MUNICIPALITY OF ANCHORAGE — UCIP - 1 UTILITY CAPITAL NEEDS ANALYSIS

Department)
MUNICIPAL UTILITIES	•
Program Category	
MUNICIPAL LIGHT AND POWER	

POLICY GOALS

To provide the electrical energy requirements of present and future customers in the most economical manner, consistent with the requirements of safety, reliability, sound financial management, protection of the environment and reasonable regard for aesthetics.

SIX-YEAR DEPARTMENT GOALS AND STRATEGY

- 1. To develop or promote the development of long-term energy supplies which can be expected to yield minimal present and future energy cost.
- 2. To develop a reliable distribution system capable of safely supplying present and future needs consistent with stated Municipal aesthetic goals.
- 3. To achieve a sound financial position which will permit financing the required electric system on a continuing basis.
- 4. To achieve and maintain safety and reliability standards appropriate for our environment.
- 5. To continually review operating practices to insure they are conducive to the achievement of our goals.
- 6. To be responsive to our customers requirements in a fair and equitable manner.

MUNICIPALITY OF ANCHORAGE — UCIP - 2 EXISTING CAPITAL BUDGET SUMMARY

Department	
MUNICIPAL UTILITIES	
Project Category ML&P - GENERATION	

	ML&F = GENERALION							
		E	XISTING CAPITAL IMPROVEMENT BUDGET					
PROJECT TITLE	Original CIB Cost Est.	Total Current Funding	EXPLANATION/STATUS					
Major Improvements and Parts-turbines and boilers	1,300	1,300	Parts have been received and installation is still in progress					
Painting Power Plant #2	75	50	Partially complete in 1980, will be completed in 1981					
Coal or Hydro Plant	112,000	7,220	Deferred pending anticipated joint effort with Alaska Power Authority and Environmental Studies.					
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HUNICIPALITY OF ANCHORAGE CAPITAL PROJECT CATEGORY SUNMARY

PAGE 259

		THO	USANDS OF I	OOLLARS			FUTURE	PRIOR	TOTAL
	1781	1982	1983	1984	1985	1986	PROJECT COST	YEARS APPROP	PROJECT COST
APITAL INVESTMENT COSTS	حدث بين شوط المنظ ال المنظ المنظ ال		~~~~~~~~		~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		AND and shall seem are a red too receively page same of	man ning properties dan pent dan vide (1966 1974 1974	e find again dans criter and risks after both same
PLANNING AND DESIGN	1,170	460	450	200	200	200	2,680		
LAND AND R.D.W.	140	0	0	0	0	0	140		
CONSTRUCTION	255	3,745	1,255	1,250	1,200	2,300	10,005		
ERUIPHENT	785	9,110	2,260	2,500	1,400	2,700	18,755		
INTERFUND CHARGES	0	0	. 0	. 0	0	. 0	0		
OTHER	0	0	0	0	0	0	0		
TOTAL	2,350	13,315	3,965	3,950	2,800	5,200	31,580	()	31,580
	~~~~						TOTAL	REIMBUR	NON-RE:
DURCE OF FUNDS							FUNDS	SABLES	BURSAB
G.O. BONDS AUTH							1 01100	JHULLU	E UNIONE:
G.O. BONDS UNAUTH.	0	0	0	0	0	0	Ō	0	
REVENUE BONDS	2,350	13,315	3,965	3,950	2,800	5,200	31,580	v	
FEDERAL GRANT	0	0	0	0	0	0	0	0	
STATE GRANT	0	0	0	0	0	0	0	ō	
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	2,350	13,315	3,965	3,950	2,800	5,200	31,580	0	31,580

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epartment MUNICIPAL UTILITIES				Account Code 0531-8004-8600					
Program Category MUNICIPAL LIGHT AND PO	)WER			Project Category GENERATION					
			TOTAL PRO	DJECT COST			BONDS	orusp	STATE OR
PROJECT TITLE	1981	1982	1983	1984	1985	1986	☐ G.O.	OTHER LOCAL	FEDERAL FUNDS
				THOUS	SANDS OF DO	LLARS			.,
Major Improvements and Parts Turbine and Boilers	500	500	950	950	600	1,000	4,500		
Painting Power Plant #2	25					Terroració familitida	25		
Oil Fired Turbine Peaker	500	9,500					10,000		
Paving Plant #2	150						150		
Centralize Controls 1, 2, 3, 4	<b>7</b> 5 .						75		
Gas Compressor Plant #2	350						350		Parket American
Electric Monitoring & Metering Plant 1 & 2	150						150		
Future Coal or Hydro	600	3,000	3,000	3,000	2,200	4,200	16,000		
Deicing System .		15	1.5		- -		30		
Water Treatment Reverse Osmosis Unit		300			And the second s		300		-
									THE COLUMN TWO COLUMNS TO THE COLUMN TWO COLUMNS TWO COLUMNS TO THE COLUMN TWO COLUMNS TO THE COLUMN TWO COLUMNS T
				Transfer and the second					
•									-
TOTALS	2,350	13,315	3,965	3,950	2,800	5,200	31,580		

<u> </u>	PITAL IMPROVEMENT PROJECT SCOPE SUMMARY PAGE						
Department MUNICIPAL UTILITIES	Account Code 0531-8004-8600						
Program CategorMUNICIPAL LIGHT AND POWER	Project Category GENERATION						
PROJECT TITLE	SUMMARY OF PROJECT SCOPE						
Major Improvements and Parts Turbines and Boilers	1. Reflects Boiler Spare Parts \$50,000/yr						
	<ol> <li>Major improvements of turbines to insure reliability and extend useful machine life.</li> </ol>						
	1981 Turbine #4 - 300,000 #7 - 150,000						
	1982 Turbine #1 - 200,000 #5 - 250,000						
	1983 Turbine #2 - 200,000 #6 - 250,000 #7 - 450,000						
	1984 Turbine #3 - 300,000 #8 - 300,000						
	#4 - 300,000						
	1985 Turbine #7 - 300,000 #1 - 250,000						
	1986 Boilers #5 - 450,000 #7 - 450,000						
Painting Power Plant #2	Protect building, piping and machinery from corrosion and rust. Color cod power plant piping required for identifying per OSHA.						

	CAPITAL IMPROVEMENT PRO	JECT SCOPE SOMMANT	PAGE ZOZ
Department MUNICIPAL UTILITIES		Account Code 0531-8004-8600	
Program Category MUNICIPAL LIGHT AND PO	WER	Project Category GENERATION	
PROJECT TITLE		SUMMARY OF PROJECT SCOPE	
Oil Fired Turbine Peaker	Additional generation capa	acity to insure reliable service during peak	usage periods
Paving Plant #2	Site paving for parking an	nd preparation after construction.	
Centralize Controls 1, 2, 3, 4		#2, #3, and #4 machine control to new main co ility and load management of Generation syste	
Gas Compressor Plant #2		essor to insure reliable power loading of Turaintaining adequate gas pressure.	cbine #5 and
Electric Monitoring & Metering Plant 1 & 2	Upgrade equipment to monit	tor generation output of plant #1 & #2 to insproduction.	sure correct
Deicing System		intake air to Turbines 1, 2, & 3 during ice instituted to insure continued operation.	fog and icing
Water Treatment Reverse Osmosis Unit		chemically treated water for reuse in steam (chemically treated water).	cycle system
Future Coal & Hydro	sources for load growth.	or Consultants) to determine alternative power Preparation of Federal and State permits red to construction. Construction and generationst.	quired for
·			

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

Department	 
MUNICIPAL UTILITIES	
Project Category ML&P - TRANSMISSION - PLANT	

EXISTING CAPITAL IMPROVEMENT BUDGET						
PROJECT TITLE	Original CIB Cost Est.	Total Current Funding	EXPLANATION/STATUS			
115KV Switchyards	1,415	1,415	Construction to be completed in 1982 as planned.			
Protective Relaying	360	360	Study and design to be completed by consultant			
				<		
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		***************************************				

### MUNICIPALITY OF ANCHORAGE CAPITAL PROJECT CATEGORY SUMMARY

PAGE 264

		THOU	SANDS OF D	OLLARS			FUTURE	FRIOR	TOTAL
	1981	1982	1983	1984	1985	1986	PROJECT COST	YEARS APPROP	PROJECT COST
APITAL INVESTMENT COSTS	11 mas ann ann ann ann ann an Tarl Ion tir nan art nao ara							/m	and the table and the time and the
PLANNING AND DESIGN	140	25	0	0	0	0	165		
LAND AND R.O.V.	0	0	0	0	0	0	0		
CONSTRUCTION	260	160	0	0	0	0	420		
EQUIPMENT	780	15	0	0	0	0	795		
INTERFUND CHARGES	0	0	0	0	0	0	0		
OTHER	0	0	0	Õ	0	0	0		
TOTAL	1,180	200	0	0	0	0	1,380	0	1,380
							TOTAL	REIMBUR	NON-RE
DURCE OF FUNDS							FUNDS	SABLES	BURSAB
G.O. BONDS AUTH	· ·								
G.O. BONDS UNAUTH.	0	0	0	0	0	0	0	0	
REVENUE BONDS	1,180	200	0	0	0	O	1,380		
FEDERAL GRANT	0	0	0	0	0	0	. 0	0	
STATE GRANT	0	Ü	0	0	0	0	0	O	
CONTRIBUTIONS	0	0	0	0	0	0	0		
OPERATING REV	0	0	0	0	0	0	0		
OTHER	۸	۸	Λ	۸	Λ	Λ	D		

Department Account Code MUNICIPAL UTILITIES 0531-8004-8600 Program Category Project Category MUNICIPAL LIGHT AND POWER TRANSMISSION - PLANT TOTAL PROJECT COST **BONDS** STATE OR []] G.O. OTHER FEDERAL FUNDS LOCAL PROJECT TITLE 1982 XX REV 1981 1983 1984 1985 1986 THOUSANDS OF DOLLARS 115 KV Switch Yards 590 590 Protective Relaying 230 45 275 115 KV Distribution Substation Yards 360 155 515 **TOTALS** 1,180 200 1,380

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

	CAPITAL IMPROVEMENT PROJ	The state of the s
Department MUNICIPAL UTILITIES		Account Code 0531-8004-8600
Program Category MUNICIPAL LIGHT AND POWER		Project Category TRANSMISSION - PLANT
PROJECT TITLE		SUMMARY OF PROJECT SCOPE
115KV Switchyards		transmission switchyards at Municipal Light and Power 2. Project to be completed by 1982 in three phases.
Protective Relaying	systems required for existing	generation and transmission protective and control relay ing and new 115KV lines. Study and design to be complete o improve system reliability and protection.
115KV Distribution Substation Yards	Design and construction of required to accomodate new	small 115KV switchyards at distribution substations as 115KV transmission lines.
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#### MUNICIPALITY OF ANCHORAGE — UCIP - 2 EXISTING CAPITAL BUDGET SUMMARY

Department MUNICIPAL UTILITIES	
Project Category ML&P - TRANSMISSION - 1	LINES

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

		Ε.	XISTING CAPITAL IMPROVEMENT BUDGET
PROJECT TITLE	Original CIB Cost Est.	Total Current Funding	EXPLANATION/STATUS
115KV Line Generation Station #1 to Substation #6	116	116	Designed in 1980, will be constructed in 1981
Deenergize and Remove Sub- station #6A	19	19	Deenergized in 1980, will be removed in 1981
115KV Line Substation #6 to Substation #1	335	335	Design complete and construction underway
Fort Richardson to Plant	200	200	Design complete and construction underway
	-		

#### MUNICIPALITY OF ANCHORAGE CAPITAL PROJECT CATEGORY SUMMARY

		THOU	SANDS OF D	OLLARS			FUTURE	PRIOR	TOTAL
	1981	1982	1983	1984	1985	1986	PRDJECT COST	T YEARS APPROP	PROJECT COST
CAPITAL INVESTMENT COSTS								a majar nagar nagar nagar gama nagar nagar nagar nagar majar	
PLANNING AND DESIGN	125	121	47	23	14	10	340		
LAND AND R.O.W.	282	131	129	213	17	20	792		
CONSTRUCTION	510	863	376	179	341	46	2,315		
EQUIPHENT	980	361	240	79	32	20	1,712		
INTERFUND CHARGES	0	0	0	0	0	0	0		
OTHER	0	0	0	0	0	0	0		
TOTAL	1,897	1,476	792	494	404	96	5,159	0	5,159
						*********	TOTAL	REINBUR	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	1,897	1,476	792	494	404	96	5,159		
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	O	0		
OTHER	0	0	0	ů	0	0	0		
TOTAL	1,897	1,476	792	494	404	96	5,159	0	5,159

Department MUNICIPAL UTILITIES Program Category				Account Code	0531-800	04-8600			
MUNICIPAL LIGHT AND PO	WER			Project Catego	TRANSM	ISSION - 1	LINES		
			TOTAL PRO	JECT COST		***************************************	BONDS	OTHER	STATE OR
PROJECT TITLE	1981	1982	1983	1984	1985	1986	☐ G.O. (X) REV	OTHER LOCAL	FEDERAL FUNDS
				THOUS	ANDS OF DO	LLARS			
Generation Station #1 to Sub- station #6	222				The state of the s	A de la descripción de la constante de la cons	222		
Substation #6 to Substation #11	890	365		Living the second secon	The property of the state of th		1,255		
Substation #16 to Substation #15	465	775			-		1,240		
Generation Station #2 to Fort Richardson	95						95		
Relay Pilot Wire Construction	180	130					310		
Various Line Construction	45	51	59	73	83	96	407		
Fort Richardson to Plant #1		70	380				450		
Turbine #5 Line Underground		40	100				140		
Turbine #8 Underground Line to Switchyard		45	120		•		165		
Substation #17 Line Extension			133	421	321		875		
	Lary and who compare provided in the compare provided	***************************************							
					**************************************				
				San Paragraphic Pa					
	AANNA ATTIONPERSON								
		1		The second secon					
TOTALS	1,897	1,476	792	494	404	96	5,159		

Department MUNICIPAL UTILITIES	Account Code 0531-8004-8600
Program Category MUNICIPAL LIGHT AND POWER	Project Category TRANSMISSION - LINES
PROJECT TITLE	SUMMARY OF PROJECT SCOPE
Generation Station #1 to Substation #6	Upgrade existing 34.5KV line to 115KV including easement aquisition. Required by load growth.
Substation #6 to Substation #11	Design and construction of 115KV line between Substation 6 and Substation 11 via Arctic Boulevard and International Airport Road. Includes easement acquisition and may include upgrading existing 34.5KV line.
Substation #16 to Substation #15	Design and construction of 115KV lines between Substation 16 and Substation 15 via Seward Highway and Northern Lights Boulevard. Includes easement acquisition and may include upgrading existing 34.5KV line.
Generation Station #2 to Fort Richardson	Design and construction of a 115KV line from Municipal Light and Power Generation Station #2 to new Fort Richardson Substation to supply power to military per pending contract.
Relay Pilot Wire Construction	Installation of control lines between major stations as required by protective and control systems.
Various Line Construction	Minor line work required by easement, safety, and other regulatory requirements.
Fort Richardson to Plant #1	Design and construction of a new 115KV line between the new Fort Richardson Substation and Municipal Light and Power Generation Station #1 to provide a second backbone line between generation plants.
Turbine #5 Line Underground	Underground power lines from Generator #5 to the 115KV switchyard as required by plant expansion.
Turbine #8 Underground Line to Switchyard	Design and construct new underground 115KV tie-line between new Turbine #8 and existing 115KV switchyard.
Substation #17 Line Extension	Design and construct 115KV line to provide power to new Substation 17 required by load growth.

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

Department	
MUNICIPAL UTILITIES	
Project Category	
ML&P - DISTRIBUTION	PLANT

		E	XISTING CAPITAL IMPROVEMENT BUDGET
PROJECT TITLE	Original CIB Cost Est.	Total Current Funding	EXPLANATION/STATUS
Substation 11	860	640	Installation as planned

#### HUNICIPALITY OF ANCHORAGE CAPITAL PROJECT CATEGORY SUMMARY

		THOUSANDS OF DOLLARS					FUTURE		TOTAL
	1981	1982	1983	1984	1985	1986	PROJECT COST	T YEARS APPROP	PROJECT COST
CAPITAL INVESTMENT COSTS									
PLANNING AND DESIGN	45	28	20	20	20	Ö	133		
LAND AND R.O.W.	20	0	0	30	0	0	50	•	
CONSTRUCTION	725	300	0	0	380	0	1,405		
EQUIPHENT	0	12	0	1,000	0	. 0	1,012		
INTERFUND CHARGES	0	0	0	0	0	0	0		
OTHER	0	0	0	0	0	0	0		
TOTAL	790	340	20	1,050	400	0	2,600	0	2,600
****************					=======		TOTAL	REINBUR	NON-RET
SOURCE OF FUNDS							FUNDS	SABLES	BURSABL
G.O. BONDS AUTH							, 5,12-3	****	
G.O. BONDS UNAUTH.	0	0	0	0	0	0	0	0	
REVENUE BONDS	790	340	20	1,050	400	0	2,600	-	
FEDERAL GRANT	0	0	0	0	0	0	0	0	
STATE GRANT	0	ó	Õ	0	ō	Ō	0	0	
CONTRIBUTIONS	0	Ō	0	ō	Ō	0	0	_	
OPERATING REV	ő	0	0	ō	0	0	0		
OTHER	ō	0	Ō	0	Ö	0	0		
TOTAL	790	340	20	1,050	400	0	2,300	0	2,600

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

Department		THE TOTAL	LIVI I HOUL	CIFINANO					PAGE 2/3
MINITOTONE COURT TOTTO				Account Code	0531-800	04-8600	PROPERTY OF STREET		
Program Category MUNICIPAL LIGHT AND PO	WER			Project Calego		UTION - F			
WAR ALSO WAS THE COLUMN TO SERVICE AND A SER	The second second second second	_	TOTAL PRO	DJECT COST			BONDS		STATE OR
PROJECT TITLE	1981	1982	1983	1984	1985	1986	□ G.O. (X) REV	OTHER	FEDERAL FUNDS
				THOUS	SANDS OF DO	LLARS			
Fort Richardson Substation	135						135		
Remove Substations 6A, 7, 8, & 12	15	120					135		
New Substation #11	640	220					860		
New Substation #17		**************************************	20	1,050	400		1,470		
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•				**************************************					Account of the second of the s
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•	e-management	E-Vice of the second		***************************************	*				
TOTALS	790	340	20	1,050	400	-0-	2,600		

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Department MUNICIPAL UTILITIES	Account Code 0531-8004-8600
Program Category MUNICIPAL LIGHT AND POWER	Project Category DISTRIBUTION - PLANT
PROJECT TITLE	SUMMARY OF PROJECT SCOPE
	·
Fort Richardson Substation	Design and construction of 10 MVA Substation in approximate area of Glenn Highway and Muldoon to supply 34.5KV power to military per pending contract.
Remove Substation 6A, 7, 8, & 12	Conversion of existing 34.5KV lines to 115KV will result in the obsolescence of these small older substations which are presently served from the 34.5KV transmission system.
New Substation #11	Design and construction of a new 28 MVA substation at International Airport to be fed from new 115KV system as required to serve expanding load in this area.
New Substation #17	Design and construction of a new 28 MVA substation in the Bragaw Street - Debarr Avenue area as required to serve load growth.
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		THOU	SANDS OF D	OLLARS			FUTURE		TOTAL PROJECT COST
	1981	1982	1983	1984	1985	1986	PROJECT COST		
CAPITAL INVESTMENT COSTS	W =1 100 100 = 100 100 100 100 = 100 100		and the street and are the term and was		*****************		ne dan bah tah dari i di dari bigi yar 1115 yar	From the section of the best and can are	
PLANNING AND DESIGN	60	4 1	52	63	45	56	317		
LAND AND R.O.V.	10	11	12	13	15	16	77		
CONSTRUCTION	320	225	260	297	255	290	1,647		
EQUIPHENT	370	255	290	317	285	320	1,837		
INTERFUND CHARGES	0	0	0	0	0	0	0		
OTHER	0	0	0	0	0	0	0		
FOTAL.	760	532	614	690	600	682	3,878	0	3,878
= 0 = 0							TOTAL	REIMBUR	**************************************
OURCE OF FUNDS							FUNDS	SABLES	BURSABL
G.O. BONDS AUTH									
G.O. BONDS UNAUTH.	0	0	0	0	0	0	0	0	
REVENUE BONDS	760	532	614	690	600	<b>682</b>	3,878		
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	760	532	614	690	600	682	3,978	0	3,878

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Desga (streat				Account Code	à .				276
MUNICIPAL UTILITIES  Frogram Category MUNICIPAL A TOUR AND DO				Project Catego	ory	04-8600			are the second of the second second second
MUNICIPAL LIGHT AND PO	WEK			OJECT COST	DISTRIE	BUTION - 3	BONDS	and a supply section of the section	CTATES (NI)
PROJECT TITLE	1981	1982	1983	1984	1985	1986	G.O.	OTHER LOCAL	STATE OR FEDERAL FUNDS
				THOUS	SANDS OF DO	LLARS			1
Central Business District Improve ments	640	400	470	530	420	490	2,950		
Government Hill/Dock Improvements	120	132	144	160	180	192	928		
-					**************************************				
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			THE PROPERTY OF THE PROPERTY O						**************************************
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		W. A. C.			Michigan - Approximation				
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				ALL Address of the second of t					
				A Control of the Cont					
TOTALS	760	532	614	690	600	682	3,878		4

		PAGE 277
Department MUNICIPAL UTILITIES	Account Code 0531-8004-8600	
Program Category MUNICIPAL LIGHT AND POWER	Project Category DISTRIBUTION - 35KV	
PROJECT TITLE	SUMMARY OF PROJECT SCOPE	
Central Business District Improve- ments	Conversion of large central business district loads from existing overloaded system to new 34.5KV Comprehensive Distribution System including constructio the new 34.5KV system. On going project.	4KV n of
Government Hill/Dock Improvements	Construction of a new 34.5KV distribution system in the Government Hill/Muni Dock area as required to expand service and reduce loading of existing old 4 system in this area.	
	· · ·	

### MUNICIPALITY OF ANCHORAGE CAPITAL PROJECT CATEGORY SUMMARY

		THOU	ISANDS OF D	OLLARS			FUTURE	PRIOR	TOTAL PROJECT COST
,	1981	1982	1983	1984	1985	1986	PROJECT COST	T YEARS APPROP	
CAPITAL INVESTMENT COSTS							upun dan basa fund juga bajak dalah sama upun sama un	er wast uples tion may apply more deals government	ter
PLANNING AND DESIGN	10	12	13	21	61	20	137		
LAND AND R.O.W.	5	6	7	8	109	10	145		
CONSTRUCTION	150	158	166	189	497	201	1,361		
EQUIPMENT	20	23	26	56	233	40	398		
INTERFUND CHARGES	0	0	0	0	, 0	0	0		
OTHER	0	0	0	0	0	• 0	0		
TOTAL	185	199	212	274	900	271	2,041	0	2,041
							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	185	199	212	274	900	271	2,041		
FEDERAL GRANT	0	0	0	Ö	0	0	0	0	
STATE GRANT	0	0	0	0	0	0	0	0	
CONTRIBUTIONS	0	Ð	0	0	0	0	0		
OPERATING REV	0	0	0	0	0	0	0		
OTHER	0	0	0	0	0	0	0		
TOTAL	185	199	212	274	900	271	2,041	0	2,041

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MUNICIPAL UTILITIES	······································			4 Project Untegory						
MUNICIPAL LIGHT AN	D POWER	the company of the company of the company of	TOT4. 0		DISTRIE	BUTION - 1	the property of the contract of the contract of	]······		
PROJECT TITLE	1981	1982	1983	0JECT COST 1984	1985	1986	BONDS []] G.O. []XXEV	OTHER LOCAL	STATE OR FEDERAL FUNDS	
Market Control of the					SANDS OF DO	L			. 1	
Customer Line Extension	1.85	199	212	229	248	271	1,344			
Substation 17 Feeders				45	652	- Barriston de Carriston	697			
					- during the social property of the social pr					
								The second secon		
						# - -	\$ \$ 1			
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								4.		
			1144							
			es de l'estat de la constant de la c						i de la companya de l	
			Policy of the Control	**************************************					***************************************	
TOTALS	<b>&gt;</b> 185	199	212	274	900	271	2,041	The state of the s	A	

PAGE 280

	CAPITAL IMPROVEMENT PROJECT SCOPE SOMMARY PAGE 280
Department MUNICIPAL UTILITIES	Account Code 0531-8004-8600
Program Category MUNICIPAL LIGHT AND POWER	Project Category DISTRIBUTION - 12KV
PROJECT TITLE	SUMMARY OF PROJECT SCOPE
Customer Line Extension	Design and construction of new distribution lines to serve new subdivisions and customers. Includes minor distribution line adjustment required by law.
Substation #17 Feeders	Design and construct new $12 \mathrm{KV}$ distribution lines from new Substation $\#17$ as required by load growth.
	•

		THOU	SANDS OF D	OLLARS			FUTURE	PRIOR YEARS APPROP	TOTAL PROJECT COST
	1981	1782	1983	1984	1985	1786	FROJECT COST		
CAPITAL INVESTMENT COSTS	to the entry of any time and the second and the sec	deal and deal and an other seasons were se	- Paner vans d'Andreagen dang Espai van 1994 a.C. 1994	the contain out the term of the less were		ent from the foot control to foot our sub-re-	an take man dana nati tira ami tana man gaan mag	THE PART AREA THE TANK THE TANK THE TANK THE	er for som Me for der fom som for
PLANNING AND DESIGN	20	22	24	27	29	32	154		
LAND AND R.O.W.	10	11	12	13	15	16	77		
CONSTRUCTION	100	110	121	133	146	161	271		
EQUIFHENT	100	110	121	133	146	161	<i>7</i> 71		
INTERFUND CHARGES	0	0	0	0	0	0	0		
OTHER	0	0	0	0	0	0	0		
TOTAL	230	253	278	306	336	370	1,773	0	1,773
	for hell that the able were vone the stee final son von some some some						TOTAL	REIMBUR	NON-RE
OURCE OF FUNDS							FUNDS	SABLES	BURSAB
G.O. BONDS AUTH							1 01103	SHELLS	ancada
G.O. BONDS UNAUTH.	0	0	0	0	0	0	0	0	
REVENUE BONDS	230	253	278	306	336	370	1,773	•	
FEDERAL GRANT	0	0	0	0	0	0	0	0	
STATE GRANT	0	0	0	0	0	Ö	0	0	
CONTRIBUTIONS	0	0	0	0	0	0	Ö		
OPERATING REV	0	0	0	0	0	0	0		
OTHER	0	0	0	0	0	0	0		
TOTAL	230	253	278	306	336	370	1.273	0	1,773

### PAGE 282

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

Department Account Code MUNICIPAL UTILITIES 0531-8004-8600 Project Category Program Category DISTRIBUTION - STATE RELOCATION & UNDERGROUND MUNICIPAL LIGHT AND POWER **TOTAL PROJECT COST BONDS** STATE OR OTHER LOCAL □ G.O. FEDERAL [™] REV PROJECT TITLE 1981 1982 **FUNDS** 1983 1984 1985 1986 THOUSANDS OF DOLLARS State Relocation and Underground 230 253 278 306 336 370 1,773 75 **TOTALS** 1,773 370 230 336 253 278 306

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

	CAFITAL INFROVENCIAL FROJECT SCOPE SUMMARY PAGE 283
Department MUNICIPAL UTILITIES	Account Code 0531-8004-8600
Program Category MUNICIPAL LIGHT AND POWER	Project Category DISTRIBTUION - STATE RELOCATION & UNDERGROUND
PROJECT TITLE	SUMMARY OF PROJECT SCOPE
State Relocation and Underground	Relocation and possible undergrounding of distribution facilities as required by State law to accomodate State road projects. Majority of costs must be funded by Municipal Light and Power but must be later reimbursed by the State.
	•

### NUNICIPALITY OF ANCHORAGE CAPITAL PROJECT CATEGORY SUNMARY

		THOU	ISANDS OF D	OLLARS			FUTURE PROJECT	PRIOR T YEARS APPROP	TOTAL PROJECT COST
	1981	1982	1983	1984	1985	1986	COST		
CAPITAL INVESTMENT COSTS	ng tinka kang adam galah memberakan anamp tang anamp apagi gama kang adam				. Mr. 48 Mar 54 Art car 54 Mar				
PLANNING AND DESIGN	30	27	30	32	30	40	189		
LAND AND R.O.W.	12	23	25	28	30	36	154		
CONSTRUCTION	192	221	245	270	300	320	1,548		
EQUIPHENT	145	180	200	220	0	264	1,009		
INTERFUND CHARGES	. 0	0	0	0	240	0	240		
OTHER	0	0	0	0	0	0	0		
TOTAL	379	451	500	550	600	660	3,140	0	3,140
							TOTAL	REIMBUR	NON-RE
OURCE OF FUNDS							FUNDS	SABLES	BURSABI
G.O. BONDS AUTH									,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
G.O. BONDS UNAUTH.	0	0	0	0	0	0	0	0	
REVENUE BONDS	379	451	500	550	600	660	3,140		
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	Ò	0	0	0	O		
TOTAL	379	451	500	 550	600	660	3,140	0	3,140

Department MUNICIPAL UTILITIES				Account Code	0531-80				7705
Program Category MUNICIPAL LIGHT AND PC	WER	**************************************	·····	Project Catego	orγ		A MOTATION	UNDEDCEO	IND
			TOTAL PRO	DISTRIBUTION - MUNICIPAL RE			BONDS		
PROJECT TITLE	1981	1982	1983	1984	1985	1986	□ G.O. XXXX¥EV	OTHER	STATE OR FEDERAL FUNDS
				THOUS	SANDS OF DO	LLARS			
Municipal Underground Projects	249	451	500	550	600	600	3,010		
Mt. McKinley View Park Underground	130				,		130		
!									
					Water under the same and same	·			
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		***							
			The state of the s						
TOTALS	379	451	500	550	600	660	3,140		

	CAPITAL IMPROVEMENT PROJ	ECT SCOPE SUMMANT	PAGE 28						
Department MUNICIPAL UTILITIES		Account Code 0531-8004-860	00						
Program Category MUNICIPAL LIGHT AND POWER		Project Category MUNICIPAL RELOCATION	& UNDERGROUND						
PROJECT TITLE		SUMMARY OF PROJECT SCOR							
Municipal Underground Projects	Relocation and possible undergrounding of distribution facilities as required by Municipal ordinances to accommodate Municipal road projects. Costs are not refundable.  Underground existing facilities along Bluff Drive in Mt. View that restrict park view. Requested by Mr. D. Shafer. All costs to be paid by Municipal Light and Power under 2% ordinance requirement.								
Mt. McKinley View Park Underground									
		-							
•		•							

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

Department MUNICIPAL	UTILITIES			78	
Project Category	MCDODATOC A	ATTS .	CADACTIO	n.c	 

		E	XISTING CAPITAL IMPROVEMENT BUDGET
PROJECT TITLE	Original CIB Cost Est.	Total Current Funding	EXPLANATION/STATUS
Transformers	361	361	Expenditures as required
Capacitors	19	19	Expenditures as required
		V-Lawrence and the second	

### MUNICIPALITY OF ANCHORAGE CAPITAL PROJECT CATEGORY SUMMARY

OEPARTHENT-UTILITY: MUNICIPAL LIG	:: A lower			:. :::::::::::::::::::::::::::::::::::	CHILLO UNIT	CAPACITORS	<b></b>	=======================================	
·		THOUSANDS OF DOLLARS				FUTURE		TOTAL	
	1981	1982	1983	1984	1985	1986	PROJECT COST	APPROP	PROJECT COST
CAPITAL INVESTMENT COSTS								tum dan tuda maji badi dani jiraji nan isini din	
PLANNING AND DESIGN	0	0	0	0	0	0	0		
LAND AND R.D.V.	0	0	0	0	0	0	0		
CONSTRUCTION	85	95	106	119	134	150	689		
EQUIPMENT	339	379	425	476	536	600	2,755		
INTERFUND CHARGES	0	0	0	0	0	Ö	0		
OTHER	0	0	0	0	0	0	0		
TOTAL	424	474	531	595	670	750	3,444	0	3,444
		========					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	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	424	474	531	595	670	750	3,444		
	^	0	0	0	0	O	. 0		
OTHER	U	v	•	•	•	•	V		

PAGE 289

Department		man via manovarione di istani. Pi tani i ampi apmyayaya		Account Cod					
MUNICIPAL UTILITIES Program Category				Project Categ	OFV		oranie oranie annie		
MUNICIPAL LIGHT AND F	OWER		TOTAL DO	OJECT COST	TRANSFO	RMERS & C.	BONDS		I
PROJECT TITLE	1981	1982	1983	1984	1985	1986	☐ G.O.	OTHER LOCAL	STATE OR FEDERAL FUNDS
				THOUS	SANDS OF DO	LLARS	. I v a . v r en e v never element en ever		J
Distribution Transformers	405	453	507	568	636	712		3,281	
Distribution Capacitors	19	21	24	27	34	38		163	
		The state of the s							
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							5-10-10-10-10-10-10-10-10-10-10-10-10-10-		
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				-					<b>\$</b>
				the formal physics and					
TOTALS	424	474	531	595	670	750		3,444	

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

	CAPITAL IMPROVEMENT PROJECT SCOPE SUMMARY PAGE 290								
Department MUNICIPAL UTILITIES	Account Code 0531-8004-8600								
Program Category MUNICIPAL LIGHT AND PO	DWER Project Category DISTRIBUTION TRANSFORMERS AND CAPACITORS								
PROJECT TITLE	SUMMARY OF PROJECT SCOPE								
TRANSFORMERS	Purchase and initial installation of distribution transformers to serve new customers and upgrade service to existing customers. Installation of distribution capacitors to control power factor and voltage.								
	The amount of distribution transformers required is closely related to load growth because additional transformers are required to serve new customers. As the load increases the average size of the transformers required tends to increase, thus the decreased unit cost tends to offset the effect of inflation.								
CAPACITORS	Capacitors are required to reduce losses and maintain system voltage. Approximately 5% of the yearly amount will be expended for capacitors to help maintain a proper power factor. Should planned transmission and distribution system improvements be delayed the future amounts for capacitors will have to be significantly increased								

	THOUSANDS OF DOLLARS						FUTURE	PRIOR	TOTAL
	1981	1982	1983	1984	1985	1786	PROJECT COST	YEARS APPROP	PROJECT COST
CAPITAL INVESTMENT COSTS		****		<b></b>	THE SECOND CONTRACT C		rear year. Fire, yest again man biden deal year dum inter	THE TOTAL BEEN AND LINE BEEN LIVE SHEET	
PLANNING AND DESIGN	0	0	0	0	0	0	0		
LAND AND R.O.V.	0	0	0	0	Ō	0	ō		
CONSTRUCTION	195	209	224	241	258	277	1,404		
EQUIPMENT	274	290	308	326	346	367	1,911		
INTERFUND CHARGES	0	0	0	0	0	0	. 0		
OTHER	0	0	0	0	0	٥	0		
TOTAL	469	499	532	567	604	644	3,315	0	3,315
	: = = = = = = = = = = = = = = = = = = =					********	TOTAL	REIMBUR	NON-REI
OURCE OF FUNDS							FUNDS	SABLES	DURSABL
G.O. BONDS AUTH								SHEELD	2.01(01)2.0
G.O. BONDS UNAUTH.	0	0	Q	0	Ó	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	469	499	532	567	604	644	3,315		
OTHER	0	0	0	0	0	0	0		
TOTAL	469	499	532	567	604	644	3,315	0	3,315

Department MUNICIPAL UTILITIES				Account Corle 0531-8004-8600						
Program Category MUNICIPAL LIGHT AND POWER				Project Category METERS AND SERVICES						
	·-··		TOTAL PRO	ROJECT COST			BONDS	OTHER	STATE OR	
PROJECT TITLE	1981	1982	1983	1984	1985	1986	☐ G.O. ☐ REV	LOCAL	STATE OR FEDERAL FUNDS	
	THOUSANDS OF DOLLARS									
Meters	215	225	237	249	261	274		1,461		
Services	254	274	295	318	343	370		1,854		
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								Potential Parket Control of the Cont		
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				\$P. (1)	Andrews and the second		1	****	- Anna Carlo	
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					Marine de la companio					
· ·								Taraka di Angara da Angara	-	
						: : : :			-	
TOTALS	469	499	532	567	604	644		3,315		

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

Department MUNICIPAL UTILITIES	Account Code 0531-8004-8600							
Program Category MUNICIPAL LIGHT AND POWER	Project Category METERS AND SERVICES							
PROJECT TITLE	SUMMARY OF PROJECT SCOPE							
METERS	Revenue metering equipment reflects projected historical growth plus considerate for inflation. Also included is \$125,000 per year for automatic meter reading equipment which will allow ML&P to read meters via telephone lines from an offit location by modifying existing meters. Meters will be converted each year to reduce the cost of meter reading, service connects and disconnects, and problem of trying to read meters during weather and traffic restrictions.							
SERVICES	Services to new customers and to upgrade service to existing customers. This project covers the cost of service lines, both overhead and underground, from the utilities' distribution system to the customers meters. The increasing amounts shown reflect anticipated growth and inflation.							

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

Department MUNICIPAL UTILITIES	
Project Category MLSP - STREET LIGHTING	

			PLAP - STREET LIGHTING					
EXISTING CAPITAL IMPROVEMENT BUDGET								
PROJECT TITLE	Original CIB Cost Est.	Total Current Funding	EXPLANATION/STATUS					
Street Lighting	170	170	Expenditures as required					
	ann de annum e va men mid richte mit dan de							
	de de la companya de							

		THOU	SANDS OF D	OLLARS			FUTURE PROJECT COST	PRIOR	TOTAL
	1781	1982	1983	1984	1985	1986		YEARS APPROP	PROJECT COST
CAPITAL INVESTHENT COSTS	m and the use that and the use the use of the the use and the		*			****	* <del></del>	upon term dans feels dand deut dans same beda l	
PLANNING AND DESIGN	12	12	12	12	12	12	72		
LAND AND R.O.W.	0	0	0	0	0	0	0		
CONSTRUCTION	108	108	108	108	108	108	648		
EGUIPMENT	50	50	50	50	50	50	300		
INTERFUND CHARGES	0	0	0	0	0	0	0		
OTHER	0	0	0	0	0	0	Ô		
TOTAL	170	170	170	170	170	170	1,020	0	1,020
		=========		3,5555555			TOTAL	REINBUR	NON-REI
OURCE OF FUNDS						•	FUNDS	SABLES	BURSABL
G.O. BONDS AUTH								5,1,1,2,0	1. 1. ( ) ( ) ( ) ( )
G.O. BONDS UNAUTH.	0	0	0	0	0	0	0	0	
REVENUE BONDS	0	0	Ō	0	0	0	Ö	_	
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	170	170	170	170	170	170	1,020		
OTHER	0	0	0	0	0	0	0		
TOTAL	170	170	170	170	170	170	1,020	0	1,020

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  Program Category MUNICIPAL LIGHT AND POWER				Account Code Project Catego	0531-800	04-8600 LIGHTING			
MONICIPAL DIGIT AND F	OWER		TOTAL PRO	PROJECT COST			BONDS G.O.	1	STATE OR
PROJECT TITLE	1981	1982	1983	1984	1985	1986	G.O.	OTHER LOCAL	STATE OR FEDERAL FUNDS
				THOUS	ANDS OF DO	LLARS			
Street Lighting	170	170	170	170	170	170		1,020	
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•									
	·								
	***************************************	America and a mortal property and a mortal p	- The state of the						
		The same of the sa	L						
					Target days				
		The second secon		,					
TOTALS	170	170	170	170	170	170		1,020	

### MUNICIPALITY OF ANCHORAGE - UCIP - 5

	CAPITAL IMPROVEMENT PROJECT SCOPE SUMMARY PAGE 2	97						
Department MUNICIPAL UTILITIES	Account Code 0531-8004-8600							
Program CategorMUNICIPAL LIGHT AND POWER	Project Category STREET LIGHTING							
PROJECT TITLE	SUMMARY OF PROJECT SCOPE							
Street Lighting	A continuing program to improve lighting of arterials and streets in the Central Business District, in new residential subdivisions and to improve lighting elsewher The continuing annual amount projected reflects consideration of inflation, saturation of service, and conversion to high pressure sodium vapor at a measured rate. If major lighting projects should be undertaken, additional amounts will be required.							
		4						

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

Department	
MUNICIPAL UTILITIES	
MLEP Category AND LAND	RIGHTS

				MEEP - LAND AND LAND RIGHTS
			E	XISTING CAPITAL IMPROVEMENT BUDGET
	PROJECT TITLE	Original CIB Cost Est.	Total Current Funding	EXPLANATION/STATUS
	Land and Land Rights	61	61	Acquisitions as required
		The second secon		
	,			
1				

		THOU	SANDS OF D	OLLARS			FUTURE	PRIOR	TOTAL PROJECT COST
	1981	1982	1983	1984	1985	1986	PROJECT COST	YEARS APPROP	
CAPITAL INVESTMENT COSTS	** ** ** ** ** ** ** ** ** ** ** ** **	***********				Per value made code man dans and act act of the code	me, the may ran was son and the law to-	· · · · · · · · · · · · · · · · · · ·	
PLANNING AND DESIGN	0	0	0	0	Ó	0	0		
LAND AND R.O.V.	61	74	87	104	161	182	667		
CONSTRUCTION	0	0	0	0	0	0	0		
EQUIPHENT	0	0	0	0	0	0	0		
INTERFUND CHARGES	0	0	0	0	0	O	0		
OTHER	0	0	0	0	0	0	0		
TOTAL	61	74	87	104	161	182	669	0	669
							TOTAL	REIMBUR	NON-REI
OURCE OF FUNDS							FUNDS	SABLES	BURSABI
6.0. 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	Q	ð	0	0	0	0	0	
STATE GRANT	0	0	0	0	0	0	0	O	
CONTRIBUTIONS	0	0	0	0	0	0	0		
OPERATING REV	61	74	87	104	161	182	669		
OTHER	0	0	0	0	0	0	0		
TOTAL	61	74	87	104	161	182	669	Λ	669

THIS CATEGORY CAUSES NO SIGNIFICANT INCREASE IN TAX SUPPORTED OPERATING COSTS

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

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Oepartment  MUNICIPAL UTILITIES  Program Category  MUNICIPAL LIGHT AND POWER				Account Code  0531-8004-8600  Project Category  LAND AND LAND RIGHTS					
	TOTAL						BONDS	07,150	STATE OR
PROJECT TITLE	1981	1982	1983	1984	1985	1986	☐ G.O. ☐ REV	OTHER LOCAL	FEDERAL FUNDS
				THOUS	SANDS OF DO	LLARS	***		
Land and Land Rights	61	74	87	104	161	182		669	
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				Value of the control					
TOTALS	61	74	87	104	161	182		669	

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

	TAGE 501
Department MUNICIPAL UTILITIES	Account Code 0531-8004-8600
Program Category MUNICIPAL LIGHT AND POWER	Project Category LAND AND LAND RIGHTS
PROJECT TITLE	SUMMARY OF PROJECT SCOPE
Land and Land Rights	To cover the acquisition of easements, permits and miscellaneous small plots as required by system growth.
	Purchase of substation site in 1983.

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

•	Department
	MUNICIPAL UTILITIES
	Project Category
	MI.SP - GENERAL PLANT

			ML&P - GENERAL PLANT
		E	XISTING CAPITAL IMPROVEMENT BUDGET
PROJECT TITLE	Original CIB Cost Est.	Total Current Funding	EXPLANATION/STATUS
Tools, Equipment and Furniture	150	150	Acquisition as required
Power Logging, Scada System	2,070,	1,940	Installation as planned
	derritterin der in der		* \$940,000 budgeted in 1978 and \$500,000 in 1979 under Generation Project Category; \$500,000 budgeted under Transmission Project Category in 19
	studdendirdersendersendersendersendersendersendersendersendersendersendersendersendersendersendersendersenders		

## NUNICIPALITY OF ANCHORAGE CAPITAL PROJECT CATEGORY SUNMARY

		THOUSANDS OF BOLLARS							TOTAL
	1981	1982	1983	1984	1985	1986	PROJECT COST	YEARS APPROP	PROJECT COST
APITAL INVESTMENT COSTS	, afti den jaar sper sper sper sper aan aan aan aan aan aan aan aan	. *** *** *** *** *** *** *** *** ***							
PLANHING AND DESIGN	378	125	75	125	75	75	853		
LAND AND R.O.W.	0	0	0	0	ō	Ö	0		
CONSTRUCTION	450	350	50	1,050	50	50	2,200		
EQUIPMENT	1,315	324	271	325	235	235	2,705		
INTERFUND CHARGES	0	0	0	0	0	0	0		
OTHER	0	0	0	0	0	0	0		
TOTAL	2,343	799	396	1,500	360	360	5,758	0	5,758
	***********				**********	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	TOTAL	REINBUR	NON-RE
DURCE OF FUNDS							FUNDS	SABLES	BURSAB
G.O. DENDS AUTH							1 Unus	anocca	PURGNO
G.O. BOHDS UNAUTH.	0	0	0	0	0	۸	0	0	
REVENUE BONDS	1,830	450	ō	1,100	ŏ	ō	3,380	*	
FEDERAL GRANT	0	0	Ö	0	ŏ	Ŏ	0	٥	
STATE GRANT	0	0	Ō	Ö	ŏ	ŏ	. 0	Ŏ	
CONTRIBUTIONS	0	Ō	ō	ŏ	ō	ŏ	ŏ	•	
OPERATING REV	513	349	396	400	360	360	2,378		
OTHER	0	0	0	Õ	0	0	0		
							-		

THIS CATEGORY CAUSES NO SIGNIFICANT INCREASE IN TAX SUPPORTED OPERATING COSTS

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

Department MUNICIPAL UTILITIES Program Category			Account Code  0531-8004-8600  Project Category						
MUNICIPAL LIGHT AND POWER			GENERAL PLANT						
	TOTAL PR		ROJECT COST			BONDS □ G.O.	OTHER	STATE OR FEDERAL	
PROJECT TITLE	1981	1982	1983	1984	1985	1986	XX REV	LOCAL	FUNDS
		·		THOUS	SANDS OF DO	LLARS			
Central Dispatch Control	1,200	450					1,650		
Remodel Warehouse and Administra- tion Building	500						500		
Tools - Equipment - Furniture	100	100	100	100	100	100		600	
Vehicles	129	49	96	100	60	60		494	
Miscellaneous System Enhancements	169	150	150	150	150	150		919	
Engineering Applications	65							65	
Unidentified Plant Additions	50	50	50	50	50	50		300	
Power Logging, Scada System	130				,		130		
2nd Floor Addition Administration Building				1,100	•		1,100		
		•			`.				
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TOTALS	2,343	799	396	1,500	360	360	3,380	2,378	

	CAPITAL IMPROVEMEN	IT PROJECT S	SCOPE SUMMARY	PAGE 305			
Department MUNICIPAL UTILITIES		Acco					
rogram Category MUNICIPAL LIGHT AND POW	VICIPAL LIGHT AND POWER Project Category GENERAL PLANT						
PROJECT TITLE		SUMMARY OF PROJECT SCOPE					
Central Dispatch Control	Design and construct installation of remo	comprehens	ive utility control and dispatch units at generation, transmission	control. Includes			
Remodel Warehouse and Administra- tion Building	This space will be o	ccupied by	vacated by Data Processing and the Operations and other Municipal Leesecond floor addition from 198	ight and Power			
Tool - Equipment - Furniture	Covers the anticipat and other small equi	cipated routine addition and replacement of small tools, furniture equipment.					
Vehicles	Backhoe Trencher 4x4 Manlift Truck 2 4x4 Trucks	29,000 23,000 52,000 25,000	Replacement Replacement Replacement 1 Addition - 1 Replacement				
Miscellaneous System Enhancements	Develop small in hou	use systems	for management purposes.				
Engineering Applications	Develop small in hou	use systems	for engineering.				
Unidentified Plant Additions	Small unplanned plan	nt additions	s or renovations to meet personne	and OSHA requireme			
Power Logging, Scada System	System for statistic	cal studies	of Generation Plant. Included i	n Central Dispatch			
2nd Floor Addition - Administration Building	Control - See Above To take care of and been delayed from 1			r. This project has			
			•				