

1968

BUDGET

WATER UTILITY



## CITY OF ANCHORAGE

DEPARTMENT	ACCOUNT TITLE	ACCOUNT NUMBER	WORK PROGRAM- JUSTIFICATION	D
Public Works--Water	Summary			

SUMMARY OF OPERATING ACCOUNTS

<u>REVENUE</u>	Actual 1966	Adjusted 1967	Department Request 1968	Manager Approved 1968	Council Approved 1968
Customer Sales	1,398,934	1,179,000	1,600,000	1,600,000	1,600,000
Public Fire Protection	40,000	46,750	46,750	46,750	46,750
Sales to Other City Agencies	16,033	17,500	18,500	18,500	18,500
Miscellaneous Revenue	181	10,000	10,000	10,000	10,000
Federal Transitional Grant	35,000	0	0	0	0
Interest Revenue	15,985	5,000	8,000	8,000	8,000
Int. & Penalties-Wtr. Mort.	0	2,000	18,000	18,000	18,000
Total Revenue	1,506,133	1,567,250	1,701,250	1,701,250	1,701,250

EXPENSES

Source of Supply	163,887	136,134	134,935	134,370	134,370
Maintenance & Repair	123,250	145,050	139,840	138,260	138,260
Hydrants	74,342	64,000	73,100	72,500	72,500
Customer Service	0	69,998	94,627	94,627	90,290
Engineering	0	23,900	24,400	24,400	24,400
Administration	285,296	236,910	280,641	260,891	265,495
Depreciation	345,619	395,618	430,000	430,000	430,000
Payment in Lieu of Tax	118,080	120,000	115,550	115,500	115,550
Interest	186,204	262,100	255,000	255,000	255,000
Total Expense	1,295,678	1,453,710	1,547,643	1,525,548	1,525,865
Net Income	210,455	113,540	153,607	175,702	175,385
Contribution to G.F.	105,379	93,670	81,961	81,961	81,961



## CITY OF ANCHORAGE

DEPARTMENT	ACCOUNT TITLE	ACCOUNT NUMBER	WORK PROGRAM- JUSTIFICATION	D
Public Works--Water	Summary			

ANALYSIS OF RETAINED EARNINGS

<u>ITEM</u>	Actual 1966	Adjusted 1967	Department Request 1968	Manager Approved 1968	Council Approved 1968
Balance-Jan 1.	264,461	32,052	(23,078)	(23,078)	(23,078)
Net Income	210,455	113,540	153,607	175,702	175,385
Depreciation	345,619	395,618	430,000	430,000	430,000
Addition to working Capital		0			(100,000)
Contribution to G.F	(105,379)	(93,670)	(81,961)	(81,961)	(81,961)
Construction Current Year	(560,943)	(395,618)	(430,000)	(430,000)	(330,000)
*Bond Retirement	<u>(154,213)</u>	<u>(75,000)</u>	<u>(50,000)</u>	<u>(50,000)</u>	<u>(50,000)</u>
Balance Dec 31.	32,052	(23,078)	1,432	20,663	20,346
*Total Bond Retirement Required		380,000	375,000	375,000	375,000
Less Amount Provided by Contribution in aid of Construction		<u>305,000</u>	<u>325,000</u>	<u>325,000</u>	<u>375,000</u> <del>375,000</del>
		75,000	50,000	50,000	50,000



## CITY OF ANCHORAGE

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DEPARTMENT	ACCOUNT TITLE	ACCOUNT NUMBER	SUMMARY		
Public Works-Water	Source of Supply	4601			A
EXPENDITURE TYPE	1966 ACTUAL EXPENDITURE	1967 ADJUSTED BUDGET	1968 DEPARTMENT REQUEST	1968 MANAGER RECOMMENDS	1968 COUNCIL APPROVED
Personal Services	62,738	69,484	70,735	70,335	70,340
Contractual	87,813	55,100	52,000	51,830	51,830
Supplies	12,336	11,550	12,200	12,200	12,200
Other Charges	0	0	0	0	0
Capital Outlay	0	0	0	0	0
(less Charges to Others)	0	0	0	0	0
<b>Total</b>	<b>162,887</b>	<b>136,134</b>	<b>134,935</b>	<b>134,370</b>	<b>134,370</b>

**Program Outline** The City obtains its water supply from Ship Creek and six deep wells. A seventh deep well is scheduled for completion mid-summer 1968. Existing supply capabilities include 11.0 million gallons per day through the water treatment plant plus 10.0 million gallons per day from the six deep wells. The wells are used to supplement the treatment plant during the summer and fall months. Well water, which is relatively warm, is mixed with the Ship Creek water during winter months to reduce the likelihood of freezing mains.

**Program Highlights**

(1967 threshold: \_\_\_\_\_)

The 1967 average daily consumption of water is estimated to be 11.2 million gallons per day. The 1966 figure was 10.2. Estimated average daily consumption for 1968 is 13.5 million gallons per day.

**Production Cost of 1000 Gallons of Water.**

1966	1967	1968
\$0.0438	\$0.0335	\$0.0294



## CITY OF ANCHORAGE

DEPARTMENT		ACCOUNT TITLE	ACCOUNT NUMBER		DETAIL		B
Public Works--Water		Source of Supply	1601				
CODE No.	EXPENDITURE CLASSIFICATION	1966 ACTUAL EXPENDITURE	1967 REVISED BUDGET	1968 DEPARTMENT REQUEST	1968 MANAGER RECOMMENDS	1968 COUNCIL APPROVED	
11	PERSONAL SERVICES						
12	Salaries	62,222	69,134	69,985	69,985	69,990	
	Overtime	516	350	750	250	350	
	Total	62,738	69,484	70,735	70,335	70,340	
21	CONTRACTUAL						
22	Advertising	88	100	200	150	150	
23	Contracted Services	23,784	9,000	8,500	8,500	8,500	
24	Utility Services	54,008	40,000	37,000	37,000	37,000	
25	Insurance & Employee Benefits	0	0	0	0	0	
27	Rentals	3,627	3,000	3,000	2,880	2,880	
28	Repairs	5,737	2,600	3,000	3,000	3,000	
29	Travel	569	400	300	300	300	
	Dues & Subscriptions	0	0	0	0	0	
	Total	87,813	55,100	52,000	51,830	51,830	
31	SUPPLIES						
35	Materials	11,930	11,400	12,000	12,000	12,000	
36	Household and Janitorial	0	0	0	0	0	
39	Office Supplies, Postage & Printed Forms	406	150	200	200	200	
	Small Tools	0	0	0	0	0	
	Total	12,336	11,550	12,200	12,200	12,200	
40	OTHER CHARGES						
41							
42							
43							
44	Contribution to Garage						
47	Data Processing Services						
	Total	0	0	0	0	0	
	CAPITAL						
	Total	0	0	0	0	0	
60	Less Charges to Others						
	Total Operating Budget	162,887	136,534	134,935	134,370	134,370	



CITY OF ANCHORAGE

DEPARTMENT	ACCOUNT TITLE		ACCOUNT NUMBER		PERSONNEL SCHEDULE				C
Public Works--Water	Source of Supply		4601						
POSITION TITLE	GRADE	1967 REVISED BUDGET		1968 DEPARTMENT REQUEST		1968 MANAGER RECOMMENDS		1968 COUNCIL APPROVED	
Water Treatment Foreman	24	1	12,612	1	13,152	1	13,152	1	13,155
Water Treatment Operators	22	5	59,522	5	56,833	5	56,833	5	56,835
		6	72,134	6	69,985	6	69,985	6	69,990



## CITY OF ANCHORAGE

DEPARTMENT Public Works--Water	ACCOUNT TITLE Maintenance & Repair	ACCOUNT NUMBER 4611	SUMMARY			A
EXPENDITURE TYPE	1966 ACTUAL EXPENDITURE	1967 ADJUSTED BUDGET	1968 DEPARTMENT REQUEST	1968 MANAGER RECOMMENDS	1968 COUNCIL APPROVED	
Personal Services	73,355	82,510	84,500	84,500	84,500	
Contractual	38,382	42,590	45,190	43,610	43,610	
Supplies	4,626	14,950	10,150	10,150	10,150	
Other Charges	5,531	0	0	0	0	
Capital Outlay	1,356	5,000	0	0	0	
(less Charges to Others)	0	0	0	0	0	
Total	123,250	145,050	139,840	138,260	138,260	

Program Outline

This account provides for the maintenance and repair of the entire Water Utility plant except for the treatment plant and wells. Summer time work includes flushing mains, cleaning valve boxes, locating "lost" valves, disconnecting abandoned services, digging and repairing leaks, trouble shooting many of the complaints involving pressure or color and the many other requirements of a water utility.

Winter time work includes steaming frozen mains, repairing broken lines, locating "lost" thaw wires, repair of equipment needed in normal work, etc,

Program Highlights

(1967 threshold: \_\_\_\_\_)

No major change in the maintenance and repair program is contemplated for 1968. The development of modern methods and equipment reflect in the statistics shown below.

Year	Maint & Repair Expense	Total Assets (Millions)	Ratio of Maintenance expense to total Assets
1964	90,095	11.1	0.0081
1965	88,942	12.4	0.0071
1966	123,250	13.8	0.0089
1967*	145,050	16.5	0.0088
1968*	139,840	18.0	0.0077

\*1967-68 are estimates only.



## CITY OF ANCHORAGE

DEPARTMENT		ACCOUNT TITLE	ACCOUNT NUMBER	DETAIL		B
Public Works--Water		Maintenance & Repair	4611			
CODE No.	EXPENDITURE CLASSIFICATION	1966 ACTUAL EXPENDITURE	1967 REVISED BUDGET	1968 DEPARTMENT REQUEST	1968 MANAGER RECOMMENDS	1968 COUNCIL APPROVED
11	PERSONAL SERVICES					
12	Salaries	68,318	76,010	78,000	78,000	78,000
	Overtime	5,007	6,500	6,500	6,500	6,500
	Total	73,355	82,510	84,500	84,500	84,500
21	CONTRACTUAL					
22	Advertising	0	0	0	0	0
23	Contracted Services	7,470	15,000	15,000	15,000	15,000
24	Utility Services	1,319	1,800	2,500	2,000	2,000
25	Insurance & Employee Benefits	0	0	0	0	0
27	Rentals	29,593	25,000	27,000	25,920	25,920
28	Repairs	0	0	0	0	0
29	Travel	0	600	500	500	500
	Dues & Subscriptions	0	190	190	190	190
	Total	38,382	42,590	45,190	43,610	43,610
31	SUPPLIES					
35	Materials	3,789	8,000	6,000	6,000	6,000
36	Household and Janitorial	44	5,800	3,000	3,000	3,000
39	Office Supplies, Postage & Printed Forms	95	150	150	150	150
	Small Tools	698	1,000	1,000	1,000	1,000
	Total	4,626	14,950	10,150	10,150	10,150
40	OTHER CHARGES					
41						
42						
43						
44	Contribution to Garage	5,531	0	0	0	0
47	Data Processing Services	0	0	0	0	0
	Total	5,531	0	0	0	0
	CAPITAL					
	Mach & Equip	1,356	5,000	0	0	0
	Total	1,356	5,000	0	0	0
60	Less Charges to Others	0	0	0	0	0
	Total Operating Budget	123,250	145,050	139,840	138,260	138,260



## CITY OF ANCHORAGE

DEPARTMENT		ACCOUNT TITLE		ACCOUNT NUMBER		PERSONNEL SCHEDULE				C
Public Works - Water		Maintenance & Repair		4611						
POSITION TITLE	GRADE	1967 REVISED BUDGET		1968 DEPARTMENT REQUEST		1968 MANAGER RECOMMENDS		1968 COUNCIL APPROVED		
General Foreman	28	1	12,972	1	15,360	1	15,360	1	15,360	
Public Works Foreman	24	2-1/2	27,792	2-1/2	31,344	2-1/2	31,344	2-1/2	31,344	
Equipment Operator	22	2	20,220	2	22,524	2	22,524	2	22,524	
Installer-Repairman	22	1-1/2	15,107	1-1/2	16,948	1-1/2	16,948	1-1/2	16,948	
Maintenance Man IV	20	5	47,824	5	52,732	5	52,732	5	52,732	
Maintenance Man III	19	5	43,857	5	45,292	5	45,292	5	45,292	
		17	167,722	17	184,200	17	184,200	17	184,200	
Distribution of Salaries:										
Maintenance & Repair	a/c-----	4611 .....		78,000						
Hydrant Maintenance	a/c-----	4641 .....		48,000						
Project or Force Account	.....			58,200						
This account provides for the maintenance and repair of the entire Water Utility plant except for the treatment plant and wells. Summer time work includes flushing mains, cleaning valve boxes, locating "lost" valves, disconnecting abandoned services, digging and repairing leaks, trouble shooting many of the complaints involving pressure or color and the many other requirements of a water utility.										
Winter time work includes steaming frozen mains, repairing broken lines, locating "lost" thaw wires, repair of equipment needed in normal work, etc.										



## CITY OF ANCHORAGE

DEPARTMENT	ACCOUNT TITLE	ACCOUNT NUMBER	SUMMARY			A
Public Works--Water	Hydrants	4641				
EXPENDITURE TYPE	1966 ACTUAL EXPENDITURE	1967 ADJUSTED BUDGET	1968 DEPARTMENT REQUEST	1968 MANAGER RECOMMENDS	1968 COUNCIL APPROVED	
Personal Services	46,558	44,800	51,000	51,000	51,000	
Contractual	19,693	16,000	18,700	18,100	18,100	
Supplies	8,091	3,200	3,400	3,400	3,400	
Other Charges	0	0	0	0	0	
Capital Outlay	0	0	0	0	0	
(less Charges to Others)						
Total	74,342	64,000	73,100	72,500	72,500	

Program Outline

The accounting for hydrant maintenance is kept separate. This portion of the Utility can be considered only as fire protection. Since all properties, whether customers or not, receive this benefit, it is considered part of the tax burden and a contribution to the Utility is made from the Fire Department budget.

The work program includes maintenance of fire hydrants, repairing broken hydrants (usually resulting from frost heaving the ground around it), painting, replacing and upgrading, installation of new hydrants to improve fire protection, etc.,

Program Highlights

(1967 threshold: \_\_\_\_\_)

Hydrant maintenance, on an average of annual cost per hydrant, varies greatly, depending upon the winter. The estimated cost per hydrant based upon the requested budget appears reasonable.

	1963	1964	1965	1966	1967	1968
Budget	43,667	43,612	65,646	74,342	64,000	73,100
Hydrants	890	957	1,000	1,107	1,200	1,310
Cost/Hydrant	49	46	65	67	53	56

The Fire Department is planning to expand their function to including the winter-time "checking" of fire hydrants. This program will reduce their contributions to the Water Utility.



## CITY OF ANCHORAGE

DEPARTMENT		ACCOUNT TITLE	ACCOUNT NUMBER	DETAIL		B
Public Works--Water		Hydrants	4641			
CODE No.	EXPENDITURE CLASSIFICATION	1966 ACTUAL EXPENDITURE	1967 REVISED BUDGET	1968 DEPARTMENT REQUEST	1968 MANAGER RECOMMENDS	1968 COUNCIL APPROVED
	PERSONAL SERVICES					
11	Salaries	45,148	41,800	48,000	48,000	48,000
12	Overtime	1,410	3,000	3,000	3,000	3,000
	Total	46,558	44,800	51,000	51,000	51,000
	CONTRACTUAL					
21	Advertising	0	0	0	0	0
22	Contracted Services	0	0	1,000	1,000	1,000
23	Utility Services	0	0	0	0	0
24	Insurance & Employee Benefits	0	0	0	0	0
25	Rentals	16,253	14,500	15,200	14,600	14,600
27	Repairs	3,440	1,500	2,500	2,500	2,500
28	Travel	0	0	0	0	0
29	Dues & Subscriptions	0	0	0	0	0
	Total	19,693	16,000	18,700	18,100	18,100
	SUPPLIES					
31	Materials	8,086	3,000	3,200	3,200	3,200
35	Household and Janitorial	0	0	0	0	0
36	Office Supplies, Postage & Printed Forms	5	200	200	200	200
39	Small Tools	0	0	0	0	0
	Total	8,091	3,200	3,400	3,400	3,400
	OTHER CHARGES					
40						
41						
42						
43						
44	Contribution to Garage					
47	Data Processing Services					
	Total	0	0	0	0	0
	CAPITAL					
	Total				0	0
60	Less Charges to Others	0	0	0	0	0
	Total Operating Budget	74,342	64,000	73,100	72,500	72,500



## CITY OF ANCHORAGE

DEPARTMENT	ACCOUNT TITLE		ACCOUNT NUMBER		PERSONNEL SCHEDULE				
PUBLIC WORKS - WATER	Hydrants		4641						
POSITION TITLE	GRADE	1967 REVISED BUDGET		1968 DEPARTMENT REQUEST		1968 MANAGER RECOMMENDS		1968 COUNCIL APPROVED	
General Foreman	28	1	12,292	1	15,360	1	15,360	1	15,360
Public Works Foreman	24	2½	27,792	2½	31,344	2½	31,344	2½	31,344
Equipment Operator	22	2	20,220	2	22,524	2	22,524	2	22,624
Installer-Repairman	22	1½	15,107	1½	16,948	1½	16,948	1½	16,948
Maintenance Man IV	20	5	47,824	5	52,732	5	52,732	5	52,732
Maintenance Man III	19	5	43,857	5	45,292	5	45,292	5	45,292
		17	167,722	17	184,200	17	184,200	17	184,200

Distribution of  
Salaries:

Maintenance & Repair	a/c--4611	\$78,000
Hydrant Maintenance	a/c--4641	48,000
Project of Force Account		58,200

It becomes obvious that the hydrant maintenance program in 1967 required much less than "normal". Less hydrants broke due to freezing, traffic accidents, etc. This years budget request is in line with expenses in past years plus growth.

Basically, the requested Line Items are self-explanatory. A new item has been requested which is Contracted Services in the amount of \$1,000. Improved accounting procedures and careful monthly budget reviews have indicated a need for this account for such things as the occasional requirement for hiring a large backhoe to perform work ours won't handle.



## CITY OF ANCHORAGE

DEPARTMENT	ACCOUNT TITLE	ACCOUNT NUMBER	SUMMARY		
Public Works--Water	Customer Serv.	4651			
EXPENDITURE TYPE	1966 ACTUAL EXPENDITURE	1967 ADJUSTED BUDGET	1968 DEPARTMENT REQUEST	1968 MANAGER RECOMMENDS	1968 COUNCIL APPROVED
Personal Services	Part of Administra- tion	82,098	87,777	87,777	83,440
Contractual		5,000	4,950	4,950	4,950
Supplies		2,400	1,900	1,900	1,900
Other Charges		0	0	0	
Capital Outlay		0	0	0	
(less Charges to Others)		(19,500)	0	0	
Total		69,998	94,627	94,627	90,290

Program Outline

This unit is responsible for a rather complex work assignment. It is the customer record section, is responsible for correct monthly utility bills, renders back bills, turns water on or off, handles delinquent turn-offs, reviews lots obtaining service for water assessment payment, field checks subdivision by subdivision, on a lot by lot basis, for accurate billing and assessment payments. Field checks any monthly billing problems, provides assistance to customers who have "on property" breaks, or other problems. Locates service boxes and thaw wires for customers in the winter plus all related work, and sells water meters, reads the meters and computes the monthly bill. It is the Utilities nerve center where Public Relations is paramount.

Program Highlights

(1967 threshold: )

Nearly 11,400 accounts were billed during August 1967. 10,077 were billed in December, 1966. The accounts expected to be billed in December, 1967, is 11,700. This figure appears low since nearly 900 new service connections were made in 1967, and the home vacancy factor is better now than in 1966. The lower total quantity of bills reflects the Utility's efforts to reduce it's overhead and billing costs by combining billing to certain customers.

	1964	1965	1966	1967	1968 Est.
Accounts billed in December	11,058	10,724	10,770	11,700	12,800
Percent increase over preceding year		0.3%	0%	9%	9%



DEPARTMENT		ACCOUNT TITLE	ACCOUNT NUMBER		DETAIL		B
Public Works--Water		Customer Serv.	4651				
CODE No.	EXPENDITURE CLASSIFICATION	1966 ACTUAL EXPENDITURE	1967 REVISED BUDGET	1968 DEPARTMENT REQUEST	1968 MANAGER RECOMMENDS	1968 COUNCIL APPROVED	
11	PERSONAL SERVICES						
12	Salaries	Part of	77,948	86,277	86,277	81,940	
	Overtime	Adminic- tration	1,150	1,500	1,500	1,500	
	Total	expense	82,098	87,777	87,777	83,440	
21	CONTRACTUAL						
22	Advertising		200	150	150	150	
23	Contracted Services		1,400	1,400	1,400	1,400	
24	Utility Services		0	0	0	0	
25	Insurance & Employee Benefits		0	0	0	0	
27	Rentals		3,400	3,400	3,400	3,400	
28	Repairs		0	0	0	0	
29	Travel		0	0	0	0	
	Dues & Subscriptions		0	0	0	0	
	Total		5,000	4,950	4,950	4,950	
31	SUPPLIES						
35	Materials		200	200	200	200	
36	Household and Jani- torial		0	0	0	0	
39	Office Supplies, Post- age & Printed Forms		2,000	1,500	1,500	1,500	
	Small Tools		200	200	200	200	
	Total		2,400	1,900	1,900	1,900	
40	OTHER CHARGES						
41							
42							
43							
44	Contribution to Garage		0	0	0	0	
47	Data Processing Services		0	0	0	0	
	Total		0	0	0	0	
	CAPITAL		0		0	0	
	Total		0	0	0	0	
60	Less Charges to Others		19,500	0	0	0	
	Total Operating Budget		69,998	94,627	94,627	90,290	



CITY OF ANCHORAGE

DEPARTMENT	ACCOUNT TITLE		ACCOUNT NUMBER		PERSONNEL SCHEDULE				C
PUBLIC WORKS - WATER	Customer Service		4651						
POSITION TITLE	GRADE		1967 REVISED BUDGET		1968 DEPARTMENT REQUEST		1968 MANAGER RECOMMENDS		1968 COUNCIL APPROVED
Cust. Serv. Supervisor	23	1	10,685	1	11,388	1	11,388	1	11,388
Cust. Serv. Represent.	19	5	43,856	5	46,707	5	46,707	4½	42,370
Clerk III	13	4	26,407	4	28,182	4	28,182	4	28,182
		10	80,948	10	86,277	10	86,277	10	81,940

The Water Utility Customer Service function has been providing similar service to the Refuse Utility. It is proposed not to do this in 1968. This will result in no contribution from others and should be realized as a reduced work load on the commercial accounts. This will not be sufficient to allow a reduction in force to the Utility, however, it is possible that any increase to the Utility Customer Service section can be postponed until 1970 instead of the expected 1969 budget. No increase of personnel is requested this year.



## CITY OF ANCHORAGE

DEPARTMENT	ACCOUNT TITLE	ACCOUNT NUMBER	SUMMARY		
Public Works--Water	Engineering	4652			
EXPENDITURE TYPE	1966 ACTUAL EXPENDITURE	1967 ADJUSTED BUDGET	1968 DEPARTMENT REQUEST	1968 MANAGER RECOMMENDS	1968 COUNCIL APPROVED
Personal Services	Engineering Division Responsibility	23,800	24,500	24,500	24,500
Contractual		1,500	1,500	1,500	1,500
Supplies		600	600	600	600
Other Charges		0	0	0	0
Capital Outlay		0	0	0	0
(less Charges to Others)		2,000	2,200	2,200	2,200
Total		23,900	24,400	24,400	24,400

Program Outline

This unit is responsible for engineering planning, feasibility studies, preparation of construction plans and specifications, contract administration and maintenance of current maps reflecting our rapid growing utility. The majority of work is charged to construction projects. The remainder, shown above, must be charged to general engineering for the utility.

Program Highlights

(1967 threshold: \_\_\_\_\_)

The construction phases of the Water Utility projects were contracted out to other agencies prior to 1967. The average total engineering cost to 1966 projects was nearly 12%. The 1967 charges are not all in yet but it appears to be under 8%. This has been the result of efficient and effective use of personnel and equipment by the Unit Supervisor. It is anticipated that engineering costs will continue in the 8% range.



## CITY OF ANCHORAGE

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DEPARTMENT		ACCOUNT TITLE	ACCOUNT NUMBER		DETAIL		B
Public Works--Water		Engineering	4652				
CODE No.	EXPENDITURE CLASSIFICATION	1966 ACTUAL EXPENDITURE	1967 REVISED BUDGET	1968 DEPARTMENT REQUEST	1968 MANAGER RECOMMENDS	1968 COUNCIL APPROVED	
11	PERSONAL SERVICES	Part of					
12	Salaries	Administrat-	23,000	24,000	24,000	24,000	
	Overtime	ion expense	800	500	500	500	
	Total		23,800	24,500	24,500	24,500	
	CONTRACTUAL						
21	Advertising		0	0	0	0	
22	Contracted Services		0	0	0	0	
23	Utility Services		0	0	0	0	
24	Insurance and Employee Benefits		0	0	0	0	
25	Rentals		1,500	1,500	1,500	1,500	
27	Repairs		0	0	0	0	
28	Travel		0	0	0	0	
29	Dues & Subscriptions		0	0	0	0	
	Total		1,500	1,500	1,500	1,500	
	SUPPLIES						
31	Materials		0	0	0	0	
35	Household and Janitorial		0	0	0	0	
36	Office Supplies, Postage and Printed Forms		500	500	500	500	
39	Small Tools		100	100	100	100	
	Total		600	600	600	600	
	OTHER CHARGES						
40							
41							
42							
43							
44	Contribution to Garage Fund						
47	Data Processing Services						
	Total		0	0	0	0	
	CAPITAL						
	Total		0	0	0	0	
60	Less Charges to Others		2,000	2,200	2,200	2,200	
	Total Operating Budget		23,900	24,400	24,400	24,400	



CITY OF ANCHORAGE

DEPARTMENT PUBLIC WORKS - WATER		ACCOUNT TITLE Engineering		ACCOUNT NUMBER 4652		PERSONNEL SCHEDULE				C
POSITION TITLE		GRADE	1967 REVISED BUDGET		1968 DEPARTMENT REQUEST		1968 MANAGER RECOMMENDS		1968 COUNCIL APPROVED	
Utility Engineer		31	½	6,800	½	7,560	½	7,560	½	7,560
Civil Engineer II		28	2	23,226	2	25,762	2	25,762	1	12,881
Civil Engineer I		24	1	9,501	1	10,508	1	10,508	1	10,508
Engineering Tech. IV		23	1	9,501	1	10,574	1	10,574	1	10,574
Engineering Tech. III		21	2	18,580	2	19,263	2	19,263	1½	14,447
Draftsman I		19	1	8,115	1	8,639	1	8,639	1	8,639
Less Charges to Projects			7½	75,723	7½	82,306	7½	82,306	5	64,609
				49,723		58,306		58,306		40,609
				26,000		24,000		24,000		24,000

The Line Items in this account represent no major change over 1967. This account is used for "general engineering" which can not be charged to any particular project. Maintaining maps and engineering records, checking other utilities plans for conflicts, assisting the public in locating water facilities in their neighborhoods, are but a few of the functions.

The project engineering costs for 1966 ranged just under 12 percent. The 1967 costs appear to be slightly below 8 percent. This has been accomplished by using portable radios with private cars, improved construction inspection methods, some specification changes and close supervision by the Utility Engineer.



## CITY OF ANCHORAGE

DEPARTMENT	ACCOUNT TITLE	ACCOUNT NUMBER	SUMMARY		
Public Works--Water	Administration	4653			A
EXPENDITURE TYPE	1966 ACTUAL EXPENDITURE	1967 ADJUSTED BUDGET	1968 DEPARTMENT REQUEST	1968 MANAGER RECOMMENDS	1968 COUNCIL APPROVED
Personal Services	105,173	42,210	52,350	51,850	51,650
Contractual	171,988	212,400	211,950	191,700	198,200
Supplies	3,012	800	800	800	800
Other Charges	7,774	2,500	34,541	34,541	32,845
Capital Outlay	0	0	0	0	0
(less Charges to Others)	( 2,651)	(21,000 )	(18,000)	(18,000)	(18,000)
Total	285,296	236,910	281,641	260,891	265,495

Program Outline

The general administration of the Utility is accomplished through this account. It involves the coordination of long range planning, resource, development, capital improvement program, water supply-transmission-distribution, financial controls and billing, and public and/or employee relations. Expenses which may not be considered appropriate in one of the other operating accounts are included here.

Program Highlights

(1967 threshold: \_\_\_\_\_)

Climatic conditions raise the cost of operation and employees above what might be considered average in the industry. The "average" utility similar to ours requires 60 employees. Management of the Utility has held our requirements to 53 if one considers all aspects of the operation (45 are actual utility employees). The Utility has grown nearly 9% this past year. Most Utility operational functions are performed efficiently. Meter reading and billing is not. It is hoped that our per-month meter reading and billing costs will drop in 1968 from the present \$2.15 toward a reasonable goal of \$0.75. This can not be done in one year, but gradual automation of this function can accomplish great savings. Improved remote controls of wells, valves, and pressures will streamline utility operation and further reduce operational expenses.



## CITY OF ANCHORAGE

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DEPARTMENT		ACCOUNT TITLE	ACCOUNT NUMBER		DETAIL		B
Public Works--Water		Administration	4653				
CODE No.	EXPENDITURE CLASSIFICATION	1966 ACTUAL EXPENDITURE	1967 REVISED BUDGET	1968 DEPARTMENT REQUEST	1968 MANAGER RECOMMENDS	1968 COUNCIL APPROVED	
11	PERSONAL SERVICES						
12	Salaries	98,286	41,210	51,850	51,850	51,650	
	Overtime	6,887	1,000	500	0	0	
	Total	105,173	42,210	52,350	51,850	51,650	
	CONTRACTUAL						
21	Advertising	564	500	250	250	250	
22	Contracted Services	136,010	163,000	149,000	128,800	135,300	
23	Utility Services	6,159	18,000	18,500	18,500	18,500	
24	Insurance & Employee Benefits	22,320	28,000	41,500	41,500	41,500	
25	Rentals	5,510	1,400	1,400	1,350	1,350	
27	Repairs	637	500	300	300	300	
28	Travel	500	700	700	700	700	
29	Dues & Subscriptions	288	300	300	300	300	
	Total	171,988	212,400	211,950	191,700	198,200	
	SUPPLIES						
31	Materials	109	100	100	100	100	
35	Household and Janitorial	0	0	0	0	0	
36	Office Supplies, Postage & Printed Forms	2,594	700	700	700	700	
39	Small Tools	309	0	0	0	0	
	Total	3,012	800	800	800	800	
	OTHER CHARGES						
40	Uncollectible Accounts	8,434	4,000	4,000	4,000	4,000	
41	Assessment Discounts		100	200	200	200	
42							
43							
44	Contribution to Garage	0	0	0	0	0	
45	Inventory Adjustments	(660)	(1,500)	0	0	0	
47	Data Processing Serv.		30,341	30,341	30,341	28,645	
	Total	7,774	2,500	34,541	34,541	32,845	
	CAPITAL	0	0	0	0	0	
	Total	287,947	257,910	299,641	278,891	283,495	
60	Less Charges to Others	2,651	21,000	18,000	18,000	18,000	
	Total Operating Budget	285,296	236,910	281,641	260,891	265,495	



## CITY OF ANCHORAGE

DEPARTMENT	ACCOUNT TITLE		ACCOUNT NUMBER		PERSONNEL SCHEDULE				C
PUBLIC WORKS - WATER	Administration		4653						
POSITION TITLE	GRADE	1967 REVISED BUDGET		1968 DEPARTMENT REQUEST		1968 MANAGER RECOMMENDS		1968 COUNCIL APPROVED	
Utility Manager	35	1	15,680	1	19,130	1	19,130	1	19,130
Utility Engineer	31	½	6,400	½	6,540	½	6,540	½	6,540
Admin. Assistant II	25	0	-0-	1	12,190	1	12,190	1	12,190
Admin. Assistant I	23	1	9,501	0	-0-	0	-0-	0	-0-
Clerk-Steno III	13	1	7,227	1	7,600	1	7,600	1	7,600
Clerk II	10	1	5,715	1	6,190	1	6,190	1	6,190
Charges to Projects		4½	44,523	4½	51,650	4½	51,650	4½	51,650
			4,313						
			48,210						



## CITY OF ANCHORAGE

DEPARTMENT	ACCOUNT TITLE	ACCOUNT NUMBER	WORK PROGRAM- JUSTIFICATION	D
PUBLIC WORKS - WATER	Administration	4653		

.11 Salaries - The reduction is reflected as a result of an internal transfer of one employee from this

.22 Contracted Services include:

	Dept. Request 1968	City Manager Recommends	Council Approved
Treasury	73,136	64,303	61,023
Utility Customer Service	23,312	23,312	22,934
Accounting	14,553	14,553	17,640
Legal	4,969	5,526	5,150
City Manager	8,915	-0-	-0-
City Council & Mayor	2,523	2,523	4,011
City Hall Rental	2,160	-0-	-0-
Audit	945	945	7,000
Public Works Administration	4,000	4,000	4,000
Duplicating	3,400	3,400	3,400
Courier	4,174	4,174	4,174
Mailing of Utility Bills	5,940	5,940	5,940
Employee Benefits for Portion of Finance Dept,	-0-	-0-	-0-
 Sub Total	 148,027	 128,676	 135,272
Miscellaneous	973	124	28
 Total	 149,000	 128,800	 135,300

Utility Growth was approximately 9%

.47 Data Processing - This item was included as part of the contracted services during 1967.

26,645

2,000 for development of new applications

28,645

.60 Charges to others - A 1% overhead is added to all construction work orders.



## CITY OF ANCHORAGE

## 1968-73 WATER UTILITY IMPROVEMENT PROGRAM

<u>Project</u>	<u>1968</u>	<u>1969</u>	<u>1970</u>	<u>1971</u>	<u>1972</u>	<u>1973</u>
1. Subdivision and Improvement District	\$150,000	\$116,000	\$150,000	\$250,000	\$250,000	\$300,000
2. Eastchester Urban Renewal	100,000	150,000				
3. Miscellaneous Loop Ties Within City	50,000	60,000	165,000	20,000	20,000	50,000
4. Miscellaneous Loop Ties Outside City	50,000	60,000	164,000	30,000	30,000	50,000
5. Auxiliary Power for Well	20,000	20,000	20,000		20,000	20,000
6. Campbell Creek Development	48,000	40,000	140,000	100,000		
7. New Meter Installation	5,000	10,000	10,000	10,000	10,000	10,000
8. New Equipment	8,500	5,000		10,000	5,000	10,000
9. 5 Million Gallon Reservoir	520,000					500,000
10. Tudor Road, Boniface to Lake Otis Road	375,000					
11. Chugach School Area	50,000					
12. Boniface Road, Northern Lights Blvd. to Tudor Road	195,000					
13. Tudor Road, Boniface Road to Reservoir	150,000					
14. Lake Otis Road, Tudor Road to Dowling Road		145,000				
15. Lake Otis Road, Dowling Road to Abbott Loop School		218,000				



## CITY OF ANCHORAGE

## 1968-73 WATER UTILITY IMPROVEMENT PROGRAM

<u>Project</u>	<u>1968</u>	<u>1969</u>	<u>1970</u>	<u>1971</u>	<u>1972</u>	<u>1973</u>
16. Seward Highway, International Airport Road to Dowling Road	\$	\$ 50,000	\$	\$	\$	\$
17. Geneva Woods		45,000				
18. Water Treatment Change		300,000				
19. Abbott Loop Road		250,000				
20. Seward Highway, Dowling Road to Sand Lake Road		225,000				
21. Downtown Upgrading		50,000	100,000	150,000	150,000	150,000
22. Spenard Upgrading		50,000	100,000	50,000	50,000	50,000
23. Earthquake Subdivision			200,000			
24. Dowling Road			160,000			
25. Lake Otis Road			170,000			
26. Planning and Feasibility Study				5,000		
27. Intake and Dam Maintenance				2,000		
28. C Street Extension				40,000		
29. Abbott Loop Road				130,000		
30. School Road				120,000		
31. New Well					110,000	
32. Miscellaneous Requirements		36,000	213,000	147,000	150,000	200,000



## 1968-73 WATER UTILITY IMPROVEMENT PROGRAM

<u>Project</u>	<u>1968</u>	<u>1969</u>	<u>1970</u>	<u>1971</u>	<u>1972</u>	<u>1973</u>
Total Construction	\$1,721,500	\$1,890,000	\$1,613,000	\$1,064,000	\$795,000	\$1,340,000

SOURCE OF FUNDS

Depreciation	330,000	511,000	593,000	357,000	360,000	365,000
Current Revenue	-0-	35,000	120,000	100,000	100,000	100,000
1965 Approved Bonds	560,000	1,344,000	900,000*	*	*	*
DHUD Matching Funds	674,750					
Carry Over From 1967 Bond Sale	156,750					

\* Additional Bonding will be required this year