# THE CITY OF PRINCE ALBERT



WATER UTILITY FUND BUDGET FOR YEAR ENDING DECEMBER 31, 2017

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# December 31, 2017 Consolidated Budget Document

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## **Budget Overview**



The Water and Sewer Utility Fund is designed as a self-sustaining entity with the intent to operate the water and waste water systems independent of the City's tax base. It is maintained via utility rates and fees that provide the funding resources for the operating and capital costs associated with providing safe potable drinking water and for treating the effluent generated by the community.

Administration continually reviews and monitors this Fund's revenue sources. Water and Sewer Utility Rates and Fees Bylaw 2 of 2016 is the most recent bylaw that set the Utility rates and fees currently in place.

As part of the 2017 budgeting process, Administration is recommending an amendment to the Water and Sewer Utility Rates and Fees Bylaw to reflect the changes to rates and fees incorporated in this 2017 Water Utility Fund Budget. The rate increases proposed reflect a 1.9% increase in the average annual rates and fees to be paid by an average Prince Albert household over the 2017 calendar year. The recommended rate increases are required to ensure that sufficient funds exist to cover annual operating costs and capital costs for 2017. The rate increases recommended for 2017 do not address the need to recover prior Water Utility Fund losses and the need to address the increase in projected future capital spending.

For 2017 there are budgetary adjustments to the revenues and expenditures of this fund which include the items highlighted below.

#### **Budgeted Revenue**

Budgeted revenue has been increased by \$1,046,740 for 2017 from \$16,327,100 in 2016 to \$17,373,840 in 2017. The four primary sources of revenue for the Water and Sewer Utility Fund are:

- 1. <u>Water Utility Consumption Fees</u> Based on the rates recommended for 2017 and a correction of billing errors identified by Administration in 2016, Administration is projecting that water revenues in this category will increase by \$472,540 to \$4,991,570. The increase related to the correction of billing errors was \$297,000.
- 2. <u>Water Utility Flat Fees</u> Based on the rates recommended for 2017, Administration is projecting that the Water Utility Flat fees will increase by \$95,960 to \$4,281,940.
- 3. <u>Sewer Utility Consumption Fees</u> Based on the rates recommended for 2017 and a correction of billing errors identified by Administration in 2016, Administration is projecting that revenues will increase by \$345,630 to \$4,153,860. The increase related to the correction of billing errors was \$278,000.
- 4. <u>Sewer Utility Flat Fees</u> Known also as the Sewer Infrastructure charge, this fee is based on the size of the water meter utilized at someone's property. Based on the rates recommended for 2017, Administration is projecting that revenue from this fee increase by \$132,610 to \$3,441,170.

Recognition of the revenue generated from water, sewer and sanitation services to City facilities continues to be recorded.

#### **Budgeted Expenses**

Budgeted expenses have been increased by \$149,820 for 2017 from \$11,202,220 in 2016 to \$11,352,040 in 2017. Some of the major increases to operating expenditures in the 2017 Water Utility Fund budget are as follows:

- O An overall increase to Salaries Wages and Benefits of \$235,750 related to base adjustments, a provision for salary increases based on upcoming collective bargaining negotiations, an increase in the budget for normal levels of overtime not previously budgeted for, the transfer of budget from the General Fund for a Clerk Steno position to reflect where they are utilized, and the adjustment of budgeted amounts to reflect the actual cost of approved positions.
- O An overall increase to Contracted and General Services of \$39,100 related primarily to the completion of the development of a hydraulic model and a design of a UDI flushing sequence related to watermain repairs and an increase requested related to development of an Asset Management Plan for both the Water Treatment and Waste Water Treatment operations. These increases are offset by the removal of one-time budgeted funding in the prior year as well as a reduction for other budgeted amounts no longer required.
- An increase in Fleet Expenses of \$40,550 based on Administration's proposed 6% increase in fleet rates proposed for the 2017 Budget.
- An overall decrease to Maintenance Materials and Supplies of \$81,020 related primarily to decreases as a result of the removal of one-time budgeting funding from the prior year, a decrease in chemical costs, asphalt and granular material costs, and fire-hydrant replacement costs. These decreases are offset by increases for various one-time expenditures for equipment, maintenance, and funding for a Sludge Management Report. Other adjustments were made to budgeted amounts based on a review of historical costs and expectations for 2017.
- A decrease of \$33,920 in the budget for Insurance costs based in initial estimates from the insurance renewal process.

#### 2017 Capital Budget

For 2017, Administration is proposing \$20,420,400 in capital spending for the following items:

- o \$12,000,000 for New Water Storage Reservoirs
- o \$2,450,000 for Zone 2 Reservoir Upgrades
- o \$1,000,000 for Watermain Replacements
- o \$260,000 for Filtration Retrofit Completion
- \$80,000 for Lead Service Replacement Program
- \$2,093,700 for Sewage Pumping Station Upgrades
- o \$300,000 for Sanitary/Storm Sewer Replacement Program
- o \$195,000 for 3 Used Tandem Trucks
- o \$500,000 for the Replacement of Unit 85 Sewer Jet Rodder
- \$150,000 for the Replacement of Unit 351 Vibratory Drum
- o \$65,000 for the Replacement of Unit 207 Steamer Unit
- o \$25,000 for the Replacement of Unit 89 Collections & Distribution Crew Bus
- o \$1,301,700 for Loan Payments

Please see below for a summary of 2017 capital spending and the funding sources:

		Water	Sewer	Fleet	Total
Water Utility Reserve	\$ 1	1,865,800	\$ 1,620,900	\$ -	\$ 3,486,700
Equipment Fleet Reserve		-	-	390,000	390,000
External Funding	Ç	9,000,000	2,093,700	-	11,093,700
Debt Financing		5,450,000	-	-	5,450,000
	16	5,315,800	3,714,600	390,000	20,420,400

#### WATER UTILITY FUND BUDGET OVERVIEW

For the Year Ending December 31, 2017

#### **Waterworks Improvement Fund Balance**

In conclusion, the sustainability of the Water Utility Fund is dependent on users being charged rates and fees that result in sufficient revenues to cover required operating costs and capital costs. As always, Administration works hard to provide a budget that is fiscally responsible and palatable for the residents of Prince Albert.

A summary of the 2017 Budget's impact on the Waterworks Improvement Fund Balance is as follows:

- The budgeted Water Utility Fund Surplus from operations to be transferred to the Waterworks Improvement Fund for 2017 is \$5,264,250.
- o A transfer of \$3,486,700 to the Capital Committed Reserve for 2017 Capital Expenditures.
- o This results in an estimated increase to the Waterworks Improvement Fund of \$1,777,550 bringing the estimated closing <u>deficit</u> to \$5,692,464.

	2017 Budget	2016 Budget	(Favourable) Unfavourable Change
REVENUES	(4.= 000 = 10)	(4.5.05.000)	(44.046.740)
User Charges and Fees		(\$15,956,800)	(\$1,046,740)
Interest and Penalties	(300,300)	(300,300)	-
Sundry	(70,000)	(70,000)	
Total Revenues	(17,373,840)	(16,327,100)	(1,046,740)
EXPENSES			
Salaries Wages and Benefits	5,765,280	5,529,530	235,750
Contracted and General Services	679,180	640,080	39,100
Financial Charges	-	380	(380)
Utilities	1,044,200	1,028,940	15,260
Interest on Long Term Debt	266,040	331,560	(65,520)
Fleet Expenses	716,300	675,750	40,550
Maintenance Materials and Supplies	2,758,860	2,839,880	(81,020)
Insurance	42,180	76,100	(33,920)
Bad Debt Expense	80,000	80,000	
Total Expenses	11,352,040	11,202,220	149,820
Operating (Surplus) Deficit	(6,021,800)	(5,124,880)	(896,920)
CAPITAL AND INTERFUND TRANSACTIONS			
Amortization	10	10	-
Transfer to General Fund	755 <i>,</i> 210	755,210	-
Transfer to Airport Fund	4,490	4,490	-
Transfer from Sanitation Fund	(2,160)	(2,160)	
Capital and Interfund Transactions	757,550	757,550	_
Capital and meetiana managed ons	707,000	737,330	
TOTAL (SURPLUS) DEFICIT	(5,264,250)	(4,367,330)	(896,920)
Allocated as Follows:			
Transfer to Waterworks Improvement Fund	1,777,550	124,630	1,652,920
Transfer to Capital Committed Reserve	3,486,700	4,242,700	(756,000)
	5,264,250	4,367,330	896,920

# FUNCTIONAL AREA: ADMINISTRATION, BILLING AND METER MAINTENANCE

			(Favourable)
	2017	2016	Unfavourable
	Budget	Budget	Change
REVENUES			
Interest and Penalties	(\$300,300)	(\$300,300)	\$-
Sundry	(70,000)	(70,000)	-
Total Revenues	(370,300)	(370,300)	_
	•	,	
EXPENSES			
Salaries Wages and Benefits	1,981,490	1,855,650	125,840
Contracted and General Services	2,500	2,500	-
Financial Charges	-	20	(20)
Interest on Long Term Debt	266,040	331,560	(65,520)
Fleet Expenses	27,980	26,400	1,580
Maintenance Materials and Supplies	694,870	711,320	(16,450)
Insurance	10,000	17,000	(7,000)
Bad Debt Expense	80,000	80,000	-
Total Expenses	3,062,880	3,024,450	38,430
Operating (Surplus) Deficit	2,692,580	2,654,150	38,430
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CAPITAL AND INTERFUND TRANSACTIONS			
Amortization	10	10	-
Transfer to General Fund	755,210	755,210	-
Transfer to Airport Fund	4,490	4,490	-
Transfer from Sanitation Fund	(2,160)	(2,160)	-
Capital and Interfund Transactions	757,550	757,550	-
	2 // 50 120		20 420
TOTAL (SURPLUS) DEFICIT	3,450,130	3,411,700	38,430

#### **FUNCTIONAL AREA: WATER TREATMENT AND MAINTENANCE**

			(Favourable)
	2017	2016	Unfavourable
	Budget	Budget	Change
REVENUES			
Water Utility Consumption Fees	(\$4,991,570)	(\$4,519,030)	(472,540)
Water Utility Flat Fees	(4,281,940)	(4,185,980)	(95,960)
Total Revenues	(9,273,510)	(8,705,010)	(568,500)
EXPENSES			
Salaries Wages and Benefits	2,194,190	2,030,700	163,490
Contracted and General Services	147,000	122,900	24,100
Financial Charges	-	160	(160)
Utilities	552 <i>,</i> 900	556,000	(3,100)
Fleet Expenses	283,670	243,480	40,190
Maintenance Materials and Supplies	1,257,900	1,359,120	(101,220)
Insurance	18,430	33,800	(15,370)
Total Expenses	4,454,090	4,346,160	107,930
Operating (Surplus) Deficit	(4,819,420)	(4,358,850)	(460,570)
CAPITAL AND INTERFUND TRANSACTIONS			
TOTAL (SURPLUS) DEFICIT	(4,819,420)	(4,358,850)	(460,570)

### **FUNCTIONAL AREA: WASTE WATER TREATMENT AND MAINTENANCE**

			(Favourable)
	2017	2016	Unfavourable
	Budget	Budget	Change
REVENUES			
Sewer Utility Consumption Fees	(\$4,153,860)	(\$3,808,230)	(\$345,630)
Sewer Utility Flat Fees	(3,441,170)	(3,308,560)	(132,610)
Septic Dumping Fees	(135,000)	(135,000)	-
Total Revenues	(7,730,030)	(7,251,790)	(478,240)
EXPENSES			
Salaries Wages and Benefits	1,589,600	1,643,180	(53,580)
Contracted and General Services	529,680	514,680	15,000
Financial Charges	-	200	(200)
Utilities	491,300	472,940	18,360
Fleet Expenses	404,650	405,870	(1,220)
Maintenance Materials and Supplies	806,090	769,440	36,650
Insurance	13,750	25,300	(11,550)
Total Expenses	3,835,070	3,831,610	3,460
Operating (Surplus) Deficit	(3,894,960)	(3,420,180)	(474,780)
CAPITAL AND INTERFUND TRANSACTIONS			
TOTAL (SURPLUS) DEFICIT	(3,894,960)	(3,420,180)	(474,780)

Expenditures: Watermain Replacements Marquis Road Reservoir Pump Upgrade Filtration Retrofit Completion SCADA System Upgrade Plant Service Water Line Installation of New Hydrant - Anderson Motors Drainage Channel Rehabilitation Sanitary/Storm Sewer Replacement Son,000 Sanitary/Storm Sewer Replacement Son,000 Sewe Headworks Pump Filtuent Flow Meter Son,000 Replacement of Unit 4807 - a 1997 2 Yard Loader Replacement of Unit 207 - Steamer Unit Replacement of Unit 351 - Vibratory Drum Seplacement of Unit 351 - Vibratory Drum Replacement of Unit 352 - Sewer Jet Rodder Replacement of Unit 89 - C&D Crew Bus Sewage Pumping Station Upgrades 3 Used Tandem Trucks 195,000 Rew Water Storage Reservoirs - Construction Year 1 Zone 2 Reservoir Upgrades Loan Principal Payments (not Capital) Water Treatment Plant Loan Principal Total Expenditures  Budgeted (Increase) Decrease to Reserve  Reserve Balance, beginning of year (estimated) - 1,031,524		2017	2016
Funding for Capital - via Transfer from Waterworks Improvement Fund (Uncommitted) Funding for Capital - via Transfer from (390,000) (300,000) Equipment Fleet Reserve External Funding (11,093,700) Debt Financing (20,420,400) (4,542,700)  Total Funding (20,420,400) (4,542,700)  Expenditures:  Watermain Replacements 1,000,000 1,000,000 Marquis Road Reservoir Pump Upgrade 500,000 Filtration Retrofit Completion 260,000 385,000 SCADA System Upgrade 50,000 Installation of New Hydrant - Anderson Motors 15,000 Drainage Channel Rehabilitation 335,000 Sanitary/Storm Sewer Replacement 300,000 300,000 New Headworks Pump 120,000 Replacement of Unit 4807 - a 1997 2 Yard Loader Replacement of Unit 207 - Steamer Unit Replacement of Unit 257 - Steamer Unit Replacement of Unit 257 - Steamer Unit Replacement of Unit 85 - Sewer Jet Rodder 500,000 Replacement of Unit 85 - Sewer Jet Rodder 500,000 Replacement of Unit 89 - C&D Crew Bus 2,093,700 3 Used Tandem Trucks 195,000 Sewage Pumping Station Upgrades 2,093,700 3 Used Tandem Trucks 195,000 Lead Service Replacement Program 8,000 New Water Storage Reservoirs - Construction Year 1 12,000,000 Zone 2 Reservoir Upgrades 2,450,000 Loan Principal Payments (not Capital) Water Treatment Plant Loan Principal 775,900 732,000 Total Expenditures 20,420,400 4,542,700  Reserve Balance, beginning of year (estimated) - 1,031,524 Capital Carryforward - Outstanding from Prior Years - (1,031,524)	CAPITAL COMMITTED RESERVE	Budget	Budget
Funding for Capital - via Transfer from Waterworks Improvement Fund (Uncommitted) Funding for Capital - via Transfer from (390,000) (300,000) Equipment Fleet Reserve External Funding (11,093,700) Debt Financing (20,420,400) (4,542,700)  Total Funding (20,420,400) (4,542,700)  Expenditures:  Watermain Replacements 1,000,000 1,000,000 Marquis Road Reservoir Pump Upgrade 500,000 Filtration Retrofit Completion 260,000 385,000 SCADA System Upgrade 50,000 Installation of New Hydrant - Anderson Motors 15,000 Drainage Channel Rehabilitation 335,000 Sanitary/Storm Sewer Replacement 300,000 300,000 New Headworks Pump 120,000 Replacement of Unit 4807 - a 1997 2 Yard Loader Replacement of Unit 207 - Steamer Unit Replacement of Unit 257 - Steamer Unit Replacement of Unit 257 - Steamer Unit Replacement of Unit 85 - Sewer Jet Rodder 500,000 Replacement of Unit 85 - Sewer Jet Rodder 500,000 Replacement of Unit 89 - C&D Crew Bus 2,093,700 3 Used Tandem Trucks 195,000 Sewage Pumping Station Upgrades 2,093,700 3 Used Tandem Trucks 195,000 Lead Service Replacement Program 8,000 New Water Storage Reservoirs - Construction Year 1 12,000,000 Zone 2 Reservoir Upgrades 2,450,000 Loan Principal Payments (not Capital) Water Treatment Plant Loan Principal 775,900 732,000 Total Expenditures 20,420,400 4,542,700  Reserve Balance, beginning of year (estimated) - 1,031,524 Capital Carryforward - Outstanding from Prior Years - (1,031,524)	Dudgeted Funding.		
Improvement Fund (Uncommitted)   Funding for Capital - via Transfer from Equipment Fleet Reserve   External Funding   (11,093,700)   (11,09		(¢2 496 700)	(\$4.242.700\
Funding for Capital - via Transfer from Equipment Fleet Reserve         (390,000)         (300,000)           External Funding         (11,093,700)         External Funding         (5,450,000)           Total Funding         (20,420,400)         (4,542,700)           Expenditures:         **** Watermain Replacements**         1,000,000         1,000,000           Marquis Road Reservoir Pump Upgrade         500,000         385,000           SCADA System Upgrade         250,000         Plant Service Water Line         50,000           Installation of New Hydrant - Anderson Motors         15,000         335,000           Drainage Channel Rehabilitation         330,000         300,000           Sanitary/Storm Sewer Replacement         300,000         300,000           New Headworks Pump         120,000         Effluent Flow Meter         50,000           Replacement of Unit 4807 - a 1997 2 Yard Loader         300,000         8eplacement of Unit 4807 - a 1997 2 Yard Loader         300,000           Replacement of Unit 85 - Sewer Jet Rodder         50,000         8eplacement of Unit 85 - Sewer Jet Rodder         50,000           Replacement of Unit 85 - Sewer Jet Rodder         50,000         8eplacement of Unit 85 - Sewer Jet Rodder         50,000           Replacement of Unit 85 - Sewer Jet Rodder         20,000         8evage Pumping Station Upgrades<		(\$3,460,700)	(\$4,242,700)
Equipment Fleet Reserve         External Funding         (11,093,700)           Debt Financing         (5,450,000)           Total Funding         (20,420,400)         (4,542,700)           Expenditures:         ***           Watermain Replacements         1,000,000         1,000,000           Marquis Road Reservoir Pump Upgrade         500,000           Filtration Retrofit Completion         260,000         385,000           SCADA System Upgrade         250,000           Plant Service Water Line         50,000           Installation of New Hydrant - Anderson Motors         15,000           Drainage Channel Rehabilitation         335,000           Sanitary/Storm Sewer Replacement         300,000           New Headworks Pump         120,000           Effluent Flow Meter         50,000           Replacement of Unit 4807 - a 1997 2 Yard Loader         300,000           Replacement of Unit 207 - Steamer Unit         65,000           Replacement of Unit 231 - Vibratory Drum         150,000           Replacement of Unit 85 - Sewer Jet Rodder         500,000           Replacement of Unit 87 - Sewer Jet Rodder         500,000           Replacement of Unit 89 - C&D Crew Bus         25,000           Sewage Pumping Station Upgrades         2,093,700		(390,000)	(300,000)
External Funding		(390,000)	(300,000)
Debt Financing		(11 002 700)	
Expenditures:   Watermain Replacements	_		
Expenditures: Watermain Replacements Marquis Road Reservoir Pump Upgrade Filtration Retrofit Completion SCADA System Upgrade Plant Service Water Line Installation of New Hydrant - Anderson Motors Drainage Channel Rehabilitation Sanitary/Storm Sewer Replacement New Headworks Pump Service Water Filtration Water Replacement of Unit 4807 - a 1997 2 Yard Loader Replacement of Unit 207 - Steamer Unit Replacement of Unit 351 - Vibratory Drum Replacement of Unit 351 - Vibratory Drum Replacement of Unit 89 - C&D Crew Bus Sewage Pumping Station Upgrades 2,093,700 3 Used Tandem Trucks Lead Service Replacement Program New Water Storage Reservoirs - Construction Year 1 Zone 2 Reservoir Upgrades  Loan Principal Payments (not Capital) Water Treatment Plant Loan Principal Total Expenditures  Reserve Balance, beginning of year (estimated) - 1,031,524 Capital Carryforward - Outstanding from Prior Years - 1,031,524 Capital Carryforward - Outstanding from Prior Years - 1,031,524 Capital Carryforward - Outstanding from Prior Years - 1,031,524 Capital Carryforward - Outstanding from Prior Years - 1,031,524	Debt i manering	(3,430,000)	
Watermain Replacements         1,000,000         1,000,000           Marquis Road Reservoir Pump Upgrade         500,000           Filtration Retrofit Completion         260,000         385,000           SCADA System Upgrade         50,000           Installation of New Hydrant - Anderson Motors         15,000           Drainage Channel Rehabilitation         335,000           Sanitary/Storm Sewer Replacement         300,000           New Headworks Pump         120,000           Effluent Flow Meter         50,000           Replacement of Unit 4807 - a 1997 2 Yard Loader         300,000           Replacement of Unit 4807 - steamer Unit         65,000           Replacement of Unit 351 - Vibratory Drum         150,000           Replacement of Unit 85 - Sewer Jet Rodder         500,000           Replacement of Unit 89 - C&D Crew Bus         25,000           Sewage Pumping Station Upgrades         2,093,700           3 Used Tandem Trucks         195,000           Lead Service Replacement Program         80,000           New Water Storage Reservoirs - Construction Year 1         12,000,000           Zone 2 Reservoir Upgrades         2,450,000           Loan Principal Payments (not Capital)         775,900         732,000           Water Treatment Plant Loan Principal <t< td=""><td>Total Funding</td><td>(20,420,400)</td><td>(4,542,700)</td></t<>	Total Funding	(20,420,400)	(4,542,700)
Watermain Replacements         1,000,000         1,000,000           Marquis Road Reservoir Pump Upgrade         500,000           Filtration Retrofit Completion         260,000         385,000           SCADA System Upgrade         50,000           Installation of New Hydrant - Anderson Motors         15,000           Drainage Channel Rehabilitation         335,000           Sanitary/Storm Sewer Replacement         300,000           New Headworks Pump         120,000           Effluent Flow Meter         50,000           Replacement of Unit 4807 - a 1997 2 Yard Loader         300,000           Replacement of Unit 4807 - steamer Unit         65,000           Replacement of Unit 351 - Vibratory Drum         150,000           Replacement of Unit 85 - Sewer Jet Rodder         500,000           Replacement of Unit 89 - C&D Crew Bus         25,000           Sewage Pumping Station Upgrades         2,093,700           3 Used Tandem Trucks         195,000           Lead Service Replacement Program         80,000           New Water Storage Reservoirs - Construction Year 1         12,000,000           Zone 2 Reservoir Upgrades         2,450,000           Loan Principal Payments (not Capital)         775,900         732,000           Water Treatment Plant Loan Principal <t< td=""><td>Expenditures:</td><td></td><td></td></t<>	Expenditures:		
Marquis Road Reservoir Pump Upgrade Filtration Retrofit Completion SCADA System Upgrade Plant Service Water Line South South Service Water Line South South Service Water Line South South Service Replacement South South Service Water Replacement South South Service Water Replacement South Service Replacement of Unit 4807 - a 1997 2 Yard Loader Replacement of Unit 4807 - a 1997 2 Yard Loader Replacement of Unit 207 - Steamer Unit South Service Replacement Of Unit 207 - Steamer Unit South Service Replacement of Unit 85 - Sewer Jet Rodder South Service Replacement of Unit 89 - C&D Crew Bus Sewage Pumping Station Upgrades Sewage Pumping Station Upgrades South Service Replacement Program South Service Replacement Plant Loan Principal South Service Reserve Serv	-	1,000,000	1,000,000
Filtration Retrofit Completion  SCADA System Upgrade Plant Service Water Line So,000 Installation of New Hydrant - Anderson Motors Drainage Channel Rehabilitation Sanitary/Storm Sewer Replacement New Headworks Pump So,000 Filtent Flow Meter Replacement of Unit 4807 - a 1997 2 Yard Loader Replacement of Unit 207 - Steamer Unit Replacement of Unit 351 - Vibratory Drum Sewage Pumping Station Upgrades Sewage Pumping Station Upgrades Sewage Pumping Station Upgrades Sewage Pumping Station Upgrades Sewage Replacement Program So,000 Rew Water Storage Reservoirs - Construction Year 1 So,000 Rew Water Storage Reservoirs - Construction Year 1 So,000 Reserve Water Treatment Plant Loan Principal Total Expenditures  Reserve Balance, beginning of year (estimated) Capital Carryforward - Outstanding from Prior Years  250,000 Sex Sex Sex So,000 Sex Sex So,000 Sex Sex So,000 Sex Sex So,000 Sex So,	•		
SCADA System Upgrade Plant Service Water Line Installation of New Hydrant - Anderson Motors Drainage Channel Rehabilitation Sanitary/Storm Sewer Replacement New Headworks Pump Effluent Flow Meter So,000 Replacement of Unit 4807 - a 1997 2 Yard Loader Replacement of Unit 207 - Steamer Unit Replacement of Unit 351 - Vibratory Drum Replacement of Unit 351 - Vibratory Drum Replacement of Unit 889 - C&B Crew Bus Sewage Pumping Station Upgrades 125,000 Sewage Pumping Station Upgrades 126 - Sewer Jet Rodder Sound Sused Tandem Trucks 195,000 Lead Service Replacement Program Rey Water Storage Reservoirs - Construction Year 1 2000,000 Rew Water Storage Reservoirs - Construction Year 1 2000,000 Cone 2 Reservoir Upgrades 2000 Cone 2 Reservoir Upg	• • • • • • • • • • • • • • • • • • • •	260,000	385,000
Installation of New Hydrant - Anderson Motors  Drainage Channel Rehabilitation  Sanitary/Storm Sewer Replacement  Son,000  Sanitary/Storm Sewer Replacement  Son,000  New Headworks Pump  Effluent Flow Meter  Replacement of Unit 4807 - a 1997 2 Yard Loader  Replacement of Unit 207 - Steamer Unit  Replacement of Unit 351 - Vibratory Drum  Replacement of Unit 85 - Sewer Jet Rodder  Replacement of Unit 89 - C&D Crew Bus  Sewage Pumping Station Upgrades  Jused Tandem Trucks  Lead Service Replacement Program  New Water Storage Reservoirs - Construction Year 1  Zone 2 Reservoir Upgrades  Loan Principal Payments (not Capital)  Water Treatment Plant Loan Principal  Total Expenditures  Reserve Balance, beginning of year (estimated)  - 1,031,524  Capital Carryforward - Outstanding from Prior Years  - 1,031,524	SCADA System Upgrade		250,000
Drainage Channel Rehabilitation Sanitary/Storm Sewer Replacement 300,000 New Headworks Pump 120,000 Effluent Flow Meter So,000 Replacement of Unit 4807 - a 1997 2 Yard Loader Replacement of Unit 207 - Steamer Unit Replacement of Unit 351 - Vibratory Drum Seplacement of Unit 85 - Sewer Jet Rodder Replacement of Unit 89 - C&D Crew Bus Sewage Pumping Station Upgrades 3 Used Tandem Trucks Lead Service Replacement Program New Water Storage Reservoirs - Construction Year 1 2,450,000  Loan Principal Payments (not Capital) Water Treatment Plant Loan Principal Total Expenditures  Reserve Balance, beginning of year (estimated) Capital Carryforward - Outstanding from Prior Years  120,000 300,000 300,000 300,000 300,000 300,000 450,000	Plant Service Water Line		50,000
Sanitary/Storm Sewer Replacement  New Headworks Pump  Effluent Flow Meter  Replacement of Unit 4807 - a 1997 2 Yard Loader  Replacement of Unit 207 - Steamer Unit  Replacement of Unit 351 - Vibratory Drum  Replacement of Unit 85 - Sewer Jet Rodder  Replacement of Unit 85 - Sewer Jet Rodder  Replacement of Unit 89 - C&D Crew Bus  Sewage Pumping Station Upgrades  3 Used Tandem Trucks  Lead Service Replacement Program  New Water Storage Reservoirs - Construction Year 1  Loan Principal Payments (not Capital)  Water Treatment Plant Loan Principal  Waste Water Treatment Plant Loan Principal  Total Expenditures  Publication  Budgeted (Increase) Decrease to Reserve  -  Reserve Balance, beginning of year (estimated)  -  1,031,524  Capital Carryforward - Outstanding from Prior Years  -  20,000  300,000  300,000  300,000  300,000  300,000  300,000  300,000  300,000  300,000  300,000  300,000  300,000  300,000  300,000  300,000  300,000  300,000  300,000  300,000  450,000  300,000  300,000  8eplacement of Unit 207 - Steamer Unit 65,000  800,000  8eplacement of Unit 207 - Steamer Unit 65,000  800,000  8eplacement of Unit 207 - Steamer Unit 65,000  800,000  8eplacement of Unit 207 - Steamer Unit 65,000  800,000  8eplacement of Unit 207 - Steamer Unit 65,000  800,000  8eplacement of Unit 207 - Steamer Unit 65,000  800,000  8eplacement of Unit 207 - Steamer Unit 65,000  800,000  8eplacement of Unit 207 - Steamer Unit 65,000  800,000  8eplacement Program 150,000  800,000	Installation of New Hydrant - Anderson Motors		15,000
New Headworks Pump  Effluent Flow Meter  So,000  Replacement of Unit 4807 - a 1997 2 Yard Loader  Replacement of Unit 207 - Steamer Unit  Replacement of Unit 351 - Vibratory Drum  Replacement of Unit 85 - Sewer Jet Rodder  Replacement of Unit 85 - Sewer Jet Rodder  Replacement of Unit 89 - C&D Crew Bus  Sewage Pumping Station Upgrades  Jused Tandem Trucks  Lead Service Replacement Program  New Water Storage Reservoirs - Construction Year 1  Loan Principal Payments (not Capital)  Water Treatment Plant Loan Principal  Waste Water Treatment Plant Loan Principal  Total Expenditures  Reserve Balance, beginning of year (estimated)  Capital Carryforward - Outstanding from Prior Years  120,000  300,000  150,000	Drainage Channel Rehabilitation		335,000
Effluent Flow Meter Replacement of Unit 4807 - a 1997 2 Yard Loader Replacement of Unit 207 - Steamer Unit Replacement of Unit 351 - Vibratory Drum Replacement of Unit 351 - Vibratory Drum Replacement of Unit 85 - Sewer Jet Rodder Replacement of Unit 89 - C&D Crew Bus Sewage Pumping Station Upgrades 3 Used Tandem Trucks 195,000 Lead Service Replacement Program Rew Water Storage Reservoirs - Construction Year 1 2,450,000  Loan Principal Payments (not Capital) Water Treatment Plant Loan Principal Total Expenditures  Page 10,420,400  Budgeted (Increase) Decrease to Reserve Reserve Balance, beginning of year (estimated) Capital Carryforward - Outstanding from Prior Years - (1,031,524)	Sanitary/Storm Sewer Replacement	300,000	300,000
Replacement of Unit 4807 - a 1997 2 Yard Loader Replacement of Unit 207 - Steamer Unit Replacement of Unit 351 - Vibratory Drum Replacement of Unit 351 - Vibratory Drum Replacement of Unit 85 - Sewer Jet Rodder Replacement of Unit 89 - C&D Crew Bus Sewage Pumping Station Upgrades 3 Used Tandem Trucks 195,000 Lead Service Replacement Program Replacement Program Reservoir Upgrades 2,450,000  Loan Principal Payments (not Capital) Water Treatment Plant Loan Principal Total Expenditures  Reserve Balance, beginning of year (estimated) Capital Carryforward - Outstanding from Prior Years  300,000 Replacement of Unit 89 - C&D Crew Bus Sesono 150,000 250,000 260,000 270,0	New Headworks Pump		120,000
Replacement of Unit 207 - Steamer Unit Replacement of Unit 351 - Vibratory Drum Replacement of Unit 351 - Vibratory Drum Replacement of Unit 85 - Sewer Jet Rodder Sou,000 Replacement of Unit 89 - C&D Crew Bus Sewage Pumping Station Upgrades 3 Used Tandem Trucks Lead Service Replacement Program Reylacement Plant Loan Principal Reylacement P	Effluent Flow Meter		50,000
Replacement of Unit 351 - Vibratory Drum Replacement of Unit 85 - Sewer Jet Rodder Sou,000 Replacement of Unit 89 - C&D Crew Bus Sewage Pumping Station Upgrades 3 Used Tandem Trucks Lead Service Replacement Program Reylacement Plant Loan Principal Reserve Water Treatment Plant Loan Principal Total Expenditures Reserve Balance, beginning of year (estimated) Capital Carryforward - Outstanding from Prior Years - (1,031,524)	Replacement of Unit 4807 - a 1997 2 Yard Loader		300,000
Replacement of Unit 85 - Sewer Jet Rodder Replacement of Unit 89 - C&D Crew Bus Sewage Pumping Station Upgrades 3 Used Tandem Trucks 195,000 Lead Service Replacement Program Reserve Balance, beginning of year (estimated) Replacement of Unit 89 - C&D Crew Bus 25,000 Sewage Pumping Station Upgrades 2,093,700 2,093,700 195,000 195,000 192,000 194,000 195,000 196,000 197,000 198,000 198,000 199,000	Replacement of Unit 207 - Steamer Unit	65,000	
Replacement of Unit 89 - C&D Crew Bus  Sewage Pumping Station Upgrades  3 Used Tandem Trucks  Lead Service Replacement Program  New Water Storage Reservoirs - Construction Year 1  Zone 2 Reservoir Upgrades  Loan Principal Payments (not Capital)  Water Treatment Plant Loan Principal  Waste Water Treatment Plant Loan Principal  Total Expenditures  Total Expenditures  Personal Serve  Reserve Balance, beginning of year (estimated)  Capital Carryforward - Outstanding from Prior Years  2,450,000  525,800  505,700  732,000  732,000  732,000  732,000  732,000  732,000  732,000  732,000  732,000  732,000  732,000  732,000  733,524	Replacement of Unit 351 - Vibratory Drum	150,000	
Sewage Pumping Station Upgrades 3 Used Tandem Trucks Lead Service Replacement Program Reserve Balance, beginning of year (estimated) 3 Used Tandem Trucks 195,000 195,000 195,000 195,000 196,000 197,000 198,000 199,	Replacement of Unit 85 - Sewer Jet Rodder	500,000	
3 Used Tandem Trucks Lead Service Replacement Program Reserve Balance, beginning of year (estimated)  Lead Service Replacement Program Reserve Replacement Program Reserve Replacement Program Reserve Balance, beginning of year (estimated) Reserve Replacement Program Reserve Reserve Reserve Reserve Replacement Program Reserve	Replacement of Unit 89 - C&D Crew Bus	25,000	
Lead Service Replacement Program80,000New Water Storage Reservoirs - Construction Year 112,000,000Zone 2 Reservoir Upgrades2,450,000Loan Principal Payments (not Capital)525,800505,700Waster Treatment Plant Loan Principal775,900732,000Total Expenditures20,420,4004,542,700Budgeted (Increase) Decrease to ReserveReserve Balance, beginning of year (estimated)-1,031,524Capital Carryforward - Outstanding from Prior Years-(1,031,524)	Sewage Pumping Station Upgrades	2,093,700	
New Water Storage Reservoirs - Construction Year 1  Zone 2 Reservoir Upgrades  Loan Principal Payments (not Capital)  Water Treatment Plant Loan Principal  Waste Water Treatment Plant Loan Principal  Total Expenditures  Decrease to Reserve  -  Reserve Balance, beginning of year (estimated)  Capital Carryforward - Outstanding from Prior Years  12,000,000  2,450,000  505,700  775,900  732,000  20,420,400  4,542,700  -  1,031,524	3 Used Tandem Trucks	195,000	
Zone 2 Reservoir Upgrades  Loan Principal Payments (not Capital)  Water Treatment Plant Loan Principal  Waste Water Treatment Plant Loan Principal  Total Expenditures  Total Expendit Expenditures  Total Expenditures  Total Expension Expension Exp		•	
Loan Principal Payments (not Capital)  Water Treatment Plant Loan Principal 525,800 505,700  Waste Water Treatment Plant Loan Principal 775,900 732,000  Total Expenditures 20,420,400 4,542,700  Budgeted (Increase) Decrease to Reserve  Reserve Balance, beginning of year (estimated) - 1,031,524  Capital Carryforward - Outstanding from Prior Years - (1,031,524)	_		
Water Treatment Plant Loan Principal 525,800 505,700 Waste Water Treatment Plant Loan Principal 775,900 732,000 Total Expenditures 20,420,400 4,542,700  Budgeted (Increase) Decrease to Reserve  Reserve Balance, beginning of year (estimated) - 1,031,524 Capital Carryforward - Outstanding from Prior Years - (1,031,524)	Zone 2 Reservoir Upgrades	2,450,000	
Waste Water Treatment Plant Loan Principal 775,900 732,000 Total Expenditures 20,420,400 4,542,700  Budgeted (Increase) Decrease to Reserve  Reserve Balance, beginning of year (estimated) - 1,031,524 Capital Carryforward - Outstanding from Prior Years - (1,031,524)	Loan Principal Payments (not Capital)		
Total Expenditures  20,420,400  4,542,700  Budgeted (Increase) Decrease to Reserve  -  Reserve Balance, beginning of year (estimated)  Capital Carryforward - Outstanding from Prior Years  -  (1,031,524)	Water Treatment Plant Loan Principal	525,800	505,700
Budgeted (Increase) Decrease to Reserve	Waste Water Treatment Plant Loan Principal	775,900	732,000
Reserve Balance, beginning of year (estimated) - 1,031,524 Capital Carryforward - Outstanding from Prior Years - (1,031,524)	Total Expenditures	20,420,400	4,542,700
Capital Carryforward - Outstanding from Prior Years - (1,031,524)	Budgeted (Increase) Decrease to Reserve	-	-
Capital Carryforward - Outstanding from Prior Years - (1,031,524)	Reserve Balance, beginning of year (estimated)	-	1,031,524
Reserve Balance, end of year (estimated)		<u> </u>	(1,031,524)
	Reserve Balance, end of year (estimated)	<del>_</del>	

### **WATER UTILITY FUND**

# **CAPITAL EXPENDITURES AND FUND PROJECTIONS (Continued)**

For the Year Ending December 31, 2017

WATERWORKS IMPROVEMENT FUND BALANCE (UNCOMMITTED EQUITY)	2017 Budget	2016 Budget
Budgeted Transactions Funding:		
Contribution from Operations	(\$5,264,250)	(\$4,367,330)
Expenses:		
Transfer to Capital Committed Reserve	3,486,700	4,242,700
Budgeted (Increase) Decrease to Fund	(1,777,550)	(124,630)
Fund (Surplus) Deficit Balance, beginning of year	7,470,014	7,594,644
Fund (Surplus) Deficit Balance, end of year	5,692,464	7,470,014