

SUMMARY OF INDIVIDUAL CAPITAL IMPROVEMENT PROGRAM PROPOSALS

1973-1978 CAPITAL IMPROVEMENT PROGRAM

(1) Department Public Works

(2) Division Water Utility

Prior Yr. No (3)	Name of Project (4)	Year in Which Funding is Requested					
		1973 (5)	1974 (6)	1975 (7)	1976 (8)	1977 (9)	1978 (10)
73 1	Distribution Mains	900	1,000	1,100	1,000	1,000	900
73 2	Transmission Mains	400	600	500	400	400	600
73 3	Upgrade Distribution	150	150	150	150	175	175
73 4	Upgrade Transmission	500	500	500	500	100	100
73 5	New Connections	300	300	350	350	350	400
73 6	Water Meters	200	200	200	100	100	100
73 7	USGS Watershed Study	60	60	60	60	-0-	-0-
73 8	Auxiliary Power	40	15	40	15	40	15
73 9	Telemetry	100	35	35	35	40	45
73 10	New Equipment	75	50	60	60	70	70
73 11	5-Million-Gallon Reservoir	600	-0-	-0-	-0-	50	750
73 12	Well	125	25	150	30	450	25
73 13	State Highway Projects	75	60	70	80	70	70
73 14	Miscellaneous Requirements & Contingencies	350	200	220	220	240	250
73 15	Dam	800	16,000	-0-	-0-	-0-	-0-
74 1	Treatment Plant Modification	-0-	850	-0-	-0-	1,000	1,100
74 2	Heating of Water	-0-	75	-0-	-0-	-0-	-0-
74 3	Warm Storage	-0-	100	-0-	-0-	-0-	-0-
All amounts are in Thousands.							
(11) STATE FUNDS		1,750	4,000	-0-	-0-	-0-	-0-
FEDERAL FUNDS		250	8,000	-0-	-0-	-0-	-0-
BOND FUNDS AUTHORIZED		1,775	1,175	-0-	-0-	-0-	-0-
BOND FUNDS NOT AUTHORIZED		-0-	6,035	2,335	1,860	2,915	3,350
CONTRIBUTIONS		300	300	350	350	350	400
DEPRECIATION		600	710	750	790	820	850
OTHER		-0-	-0-	-0-	-0-	-0-	-0-
(12) TOTAL - FUNDING REQUIRED		4,675	20,220	3,435	3,000	4,085	4,600

CAPITAL PROJECT ESTIMATE	(1) Department and Division		(2) Project Title		(3) Priority Number
	Public Works - Water Utility		Distribution Mains		
Estimated Cost by Object	Estimated Total Cost (4)	Approp. Prior Years (5)	New-Appropriation 1973 (6)	Estimated Requirements	
(12) Equip. (Moveable)				1974 (7)	1977 (10)
(13) Land				1975 (8)	1978 (11)
(14) Buildings					
(15) Other Improvements	6,600	700	900	1,100	1,000
(16) Other					
TOTAL	6,600	700	900	1,100	1,000
Estimated Cost by					
Source of Funds					
Code	Fund	Title			
TOTAL					

(18) Gross Floor Area	N/A	Sq.Ft.	(19) Building Cost Per Sq.Ft.	\$	N/A	(20) Project Status Code	PE
(21) Architectural and Engineering Fees:			(22) Percent of Building Cost		N/A	%	
(23) Estimated Start Date	In Progress		(24) Estimated Completion Date		Continuing		
(25) Effect on Budget	Years First Year	Man	Salaries & Wages	Other Objects	Total Cost	Revenues	
List Program(s) Affected							

(26) Project Description and Justification (Continue on Additional Sheets, same size)

This item provides for the design and construction of distribution mains (6" through 12") throughout the service area. Included are improvement districts (financed by the City), water main extensions outside the City (financed by the City), and subdivision agreements inside and outside the City financed by either the developer or the City (City's cost would be oversizing only). Based upon previous historical data and a preliminary indication for 1973, it is estimated that 300 acres will be developed. This is approximately 2,000 lots. The entire list is unknown; however, the following are known:

Towne East (Phase II)	- \$70,000	Lampert #5	- \$10,000
Kensington Park (Phase II)	- \$70,000	Galitea #1	- \$10,000
Collegiate #4	- \$10,000	Improvement District 301 (Whitney Road)	- \$20,000
Huntington Park #5	- \$10,000	Improvement District 302 (Eureka & "D" Street)	- \$25,000
		Penland Park	- \$100,000

CAPITAL PROJECT ESTIMATE	(1) Department and Division		(2) Project Title				(3) Priority Number
	Public Works - Water Utility		Transmission Mains				
Estimated Cost by Object	Estimated Total Cost	Approp. Prior Years	New-Appropriation 1973		Estimated Requirements		
	(4)	(5)	1973	1974	1975	1976	
(12) Equip. (Moveable)			(6)	(7)	(8)	(9)	(10)
(13) Land							1978 (11)
(14) Buildings							
(15) Other Improvements							
(16) Other	3,500	600	400	600	500	400	600
TOTAL	3,500	600	400	600	500	400	600
Estimated Cost by Source of Funds							
Code							
Fund							
Title							
TOTAL							

(18) Gross Floor Area	N/A	Sq.Ft.	(19) Building Cost Per Sq.Ft.	\$	N/A	(20) Project Status Code	PE
(21) Architectural and Engineering Fees:	8%		(22) Percent of Building Cost		N/A	%	
(23) Estimated Start Date	In Progress		(24) Estimated Completion Date		Continuing		
(25) Effect on Budget	Years	Man	Salaries & Wages	Other Objects	Total Cost	Revenues	
List Program(s) Affected	First Year	Full Year					

(26) Project Description and Justification (Continue on Additional Sheets, same size)

This appropriation represents construction of a transmission grid (16" diameter and over) as outlined by the Water Utility's Master Plan. These projects will allow the Water Utility to meet its fire protection and domestic demands in the projected years. All projects are not final at this time; however, the following projects are proposed for 1973 construction:

"A" Street, 16th Avenue to Fireweed Lane (16" main), 3,500 L.F., \$120,000  
 Thompson Avenue, Bragaw to Pine (12" main), 2,600 L.F., \$100,000  
 International Airport Road, Eagle Street to "C" Street (16" main), 1,200 L.F., \$50,000  
 Dowling Road, Petersburg to Old Seward Highway (16" main), 3,200 L.F., \$130,000

CAPITAL PROJECT ESTIMATE	(1) Department and Division		(2) Project Title		(3) Priority Number		
	Public Works - Water Utility		Upgrade Distribution				
Estimated Cost by Object	Estimated Total Cost (4)	Approp. Prior Years (5)	1974 (7)	1975 (8)	1976 (9)	1977 (10)	1978 (11)
(12) Equip. (Moveable)							
(13) Land							
(14) Buildings							
(15) Other Improvements		50	175	200	250	275	200
(16) Other	1,300						
TOTAL	1,300	50	175	200	250	275	200
Estimated Cost by Source of Funds							
Code	Fund	Title					
TOTAL							

(18) Gross Floor Area \_\_\_\_\_ Sq.Ft. (19) Building Cost Per Sq.Ft. \$ \_\_\_\_\_ (20) Project Status Code \_\_\_\_\_

(21) Architectural and Engineering Fees: \_\_\_\_\_ (22) Percent of Building Cost \_\_\_\_\_ %.

(23) Estimated Start Date \_\_\_\_\_ (24) Estimated Completion Date \_\_\_\_\_

List Program(s) Affected	Years First Year	Man Years	Salaries & Wages	Other Objects	Total Cost	Revenues

(26) Project Description and Justification (Continue on Additional Sheets, same size)

This appropriation covers replacement of the 5 1/2 miles of wood-stave distribution mains and various loop-ties throughout the system. This item also includes projects which must be done prior to paving.

CAPITAL PROJECT ESTIMATE		(1) Department and Division	(2) Project Title	(3) Priority Number
Public Works - Water Utility		Upgrade Transmission		73-4
Estimated Total Cost by Object		Estimated Requirements		
(12) Equip. (Moveable)	Approp. Prior Years (5)	1974 (7)	1975 (8)	1976 (9)
(13) Land				1977 (10)
(14) Buildings				1978 (11)
(15) Other Improvements	450	500	500	100
(16) Other				
TOTAL	2,650	500	500	100
Estimated Cost by	450	500	500	100
Source of Funds				
Code				
Fund				
Title				
TOTAL				

(18) Gross Floor Area \_\_\_\_\_ Sq.Ft. (19) Building Cost Per Sq.Ft. \$ \_\_\_\_\_ (20) Project Status Code \_\_\_\_\_  
 (21) Architectural and Engineering Fees: \_\_\_\_\_ (22) Percent of Building Cost \_\_\_\_\_ %  
 (23) Estimated Start Date \_\_\_\_\_ (24) Estimated Completion Date \_\_\_\_\_

List Program(s) Affected	Man Years		Salaries & Wages	Other Objects	Total Cost	Revenues
	Years First Year	Full Year				

(26) Project Description and Justification (Continue on Additional Sheets, same size)  
 This appropriation covers the replacement of the 24-inch wood-stave main. Funding for 1973 covers the replacement of the main from the Air Force Hospital to North Pine. The 1974 appropriation covers replacement of the section between Airport Heights and Orca. The 1975 appropriation covers replacement of the main between Orca and "C" St. Funding for 1976-1978 covers upgrading of the 20-inch spiral weld main from the diversion dam to the Treatment Plant.

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CAPITAL PROJECT ESTIMATE	(1) Department and Division		(2) Project Title				(3) Priority Number
	Public Works - Water Utility		New Connections				
Estimated Cost by Object (12) Equip. (Moveable) (13) Land (14) Buildings (15) Other Improvements (16) Other	Estimated Total Cost (4)	Approp. Prior Years (5)	Estimated Requirements				1978 (11)
		1973 (6)	1974 (7)	1975 (8)	1976 (9)	1977 (10)	
TOTAL	2,350	300	300	350	350	350	400
Estimated Cost by Source of Funds	2,350	300	300	350	350	350	400
Code							
Fund							
Title							
TOTAL							

(18) Gross Floor Area	N/A	Sq.Ft.	(19) Building Cost Per Sq.Ft.	\$	N/A	(20) Project Status Code	P.E.
(21) Architectural and Engineering Fees:			(22) Percent of Building Cost		N/A	%	
(23) Estimated Start Date		In Progress	(24) Estimated Completion Date		Continuing		
(25) Effect on Budget	Years	Man	Salaries & Wages	Other Objects	Total Cost	Revenues	
List Program(s) Affected	First Year						
	Full Year						

(26) Project Description and Justification (Continue on Additional Sheets, same size)

This appropriation is a contribution-in-aid of construction, and covers installation of new service connections. An estimated 1,800 connections are to be installed in 1973. A small increase is projected in the years following. This appropriation is returned to the Water Utility upon installation of the water connections.

CAPITAL PROJECT ESTIMATE	(1) Department and Division		(2) Project Title				(3) Priority Number	
	Public Works - Water Utility		Water Meters					
Estimated Cost by Object	Estimated Total Cost (4)	Approp. Prior Years (5)	1973 (6)	1974 (7)	1975 (8)	1976 (9)	1977 (10)	1978 (11)
(12) Equip. (Moveable)								
(13) Land								
(14) Buildings								
(15) Other Improvements								
(16) Other	1,100	200	200	200	200	100	100	100
TOTAL	1,100	200	200	200	200	100	100	100
Estimated Cost by Source of Funds								
Code	Fund	Title						
TOTAL								

(18) Gross Floor Area	N/A	Sq.Ft.	(19) Building Cost Per Sq.Ft.	\$	N/A	(20) Project Status Code	PE
(21) Architectural and Engineering Fees:			(22) Percent of Building Cost		N/A	%	
(23) Estimated Start Date		In Progress	(24) Estimated Completion Date		Continuing		
(25) Effect on Budget	Years	Man	Salaries & Wages	Other Objects	Total Cost	Revenues	
List Program(s) Affected	First Year	Full Year					

(26) Project Description and Justification (Continue on Additional Sheets, same size)

This appropriation covers purchase and installation of water meters on a continuing basis as recommended by the R. W. Beck Rate Study. Appropriations represent installation of meters for old accounts as well as new accounts.

- 1973 - 750 meters to be installed
- 1974 - 750 meters to be installed
- 1975 - 700 meters to be installed
- 1976 - 400 meters to be installed
- 1977 - 400 meters to be installed
- 1978 - 400 meters to be installed

CAPITAL PROJECT ESTIMATE		(1) Department and Division	(2) Project Title	(3) Priority Number
		Public Works-Water Utility	U.S.G.S. Study	73-7
		Estimated Total Cost (4)	Estimated Requirements	
		Approp. Prior Years (5)	1974 (7)	1975 (8)
		New-Appropriation 1973 (6)	1976 (9)	1977 (10)
(12) Equip. (Moveable)	290	60	60	1978 (11)
(13) Land				
(14) Buildings				
(15) Other Improvements	50	60	60	-0-
(16) Other				
TOTAL	290	60	60	-0-
Estimated Cost by Source of Funds				
Code	Fund	Title		
TOTAL				

(18) Gross Floor Area	Sq.Ft.	(19) Building Cost Per Sq.Ft.	\$	n/a	(20) Project Status Code	P.F.
(21) Architectural and Engineering Fees:		-0-				
(23) Estimated Start Date	January 1, 1973					
(22) Percent of Building Cost	n/a					
(24) Estimated Completion Date	Continuing					
(25) Effect on Budget	Years	Man	Salaries & Wages	Other Objects	Total Cost	Revenues
List Program(s) Affected	First Year	Full Year				

(26) Project Description and Justification (Continue on Additional Sheets, same size)

This appropriation covers a proposed study by the U.S.G.S. which will cover a recharge study on Ship Creek, North Fork Campbell Creek, South Fork Campbell Creek. A study of the effects of urbanization on the hydrologic cycle and various quality of water studies are included. The appropriation represents the City's share in a three way funded project. The agreement is presently being negotiated and is to be presented to City Council for approval.

CAPITAL PROJECT ESTIMATE	(1) Department and Division		(2) Project Title				(3) Priority Number	
	Public Works - Water Utility		Auxiliary Power					
Estimated Cost by Object	Estimated Total Cost (4)	Approp. Prior Years (5)	New-Appropriation 1973 (6)	1974 (7)	1975 (8)	1976 (9)	1977 (10)	1978 (11)
(12) Equip. (Moveable)								
(13) Land								
(14) Buildings								
(15) Other Improvements	125	15	40	15	40	15	-0-	-0-
(16) Other								
TOTAL	125	15	40	15	40	15	-0-	-0-
Estimated Cost by Source of Funds								
Code	Fund	Title						
TOTAL								

(18) Gross Floor Area	N/A	Sq.Ft.	(19) Building Cost Per Sq.Ft.	\$ N/A	(20) Project Status Code	PE
(21) Architectural and Engineering Fees:			(22) Percent of Building Cost	N/A	%	
(23) Estimated Start Date	January, 1973		(24) Estimated Completion Date	January, 1976		
(25) Effect on Budget	Years	Salaries & wages	Other Objects	Total Cost	Revenues	
List Program(s) Affected	First Year					
	Full Year					

(26) Project Description and Justification (Continue on Additional Sheets, same size)

This appropriation covers the purchase and installation of 125 KW standby generators for Well #2, #3, #4, and #8. The installation of standby power assures continuous availability of water during a power failure as well as upgrading the wells in the fire rating. The following schedule is proposed:

1973 - Well #4 - 125 KW generator and building modification  
 1974 - Well #8 - 125 KW generator  
 1975 - Well #3 - 125 KW generator and building modification  
 1976 - Well #2 - 125 KW generator

CAPITAL PROJECT ESTIMATE	(1) Department and Division		(2) Project Title				(3) Priority Number
	Public Works - Water Utility		Telemetering				
Estimated Cost by Object	Estimated Total Cost (4)	Approp. Prior Years (5)	New-Appropriation 1973 (6)				Estimated Requirements
(12) Equip. (Moveable)							
(13) Land							
(14) Buildings							
(15) Other Improvements							
(16) Other	340	50	100	35	35	40	45
TOTAL	340	50	100	35	35	40	45
Estimated Cost by Source of Funds							
Code	Fund	Title					
TOTAL							

(18) Gross Floor Area	N/A	Sq.Ft.	(19) Building Cost Per Sq.Ft.	\$ N/A	(20) Project Status Code	PPC
(21) Architectural and Engineering Fees:			(22) Percent of Building Cost	N/A	%	
(23) Estimated Start Date	In Progress		(24) Estimated Completion Date	Continuing		
(25) Effect on Budget	Years	Man	Salaries & Wages	Other Objects	Total Cost	Revenues
List Program(s) Affected	First Year	Full Year				

(26) Project Description and Justification (Continue on Additional Sheets, same size)

This item provides for the automatic controlling of all wells and reservoirs in the water system from the Treatment Plant. To accomplish this, a base station is proposed for installation at the Treatment Plant in 1973. Appropriation in years following represent complete telemetry of all wells from the Treatment Plant. The following schedule is proposed:

1973 - Installation of base station at Treatment Plant and remote units on wells  
 1974 - Completion of remote units on wells  
 1975 - Remote controls for pressure reducing pits  
 1976 - Completion of remote pressure reducer  
 1977 - Establishment of monitoring stations  
 1978 - Continuation

CAPITAL PROJECT ESTIMATE	(1) Department and Division		(2) Project Title		(3) Priority Number		
	Public Works - Water Utility		New Equipment				
Estimated Cost by Object	Estimated Total Cost (4)	Approp. Prior Years (5)	1974 (7)	1975 (8)	1976 (9)	1977 (10)	1978 (11)
(12) Equip. (Moveable)	371	50	40	50	50	60	60
(13) Land							
(14) Buildings							
(15) Other Improvements	64	-0-	10	10	10	10	10
(16) Other							
TOTAL	435	50	50	60	60	70	70
Estimated Cost by Source of Funds							
Code	Fund	Title					
TOTAL							

(18) Gross Floor Area	N/A	Sq.Ft.	(19) Building Cost Per Sq.Ft.	\$ N/A	(20) Project Status Code	PF
(21) Architectural and Engineering Fees:			(22) Percent of Building Cost	N/A	%	
(23) Estimated Start Date	January 1, 1973		(24) Estimated Completion Date	Continuing		
(25) Effect on Budget List Program(s) Affected	Years First Year	Years Full Year	Salaries & Wages	Other Objects	Total Cost	Revenues

(26) Project Description and Justification (Continue on Additional Sheets, same size)

This item provides for purchase of new equipment used by the Water Utility to construct and maintain its facilities. The following schedule is proposed:

1973 - Purchase of Front-End Loader \$35,000  
Purchase of Economy Pickup \$ 2,500 (replaces ex-police car)  
Purchase of 2-1/2 Ton Pickups and Accessories \$ 7,000  
Purchase of Truck to Mount Boiler on \$ 6,500 (replace ex-garbage chasis)  
Purchase of Utility Truck \$10,000  
Purchase of Radio Equipment (6 replacements - 4 new mobiles) \$10,000  
Purchase of Small Tools and Necessary Office Equipment \$ 5,000

CIP-2Appropriation for following years is not known at this time.

CAPITAL PROJECT ESTIMATE

(1) Department and Division	(2) Project Title		(3) Priority Number
Public Works-Water Utility	Approp. Prior Years (5)	New-Appropriation 1973 (6)	Estimated Requirements
Estimated Total Cost (4)	1974 (7)	1975 (8)	1976 (9)
Estimated Cost by Object			
(12) Equip. (Moveable)	50	600	-0-
(13) Land			
(14) Buildings			
(15) Other Improvements			
(16) Other			
TOTAL	1,450	600	-0-
Estimated Cost by Source of Funds			
TOTAL	1,450	600	-0-
Code			
Fund			
Title			
TOTAL			

(18) Gross Floor Area n/a Sq.Ft. (19) Building Cost Per Sq.Ft. \$ n/a (20) Project Status Code PPP  
 (21) Architectural and Engineering Fees: -0- (22) Percent of Building Cost n/a %  
 (23) Estimated Start Date July 1, 1972 (24) Estimated Completion Date December 1, 1973

List Program(s) Affected	Years First Year	Years Full Year	Man	Salaries & Wages	Other Objects	Total Cost	Revenues

(26) Project Description and Justification (Continue on Additional Sheets, same size)  
 TO provide for needed fire protection in the north side of the water system, a 5-million-gallon reservoir is proposed for construction in 1973 at the Treatment Plant, which would allow for flexibility during a shut-down of the Treatment Plant. The Water Utility's Master Plan calls for more storage in this area. Future years appropriation for construction of a reservoir in the area of International Airport.

CAPITAL PROJECT ESTIMATE	(1) Department and Division		(2) Project Title		(3) Priority Number		
	Public Works - Water Utility		Production Well				
Estimated Cost by Object	Estimated Total Cost (4)	Approp. Prior Years (5)	1974 (7)	1975 (8)	1976 (9)	1977 (10)	1978 (11)
(12) Equip. (Moveable)							
(13) Land							
(14) Buildings							
(15) Other Improvements	855	50	25	150	30	450	25
(16) Other							
TOTAL	855	50	25	150	30	450	25
Estimated Cost by Source of Funds							
Code	Fund	Title					
TOTAL							

(18) Gross Floor Area	N/A	Sq.Ft.	(19) Building Cost Per Sq.Ft.	\$ N/A	(20) Project Status Code	PPP
(21) Architectural and Engineering Fees:	8%		(22) Percent of Building Cost	N/A	%	
(23) Estimated Start Date			(24) Estimated Completion Date			
(25) Effect on Budget	Years	Man	Salaries & Wages	Other Objects	Total Cost	Revenues
List Program(s) Affected	First Year	Full Year				

(26) Project Description and Justification (Continue on Additional Sheets, same size)

This appropriation provides for construction of production wells located on the north fork and south fork of Campbell Creek. These wells will provide the necessary water supply until a surface reservoir can be developed. The following schedule is proposed:

1973 - Construction of Well #11 (estimated 1.5 MGD capacity) (\$125,000)  
 1974 - Design of Well #12 (estimated 1.5 MGD) (Design Fee \$25,000)  
 1975 - Construction of Well #12 (\$150,000)  
 1976 - Design of Well #13 and Connecting Main (estimated 2 MGD) (Design Fee \$30,000)  
 1977 - Construction of Well #13 and Connecting Main (\$450,000)  
 1978 - Design of Well #14 (Design Fee \$25,000) Proposed site on south fork of Campbell Creek

CAPITAL PROJECT ESTIMATE	(1) Department and Division		(2) Project Title		(3) Priority Number	
	Public Works-Water Utility		State Highway Projects			
Estimated Cost by Object	Estimated Total Cost (4)	Approp. Prior Years (5)	Estimated Requirements		1977 (10)	1978 (11)
			1974 (7)	1975 (8)		
(12) Equip. (Moveable)	475	50	60	70	70	70
(13) Land						
(14) Buildings						
(15) Other Improvements						
(16) Other						
TOTAL	475	50	60	70	70	70
Estimated Cost by						
Source of Funds						
Code						
Fund						
Title						
TOTAL						

(18) Gross Floor Area	n/a	Sq.Ft.	(19) Building Cost Per Sq.Ft.	\$n/a	(20) Project Status Code	PPP
(21) Architectural and Engineering Fees:	-0-		(22) Percent of Building Cost	n/a	%	
(23) Estimated Start Date	In Progress		(24) Estimated Completion Date	Continuing		
(25) Effect on Budget	Years	Man	Salaries & Wages	Other Objects	Total Cost	Revenues
List Program(s) Affected	First Year	Full Year				

(26) Project Description and Justification (Continue on Additional Sheets, same size)

This appropriation covers funding of highway crossings ahead of future road construction proposed projects for 1973 includes; Boniface and Debarr Road crossings and miscellaneous stub-outs along new Tudor Road construction. Following years appropriations covers construction cost of projects not known at this time.

\*Figures shown in thousands

CAPITAL PROJECT ESTIMATE	(1) Department and Division		(2) Project Title		(3) Priority Number			
	Public Works - Water Utility		Miscellaneous Requirements & Contingencies					
Estimated Cost by Object	Estimated Total Cost (4)	Approp. Prior Years (5)	New-Appropriation 1973 (6)	1974 (7)	1975 (8)	1976 (9)	1977 (10)	1978 (11)
(12) Equip. (Moveable)								
(13) Land								
(14) Buildings		150	350	200	220	240	250	
(15) Other Improvements								
(16) Other								
TOTAL	1,050	150	350	200	220	240	250	
Estimated Cost by Source of Funds								
Code	Fund	Title						
TOTAL								

(18) Gross Floor Area	N/A	Sq.Ft.	(19) Building Cost Per Sq.Ft.	\$	N/A	(20) Project Status Code	NO
(21) Architectural and Engineering Fees:			(22) Percent of Building Cost		N/A	%	
(23) Estimated Start Date		In Progress	(24) Estimated Completion Date		Continuing		
(25) Effect on Budget List Program(s) Affected	Years First Year	Man	Salaries & Wages	Other Objects	Total Cost	Revenues	
	Full Year						

(26) Project Description and Justification (Continue on Additional Sheets, same size)  
 This item covers emergency needs not foreseen at this time, such as projects moved up a year ahead of schedule, unscheduled replacement of equipment, etc.

CAPITAL PROJECT ESTIMATE	(1) Department and Division		(2) Project Title				(3) Priority Number	
	Water		Dam					
Estimated Cost by Object (12) Equip. (Moveable) (13) Land (14) Buildings (15) Other Improvements (16) Other	Estimated Total Cost (4)	Approp. Prior Years (5)	New-Appropriation 1973 (6)	1974 (7)	1975 (8)	1976 (9)	1977 (10)	1978 (11)
		17,000	200	800	16,000	-0-	-0-	-0-
TOTAL	17,000	200	800	16,000	-0-	-0-	-0-	-0-
Estimated Cost by								
Source of Funds								
Code	Fund	Title						
	Water Revenue		800	4,000				
	State			4,000				
	Federal			8,000				
	TOTAL		800	16,000				

(18) Gross Floor Area      Sq.Ft. (19) Building Cost Per Sq.Ft. \$      x      (20) Project Status Code       
 (21) Architectural and Engineering Fees: 800 (22) Percent of Building Cost      x      %  
 (23) Estimated Start Date      (24) Estimated Completion Date     

List Program(s) Affected	Budget	Years First Year	Years Full Year	Salaries & Wages	Other Objects	Total Cost	Revenues

(26) Project Description and Justification (Continue on Additional Sheets, same size)

The construction of a Dam to impound 35,000 acre feet of storage to increase the availability of water for the City.

Prior year appropriation covers the feasibility study.

The 1973 appropriation is for the design of the facility.

1974 appropriation is for the construction.

CAPITAL PROJECT ESTIMATE

CAPITAL PROJECT ESTIMATE	(1) Department and Division		(2) Project Title				(3) Priority Number
	Public Works - Water Utility		Treatment Plant Modification				
Estimated Cost by Object (12) Equip. (Moveable) (13) Land (14) Buildings (15) Other Improvements (16) Other	Estimated Total Cost (4)	Approp. Prior Years (5)	Estimated Requirements				
			1974 (7)	1975 (8)	1976 (9)	1977 (10)	1978 (11)
	3,000	50	850	-0-	-0-	1,000	1,100
TOTAL	3,000	50	850	-0-	-0-	1,000	1,100
Estimated Cost by Source of Funds							
Code	Fund	Title					
TOTAL							

(18) Gross Floor Area	N/A	Sq.Ft.	(19) Building Cost Per Sq.Ft.	\$	N/A	(20) Project Status Code	DPC
(21) Architectural and Engineering Fees:			(22) Percent of Building Cost		N/A	%	SPC
(23) Estimated Start Date	January 1, 1972		(24) Estimated Completion Date		1973		
(25) Effect on Budget	Years	Man	Salaries & Wages	Other Objects	Total Cost	Revenues	
List Program(s) Affected	First Year	Full Year					

(26) Project Description and Justification (Continue on Additional Sheets, same size)  
 This project involves two stages with the first stage being the enlarging and replacing of appurtenances within the Water Treatment Plant to increase plant capacity to a peak of 30 MGD. This project is being delayed until more storage capacity can be developed at the Treatment Plant. The second stage (1977-1978) will increase plant size to 75 MGD.

CAPITAL PROJECT ESTIMATE	(1) Department and Division		(2) Project Title				(3) Priority Number
	Public Works-Water Utility	New-Appropriation 1973	Heating of Water - Estimated Requirements				
Estimated Cost by Object	Estimated Total Cost (4)	Approp. Prior Years (5)	1974 (7)	1975 (8)	1976 (9)	1977 (10)	1978 (11)
(12) Equip. (Moveable)	75	-0-	75	-0-	-0-	-0-	-0-
(13) Land							
(14) Buildings							
(15) Other Improvements							
(16) Other							
TOTAL	75	-0-	75	-0-	-0-	-0-	-0-
Estimated Cost by							
Source of Funds							
Code	Fund	Title					
TOTAL							

(18) Gross Floor Area	n/a	Sq.Ft.	(19) Building Cost Per Sq.Ft.	\$ n/a	(20) Project Status Code	PPP
(21) Architectural and Engineering Fees:	June 1, 1973	-0-	(22) Percent of Building Cost	n/a	%	
(23) Estimated Start Date	June 1, 1973		(24) Estimated Completion Date	November 1, 1973		
(25) Effect on Budget	Years First Year	Man Years	Salaries & Wages	Other Objects	Total Cost	Revenues
List Program(s) Affected						

(26) Project Description and Justification (Continue on Additional Sheets, same size)  
 This item provides funding for hook-up of the raw water supply to the heat exchanger to be constructed as a part of the power generation unit to be built at the Treatment Plant. Studies indicate the water temperature can be increased as much as 20 degrees, which should help eliminate freezing problems. This appropriation does not include any appurtenances to the power plant which is to be funded by ML&P.

CAPITAL PROJECT ESTIMATE	(1) Department and Division		(2) Project Title				(3) Priority Number	
	Public Works-Water Utility		Warm Storage				74 -3	
Estimated Cost by Object (12) Equip. (Moveable) (13) Land (14) Buildings (15) Other Improvements (16) Other	Estimated Total Cost (4)	Approp. Prior Years (5)	New-Appropriation 1973 (6)	1974 (7)	1975 (8)	1976 (9)	1977 (10)	1978 (11)
		100	-0-	-0-	100	-0-	-0-	-0-
TOTAL	100	-0-	-0-	100	-0-	-0-	-0-	-0-
Estimated Cost by Source of Funds								
Code Fund Title								
TOTAL								

(18) Gross Floor Area	3,500	Sq.Ft.	(19) Building Cost Per Sq.Ft.	\$ 30.00	(20) Project Status Code	P.E.	
(21) Architectural and Engineering Fees:	10%		(22) Percent of Building Cost			%.	
(23) Estimated Start Date	June, 1974		(24) Estimated Completion Date	September, 1974			
(25) Effect on Budget	Years	Man	Years	Salaries & Wages	Other Objects	Total Cost	Revenues
List Program(s) Affected	First Year		Full Year				

(26) Project Description and Justification (Continue on Additional Sheets, same size)  
 This appropriation covers construction of a storage garage for heavy equipment and large service trucks.