss and replacement of existing computer equipment.		
Graphic Information System	Project will provide for the development of a Graphic Information System with Primary interfaces to the CPRMIS System and the proposed MOA Geoprocessing Information System. This project will automate and provide computer graphic maps, construction and asbuilt drawings, and design capabilities. Will also provide data gathering interface to existing systems and computer equipment.		

MUNICIPALITY OF ANCHORAGE – CIP - 2  
 EXISTING CAPITAL BUDGET SUMMARY

Department	ANCHORAGE WATER AND WASTEWATER UTILITY
Project Category	WATER – BUILDINGS

EXISTING CAPITAL IMPROVEMENT BUDGET/PROJECTS COMPLETED DURING PRIOR YEAR

PROJECT TITLE/COST CENTER	Original CIB Cost Est.	Total Current Funding	EXPLANATION/STATUS
Vehicle Warm Storage Expansion (1982 p. 314)	230	0	Project Postponed.

MUNICIPALITY OF ANCHORAGE  
CAPITAL PROJECT CATEGORY SUMMARY

DEPARTMENT: WATER UTILITY

PROJECT CATEGORY: BUILDINGS

	THOUSANDS OF DOLLARS						FUTURE PROJECT COST	PRIOR YEARS APPROP	TOTAL PROJECT COST
	1983	1984	1985	1986	1987	1988			
CAPITAL INVESTMENT COSTS									
PLANNING AND DESIGN	23	0	0	0	0	0	23		
LAND AND R.O.W.	0	0	0	0	0	0	0		
CONSTRUCTION	200	68	86	25	20	15	414		
EQUIPMENT	70	0	0	0	0	0	70		
INTERFUND CHARGES	3	0	0	0	0	0	3		
OTHER	24	7	9	0	0	0	40		
TOTAL	320	75	95	25	20	15	550	0	550
SOURCE OF FUNDS									
G.O. BONDS AUTH									
G.O. BONDS UNAUTH.	0	0	0	0	0	0	0	0	
REVENUE BONDS	0	0	0	0	0	0	0		
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	320	75	95	25	20	15	550		
OTHER	0	0	0	0	0	0	0		
TOTAL	320	75	95	25	20	15	550	0	550

**MUNICIPALITY OF ANCHORAGE – CIP - 4  
CAPITAL IMPROVEMENT PROJECT FINANCIAL SUMMARY**

Department ANCHORAGE WATER AND WASTEWATER UTILITY				Account Code 541-8006-8800					
Program Category ANCHORAGE WATER UTILITY				Project Category BUILDINGS					
PROJECT TITLE	TOTAL PROJECT COST						BONDS	OTHER LOCAL	STATE OR FEDERAL FUNDS
	1983	1984	1985	1986	1987	1988	<input type="checkbox"/> G.O. <input checked="" type="checkbox"/> REV		
THOUSANDS OF DOLLARS									
Administration Building Improvements - 3000 Arctic	250	75	95	25	20	15		480	
Administration Building Security Access Control	50							50	
Administration Building Fire Alarm System	20							20	
<b>TOTALS</b>	320	75	95	25	20	15		550	

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

Department ANCHORAGE WATER AND WASTEWATER UTILITY		Account Code 541-8006-8800
Program Category ANCHORAGE WATER UTILITY		Project Category BUILDINGS
PROJECT TITLE	SUMMARY OF PROJECT SCOPE	
Administration Building Improvements - 3000 Arctic	Project would provide for such items as electrical system upgrading, reseal of roof, carpet replacement, office conversions, parking lot paving, etc.	
Administration Building Security Access Control	Project would control access to the yard, building, warehouse, and warm storage areas of the Administration Building at 3000 Arctic Boulevard.	
Administration Building Fire Alarm System	Project would provide for a fire alarm system, hooked directly to the Anchorage Fire Department, to monitor the Administration Building at 3000 Arctic Boulevard.	