# THE CITY OF PRINCE ALBERT



WATER UTILITY FUND BUDGET FOR YEAR ENDING DECEMBER 31, 2020

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#### **Budget Overview**



The Water Utility Fund budget includes operating and capital. The Water Utility's operating budget is intended to be self-sustaining by generating an operating surplus sufficient for debt repayment and future capital expenditures in order to operate the water and waste water systems independent of the City's tax base. It generates revenue from collecting utility fees for providing safe potable drinking water and treating the effluent generated by the City.

The Fund's revenue sources are continually reviewed and monitored. Water and Sewer Utility Rates and Fees Bylaw 39 of 2018, is the most recent bylaw that set the utility rates and fees.

As part of the 2020 budget process, it is recommended that an amendment be made to the Water and Sewer Utility Rates and Fees Bylaw to reflect an increase to rates and fees. The rate increases proposed are a 2.56% increase in the average annual rates and fees paid by an average Prince Albert household for 2020. This would result in an approximate increase of \$2.75 per month for an average household. The recommended rate increases are required to ensure that sufficient funds exist to cover, annual operating and capital costs for 2020. The rate increases recommended for 2020 do not address the need to recover prior Water Utility Fund losses and the need to address the increase in projected capital spending.

A summary of the largest 2020 budget changes include the following:

#### 2020 Budgeted Revenue

Budgeted revenues have increased \$522,940, from \$18,201,190 in 2019, to \$18,724,130 in 2020. 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 2020, fees for water consumption are projected to decrease by \$32,700 to \$5,354,390. The increase in rates is offset by a decrease in projected consumption after a review of actual volumes in 2019 and expectations for 2020.
- 2. <u>Water Utility Fixed Fees</u> based on the rates recommended for 2020, the fixed fees for water meters are projected to increase by \$113,490 to \$4,745,440.
- 3. <u>Sewer Utility Consumption Fees</u> based on the rates recommended for 2020, fees for sewer collection and processing are projected to increase by \$239,340 to \$4,279,750.
- 4. <u>Sewer Utility Fixed Fees</u> based on the rates recommended for 2020, these fees, also known as the Sewer Infrastructure Charge are projected to increase by \$82,810 to \$3,854,250. These fees are also based on the size of the water meter utilized at someone's property.

Recognition of revenue generated from water and sewer usage by City facilities continues to be recorded through interfund transactions.

#### **2020** Budgeted Expenses

Budgeted expenses have increased \$225,910, from \$12,569,220 in 2019 to \$12,795,130 in 2020. Some of the major changes to operating expenditures are as follows:

- An increase of \$171,610 in salaries, wages and benefits related to a provision for annual increases budgeted at 2% for 2020 as well as adjustments based on a review of actual costs incurred and step increases.
- An increase of \$95,330 in utility costs related to updated forecasts and utility rate increases. The increase incorporates the impact of the Carbon Tax on electricity and natural gas.
- An increase of \$42,800 in fleet expenses related to the 6% increase in fleet charge out rates proposed by Administration for the 2020 Budget.
- An overall decrease of \$68,090 for maintenance, materials and supplies in 2020. There
  are various one-time expenditures budgeted for 2020 but these costs are offset by the
  removal of one-time funding for items budgeted in the 2019 budget.
- A decrease of \$36,020 in interest on long-term debt as each year the principle portion of the loan payment increases and the interest portion decreases.

#### **2020 Capital and Interfund Transactions**

Budgeted capital and interfund transactions have increased \$5,117,410, from \$771,820 in 2019 to \$5,889,230 in 2020. The major changes to capital and interfund transactions are as follows:

- O An increase of \$5,099,990 related to amortization. Amortization, or depreciation, is an accounting method of allocating the cost of a tangible or physical asset over its useful life or life expectancy. Depreciation represents how much of an asset's value has been used up. Prior to 2020 the City did not budget for amortization as it is a non-cash item (i.e. it does not represent a cash outlay in the current year but rather the annual cost of the fund's assets spread over their useful lives). The City's auditors have requested that the City budget for amortization.
- An increase of \$17,420 in transfers to other City Funds related to water services provided to these funds. The increase in cost is offset by an increase in the revenue recorded for providing this service.

#### 2020 Capital Budget

\$14,131,600 in capital spending is proposed for 2020. See **Appendix B** for a detailed description for each item:

- \$9,590,000 for the construction of a new raw water pump house. The project would begin construction in 2020 and be completed in 2020. The project is intended to be financed from Gas Tax funding and remaining debt from the December 2017 borrowing for new water storage reservoirs.
- \$1,500,000 for the water main replacement program.
- \$700,000 for sanitary and storm sewer replacement program.
- \$370,000 for preliminary design and plant modeling for the required Waste Water Treatment Plant upgrade.
- o \$360,000 for the replacement of a 2008 loader.
- \$145,000 for the lead service replacement program.
- \$80,000 for the fire hydrant replacement program.
- o \$1,386,600 for loan principal payments.

Please see below for a summary of 2020 capital spending and the funding sources:

	Water	Sewer	Fleet	Total
Waterworks Improvement Fund	\$ 3,111,600	\$ 1,060,000	\$ -	\$ 4,171,600
Equipment Fleet Reserve	-	-	370,000	370,000
Debt Financing	1,200,000	-	-	1,200,000
External Financing - Gas Tax	8,390,000	-	-	8,390,000
	\$ 12,701,600	\$ 1,060,000	\$ 370,000	\$ 14,131,600

#### **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 2020 budget impacts on the Waterworks Improvement Fund Balance is as follows:

- The budgeted Water Utility Fund surplus from operations, after adjusting for non-cash amortization, to be transferred to the Waterworks Improvement Fund Balance for 2020 is \$5,139,770.
- A transfer of \$4,181,600 to the Capital Committed Reserve for 2020 Capital Expenditures.
- This results in an estimated increase to the Waterworks Improvement Fund Balance of \$958,170 bringing the estimated 2020 year end <u>deficit</u> to \$4,787,708.

	2020	2019	Unfavourable
	Budget	Budget	Change
REVENUES			
User Charges and Fees	(\$18,293,830)		(\$462,940)
Interest and Penalties	(330,300)	(300,300)	(30,000)
Sundry	(100,000)	(70,000)	(30,000)
Total Revenues	(18,724,130)	(18,201,190)	(522,940)
EXPENSES			
Salaries Wages and Benefits	6,193,400	6,021,790	171,610
Contracted and General Services	779,180	763,180	16,000
Utilities	1,128,950	1,033,620	95,330
Interest on Long Term Debt	690,700	726,720	(36,020)
Fleet Expenses	867,870	825,070	42,800
Maintenance Materials and Supplies	3,017,820	3,085,910	(68,090)
Insurance	37,210	32,930	4,280
Bad Debt Expense	80,000	80,000	-
Total Expenses	12,795,130	12,569,220	225,910
Operating (Surplus) Deficit	(5,929,000)	(5,631,970)	(297,030)
CAPITAL AND INTERFUND TRANSACTIONS			
Amortization	5,100,000	10	5,099,990
Transfer to General Fund	785,100	769,060	16,040
Transfer to Airport Fund	5,130	3,810	1,320
Transfer to Sanitation Fund	2,700	2,500	200
Transfer from Sanitation Fund	(3,700)	(3,560)	(140)
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Capital and Interfund Transactions	5,889,230	771,820	5,117,410
TOTAL (SURPLUS) DEFICIT	(39,770)	(4,860,150)	4,820,380
Allocated as Follows:			
Total (Surplus) Deficit	(39,770)	(4,860,150)	4,820,380
Non-Cash Adjustment - Amortization	(5,100,000)	(4,000,130)	(5,100,000)
Total (Surplus) Deficit - Adjusted for Amortization	(5,139,770)	(4,860,150)	(279,620)
Total (Salpius) beliefe Aujusteu foi Alloftization	(3,133,170)	(4,000,130)	(273,020)
Transfer to Waterworks Improvement Fund Balance	958,170	687,550	270,620
Transfer to Capital Committed Reserve	4,181,600	4,172,600	9,000
	-	-	-

#### FUNCTIONAL AREA: ADMINISTRATION, BILLING AND METER MAINTENANCE

, and the second	2020	2019	(Favourable) Unfavourable
	Budget	Budget	Change
REVENUES			
Interest and Penalties	(\$330,300)	(\$300,300)	(\$30,000)
Sundry	(100,000)	(70,000)	(30,000)
Total Revenues	(430,300)	(370,300)	(60,000)
EXPENSES	2 254 422	2 4 42 650	240 540
Salaries Wages and Benefits	2,361,190	2,142,650	218,540
Contracted and General Services	2,500	17,500	(15,000)
Interest on Long Term Debt	690,700	726,720	(36,020)
Fleet Expenses	23,980	22,620	1,360
Maintenance Materials and Supplies	587,270	527,200	60,070
Bad Debt Expense	80,000	80,000	
Total Expenses	3,745,640	3,516,690	228,950
Operating (Surplus) Deficit	3,315,340	3,146,390	168,950
CAPITAL AND INTERFUND TRANSACTIONS			
Amortization	5,100,000	10	5,099,990
Transfer to General Fund	785,100	769,060	16,040
Transfer to Airport Fund	5,130	3,810	1,320
Transfer to Sanitation Fund	2,700	2,500	200
Transfer from Sanitation Fund	(3,700)	(3,560)	(140)
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Capital and Interfund Transactions	5,889,230	771,820	5,117,410
TOTAL (SURPLUS) DEFICIT	9,204,570	3,918,210	5,286,360
TO TAL (SOM LOS) DEFICIT	3,204,370	3,310,210	3,200,300

#### (\$60,000) Increase in Budgeted Revenues

- (\$30,000) increase in interest and penalties based on a review of historical revenues and expectations for 2020. This relates to interest and penalties earned on overdue accounts.
- (\$30,000) increase in sundry revenues based on a review of historical revenues and expectations for 2020. This relates to fees for service connections, temporary shut-offs, door tag fees, NSF charges, etc.

#### \$228,950 Increase in Budgeted Expenses

#### \$218,540 Increase in Salaries Wages and Benefits:

- \$94,200 increase in salaries wages and benefits related to the provision for CUPE 160,
   CUPE 882, and out-of-scope staff as the current collective bargaining agreements expire at the end of 2019. A two percent increase has been budgeted for 2020.
- \$91,560 increase for the Water Treatment Plant (WTP) and Waste Water Treatment Plant (WTP) Assistant Environmental Manager position approved by Council on June 10, 2019. The cost of this position is offset by savings in the Water Treatment and Maintenance Functional Area related to a vacated modified duties operator position.
- \$27,700 increase in the budget for the drafting department. The drafting department has two permanent employees, one of which is currently on parental leave returning in August 2020. The additional budget would provide for the term position to be extended to December 31, 2020. This would aid in drafting design, construction and final drawings, updating the historical backlog and monitoring outside agencies (Crown) utility cut applications.
- o \$25,080 increase related to base adjustments and a review of actual costs charged.
- (\$20,000) decrease in wages related to meter reading based on expected savings from the installation of the new water meters.

(\$15,000) decrease in contracted and general services related to the removal of one-time costs budgeted in the prior year.

#### (\$36,020) Decrease in Interest on Long-Term Debt:

- (\$22,700) decrease in interest expense related to the loan for the WTP upgrades. Each
  year the principle portion of the loan payment increases and the interest portion
  decreases.
- (\$6,050) decrease in interest expense related to the loan for water reservoir and pump house upgrades. Each year the principle portion of the loan payment increases and the interest portion decreases.
- (\$5,860) decrease in interest expense related to the loan for the new water reservoir.
   Each year the principle portion of the loan payment increases and the interest portion decreases.
- (\$1,410) decrease in interest expense for the internal loan from the General Fund for the Water Meter Replacement project. Each year the principle portion of the loan payment increases and the interest portion decreases.

**\$1,360** increase in fleet expenses related to the 6% increase in fleet charge out rates proposed by Administration for the 2020 Budget. In addition, the overall fleet budget was redistributed within the Functional Areas based on a review of where actual charges were being incurred. This may result in a higher increase (or decrease) to some Functional Areas compared to others.

#### \$60,070 Increase in Maintenance Materials and Supplies:

- \$71,260 increase for the monthly service fee associated with the new water meters to be installed. This monthly service fee is related to the customer application that will be available to citizens and provides the following benefits: unlimited 24 hour access to customer support, after hours 30 minute response time, web based training sessions, the ability to track water usage daily, and the ability to set alerts to identify irregularities and possible leaks.
- \$25,000 increase to the postage budget based on the assumption that monthly billing will begin in June 2020.
- \$6,840 increase in the allocation from General Fund as a result of the increase in budget for the Functional Areas whose costs are partially allocated to the Water Utility Fund.
- (\$40,000) decrease in the budget for water meter replacements as a result of the water meter replacement capital project.
- (\$3,030) decease as a result of overall reduced fiscal need for 2020 related to other smaller changes.

#### \$5,117,410 Increase in Capital and Interfund Transactions:

- \$5,099,990 increase related to amortization. Amortization, or depreciation, is an accounting method of allocating the cost of a tangible or physical asset over its useful life or life expectancy. Depreciation represents how much of an asset's value has been used up. Prior to 2020 the City did not budget for amortization as it is a non-cash item (i.e. it does not represent a cash outlay in the current year but rather the annual cost of the fund's assets spread over their useful lives). The City's auditors have requested that the City budget for amortization.
- \$17,420 net increase in transfers to other City Funds related to water services provided to these funds. The increase in cost is offset by an increase in the revenue recorded for providing this service.

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

			(Favourable)
	2020	2019	Unfavourable
	Budget	Budget	Change
REVENUES			
Water Utility Consumption Fees	(\$5,354,390)	(\$5,387,090)	32,700
Water Utility Fixed Fees	(4,745,440)	(4,631,950)	(113,490)
Total Revenues	(10,099,830)	(10,019,040)	(80,790)
EXPENSES			
Salaries Wages and Benefits	2,296,300	2,339,410	(43,110)
Contracted and General Services	13,000	22,000	(9,000)
Utilities	562,410	511,920	50,490
Fleet Expenses	427,660	392,810	34,850
Maintenance Materials and Supplies	1,557,020	1,524,270	32,750
Insurance	23,500	19,410	4,090
Total Expenses	4,879,890	4,809,820	70,070
Operating (Surplus) Deficit	(5,219,940)	(5,209,220)	(10,720)
CAPITAL AND INTERFUND TRANSACTIONS			
TOTAL (SURPLUS) DEFICIT	(5,219,940)	(5,209,220)	(10,720)

#### (\$80,790) Increase in Budgeted Revenues

#### \$32,700 Decrease in Water Utility Consumption Fees:

- \$88,550 decrease related to lower consumption volumes and Administration's recommendation to increase the water consumption rate for consumers within the City's corporate limits from \$3.65 per 100 cubic feet to \$3.73 per 100 cubic feet. This represents an increase of 2.2%. The increase in revenue from the rate increase is offset by a decrease in projected consumption from 123,000,000 cubic feet in 2019 to 118,000,000 cubic feet for 2020. Volumes have been adjusted after a review of actual volumes in 2019 and expectations for 2020.
- (\$7,870) increase related to Administration's recommendation to increase the water consumption rate for consumers outside the City's corporate limits from \$5.84 per 100 cubic feet to \$5.97 per 100 cubic feet. This is calculated as the water consumption rate for consumers within the City's corporate limits multiplied by 160%. This represents an increase of 2.2%. This includes revenue from the Saskatchewan Penitentiary, Trailer Courts, and hotels outside City limits.
- (\$38,600) increase related to Administration's recommendation to increase the water consumption rate for Prince Albert Rural Water consumers from \$3.77 per 100 cubic feet

- to \$3.98 per 100 cubic feet. This represents an increase of 5.6%. Consumption levels were also increased to reflect the current level of water being consumed.
- (\$9,380) increase in revenue from the sale of water to City facilities based on a review of actual results. The increase in revenue is offset by an increase in interfund transfers to the other City Funds.

#### (\$113,490) Increase in Water Utility Fixed Fees:

- (\$66,150) increase related to Administration's recommended adjustments to the water meter fixed rates for all meter sizes. This includes moving from \$26.00 per month in 2019 to \$26.50 per month for 2020 for a 5/8 and 3/4 inch meter. These rates would apply to consumers within the City of Prince Albert Corporate limits as well as to the equivalent fixed Monthly Water Service Charge per equivalent user for the Provincial Correctional Facilities and Federal Institutions. This represents an increase of 1.9%.
- (\$47,230) increase related to Administration's recommendation to increase the equivalent fixed Monthly Water Service Charge per equivalent user from \$32.90 per month in 2019 to \$36.18 per month in 2020 for Prince Albert Rural Water and the Trailer Courts. This represents an increase of 10.0%.
- (\$110) increase related to updated projections for the Water Utility Fixed Fees charged to City Facilities.

#### \$70,070 Increase in Budgeted Expenses

#### (\$43,110) Decrease in Salaries Wages and Benefits:

- (\$89,400) decrease related to the vacated modified duties operator position. The savings from this position offset the cost of the new WTP and WWTP Assistant Environmental Manager position approved by Council on June 10, 2019.
- \$29,520 increase related to base adjustments, step increases and a review of actual costs incurred.
- \$16,770 increase related to costs required for curb repair related to the water meter replacement program.

(\$9,000) decrease in contracted and general services based on a review of historical costs and expectations for 2020.

**\$50,490** increase in utilities due to updated forecasts and utility rate increases. The increase incorporates the impact of the Carbon Tax on electricity and natural gas.

**\$34,850** increase in fleet expenses related to the 6% increase in fleet charge out rates proposed by Administration for the 2020 Budget. In addition, the overall fleet budget was redistributed within the Functional Areas based on a review of where actual charges were being incurred. This may result in a higher increase (or decrease) to some Functional Areas compared to others.

#### \$32,750 Increase in Maintenance Materials and Supplies:

#### One-Time Expenditures - \$127,000 Increase

- \$30,000 increase for a scientific evaluation to determine if potable water quality can be improved. Health Canada is lowering the maximum allowable concentration of lead from 0.010 mg/l to 0.005 mg/l in the next 2 years. This change will impact the City's compliance to the corrosion control monitoring program. The City has approximately 700 lead service connections throughout the water distribution system. There are also many kilometers of older cast iron water mains in service. In order to be proactive, this evaluation would address the corrosion and other effects the potable water has on these materials. By conducting this evaluation, scientific information will be available for Administration to properly make a decision as to how best to implement improvements to the potable water quality within the water distribution system.
- \$25,000 increase is required to properly decommission and isolate the old water distribution lines exiting the basement of the WTP as well as the removal of old pumping equipment and piping.
- \$20,000 increase to update the laboratory at the WTP. The bottom cabinets are rusting, the seals on the doors are failing, taps are rusting and leaking, and there is not enough storage cabinet space to keep the lab organized. Operational staff spend hours per day in the lab conducting analytical testing on the raw and treated water. New counters, cabinets, sink, and lighting will make the area more up to date and efficient to work in. The cabinets, counter tops, and sink must be made of a specific product that will not react with the different reagents and chemicals used in the laboratory.
- \$35,000 is required for building security and infrastructure protection at various locations that will be listed below. These facilities are only secured by keyed locks. These locks do not have a high level of security and any key can be duplicated should someone want to copy a key. Secondly, if keys are lost or the City is unable to recover a key from a disgruntled employee, there is no way of restricting their access to facilities other than rekeying the entire lock system at a substantial cost. In order to effectively protect the infrastructure for the City and maintain a secure and safe potable water supply, the building lock and gate systems must be upgraded for better access control. An access card system combined with restricted keyed padlocks will be incorporated into the building security systems. This is being recommended for the following facilities at the associated cost:
  - o \$25,000 for the WTP.
  - o \$5,000 for the 2<sup>nd</sup> Avenue Reservoir and Pump House.
  - o \$5,000 for the Marguis Road Reservoir and Pump House.
- \$13,000 increase is required as the suspended ceiling in the main operations area of the WTP is old and starting to fail. There are numerous electrical conduits and wires running above the tiles that need to be properly relocated to take the weight off of the ceiling system. A new grid system, tiles, and led lighting will be installed to bring the area up to date. All Electrical work will be conducted by City staff.

\$4,000 increase in the budget for replacement of supervisory control and data acquisition (SCADA) equipment at the WTP. The existing SCADA equipment is in excess of two years old and needs replacing. To ensure that the SCADA equipment remains reliable, new equipment will be purchased and installed for main operations and the old equipment will be stored as redundancy back-ups.

#### Other Budget Changes - \$94,250 Decrease

- (\$145,640) decrease related to the removal of one-time funding for items budgeted in 2019.
- (\$25,900) decrease in the budget for watermain repairs based on a review of actual results and expectations for 2020. Watermain breaks are reducing due to the effectiveness of the watermain replacement program.
- (\$5,000) decrease in operating supplies required for valve maintenance related to unidirectional flushing as most valves have been fixed or replaced if they were found to be malfunctioning when the last flush was completed.
- \$60,000 increase in chemical costs based on tenders received for 2020 as well as required volumes forecast for 2020. The increase is related to an increase in prices over prior years.
- \$10,000 increase to the maintenance budget for the WTP. As the facility continues to age maintenance costs continue to rise and the increase better reflects the actual costs associated with maintaining the equipment and providing the current level of service.
- \$5,000 increase in the budget required for conducting analytical testing at a certified lab in order to be compliant with the Permit to Operate a Waterworks.
- \$5,000 increase in operating supplies to repair curb stops and valves related to the water meter replacement project.
- \$2,650 increase in telephone costs based on a reallocation of telephone costs throughout City departments.
- o (\$360) decrease as a result of overall reduced fiscal need for 2020 related to a review of actual costs incurred and expectations for 2020.

**\$4,090** increase in Insurance costs related to increase coverage for new construction, a review of actual costs incurred, and expectations for 2020.

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

			(Favourable)
	2020	2019	Unfavourable
	Budget	Budget	Change
REVENUES			
Sewer Utility Consumption Fees	(\$4,279,750)	(\$4,040,410)	(\$239,340)
Sewer Utility Fixed Fees	(3,854,250)	(3,771,440)	(82,810)
Septic Dumping Fees	(60,000)	-	(60,000)
			_
Total Revenues	(8,194,000)	(7,811,850)	(382,150)
			_
EXPENSES			
Salaries Wages and Benefits	1,535,910	1,539,730	(3,820)
Contracted and General Services	763,680	738,680	25,000
Utilities	566,540	521,700	44,840
Fleet Expenses	416,230	409,640	6,590
Maintenance Materials and Supplies	873,530	1,019,440	(145,910)
Insurance	13,710	13,520	190
Total Expenses	4,169,600	4,242,710	(73,110)
Operating (Surplus) Deficit	(4,024,400)	(3,569,140)	(455,260)
CAPITAL AND INTERFUND TRANSACTIONS			
TOTAL (SURPLUS) DEFICIT	(4,024,400)	(3,569,140)	(455,260)

#### (\$382,150) Increase in Budgeted Revenues

#### (\$239,340) Increase in Sewer Utility Consumption Fees:

- Administration's recommendation is to increase the sewer consumption charge for users within the City's corporate limits from \$3.25 per 100 cubic feet to \$3.35 per 100 cubic feet. This represents an increase of 3.1%.
- Administration is recommending that the sewer consumption charge users outside the City's corporate limits be increased from \$5.20 per 100 cubic feet to \$5.36 per 100 cubic feet. This is calculated by multiplying the sewer consumption charge for consumers within the City's corporate limits by 160%. This represents an increase of 3.1%. For 2020, this rate will also apply to the Saskatchewan Penitentiary and trailer courts that make use of the City's sewer system.

#### (\$82,810) Increase in Sewer Utility Fixed Fees:

Administration is recommended adjustments to the sewer meter fixed rate for all meter sizes. This includes moving from \$24.00 per month in 2019 to \$24.75 per month in 2020 for a 5/8 and 3/4 inch meter. This rate would apply to consumers within the City of Prince Albert Corporate limits as well as to the equivalent fixed Sewer Monthly Service Charge per equivalent user for the Provincial Correctional Facilities, Federal Institutions, and Trailer Courts. This represents an increase of 3.1%.

(\$60,000) increase to septic dumping fees based on a review of actual revenues being received and expectation for 2020. The budget was removed in the prior year to be conservative as Administration was reviewing options for septic dumping.

#### (\$73,110) Decrease in Budgeted Expenses

(\$3,820) decrease to salaries wages and benefits related to base adjustments, step increases and a review of actual costs incurred.

#### \$25,000 Increase in Contracted and General Services:

- \$70,000 increase required to upgrade Lift Station #6's capabilities. The pumps need to be upgraded in order to handle rain events and the additional load now being received from Lift Station #13 at the Landfill.
- \$50,000 increase for sewer photography. The City has over 17 kilometers of sanitary sewer trunk main which ranges in size from 18 inches to 54 inches with ages that range from the early 1900's to present. The majority of the trunk system is over 45 years old and has never had its condition inspected. When failures of the trunk main occur, the cost to complete one repair exceeds \$15,000. By completing sewer photography, the City is able to identify areas where failure is likely occur and the City can then prioritize the maintenance / repair of these areas in order to reduce trunk main failures.
- (\$95,000) decrease related to the removal of one-time costs budgeted in the prior year.

**\$44,840** increase in utilities due to updated forecasts and utility rate increases. The increase incorporates the impact of the Carbon Tax on electricity and natural gas.

**\$6,590** increase in fleet expenses related to the 6% increase in fleet charge out rates proposed by Administration for the 2020 Budget. In addition, the overall fleet budget was redistributed within the Functional Areas based on a review of where actual charges were being incurred. This may result in a higher increase (or decrease) to some Functional Areas compared to others.

#### (\$145,910) Decrease in Maintenance Materials and Supplies:

#### One-Time Expenditures - \$256,500 Increase

- \$55,000 increase for valve outfall and inlet grinders for the WWTP. These valves will reduce spills from the collection system into the river. This is important because spills can result in non-compliance with environmental regulations and may result in fines. Currently, this equipment is not in place and spills occasionally occur during high flow events.
- \$45,000 increase for the replacement of doors and locks that are corroded and require replacing. The WWTP requires stainless doors due to corrosion issues and cost approximately \$5,000 per door. The majority of this budget is required for door and frame replacement in WWTP facilities. In addition, some of the budget is required to replace locks that have corroded. The replacement of the doors is required for security reasons and if they are not replaced it may allow gasses to migrate into clean areas that can increase corrosion and impact health and safety (Operational Health & Safety Issue).
- \$45,000 increase for raw water pump variable frequency drive (VFD) replacement. These drives control the raw water pumps and are approximately 20 years old and replacement parts are no longer manufactured. If these drives fail, there are no parts available to repair them and could result in raw sewage spilling in to the river during high flow conditions until the VFD's can be replaced. There are currently four raw water pumps with associated VFDs, all four of these pumps are required during high flow conditions.
- \$45,000 increase for the replacement of ultraviolet bulbs and sleeves for the effluent treatment system. The sleeves are ten years old and are in need of replacement. The bulbs need to be replaced every year two years and half of the bulbs are replaced each year on an alternating schedule. This system is a requirement of the WWTP's permit to operate.
- \$30,000 increase for the replacement of the air diffusing membranes in the bioreactors at the WWTP. These membranes diffuse the air and have a five year life expectancy and are overdue for replacement. If not replaced the WWTP will not be able to treat the sewage as required by the Water Security Agency and Environment Canada.
- \$18,000 increase for the replacement of the air handler at the UV Building at the WWTP. The air handler exchanges the air in the building to supply safe air for employees and equipment (Operational Health & Safety Issue). The current unit has recently catastrophically failed but it is going to take until 2020 to receive a replacement and therefore is being included in the 2020 budget.
- \$10,000 increase for belt filter press (BFP) drive gear replacement. These gears have a life expectancy of five years and are due for replacement. If not replaced the WWTP does not have the ability to remove the sludge from the waste water causing it to accumulate in the system and put the WWTP into non-compliance with it permit.
- \$8,500 increase for the replacement of a specialized pressure washer that is about to fail and is required to clean vehicles and maintain equipment as required by the Water Security Agency and Environment Canada.

# WATER UTILITY FUND OPERATING BUDGET SEGMENTED BY FUNCTIONAL AREA

For the Year Ending December 31, 2020

#### Other Budget Changes – (\$402,410) Decrease

- (\$380,000) decrease related to the removal of one-time funding for items budgeted in 2019.
- (\$10,000) decrease in the budget for composting supplies based on a review of historical costs and expectations for 2020.
- (\$8,000) decrease in the budget for catch basin rebuilding operating supplies as many catch basins are being repaired as part of the capital paving program.
- (\$6,370) decrease in telephone costs based on VoIP savings and a reallocation of telephone costs throughout City departments.
- \$1,960 increase as a result of overall increased fiscal need for 2020 related to other smaller changes.

# WATER UTILITY FUND CAPITAL EXPENDITURES AND FUND PROJECTIONS

For the Year Ending December 31, 2020

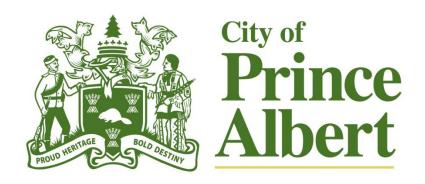
CAPITAL COMMITTED RESERVE  Budgeted Funding:	2020 Budget	2019 Budget
Funding for Capital Transfer from Waterworks Improvement Fund (Uncommitted) Transfer from Equipment Fleet Reserve External Funding Internal Financing - General Fund Debt Financing Total Funding for Capital	(4,181,600) (360,000) (8,390,000) - (1,200,000) (14,131,600)	(\$4,172,600) (10,000) - (3,041,500) - (7,224,100)
Expenditures:  New Raw Water Pump House - Construction  Water Main Replacement  Sanitary and Storm Sewer Replacement	9,590,000 1,500,000 700,000	- 1,500,000 500,000
Waste Water Plant Upgrade - Preliminary Design and Plant Modeling Replacement of Unit 17 - 2008 Yard Loader Lead Service Replacement Program Fire Hydrant Replacement Program Water Meter Replacement New Raw Water Pump House Design and Project Services Water Treatment Plant Roof Replacement Replacement of Unit 86 - C&D Crew Bus	370,000 360,000 145,000 80,000 - - - -	140,000 80,000 3,041,500 500,000 109,500 10,000
Loan Principal Payments (not Capital) Water Treatment Plant Upgrade Loan Principal Water Meter Replacement Loan Principal New Water Reservoirs Loan Principal Zone 2 Water Reservoir Upgrades Loan Principal Total Expenditures	591,100 422,500 193,000 180,000 14,131,600	568,500 414,600 186,000 174,000 7,224,100
Budgeted (Increase) Decrease to Reserve  Reserve Balance, Beginning of Year (Estimated)  Capital Carryforward - Outstanding From Prior Years  Reserve Balance, End of Year (Estimated)	- - -	- 385,879 (385,879) -

#### **WATER UTILITY FUND**

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

For the Year Ending December 31, 2020

WATERWORKS IMPROVEMENT FUND BALANCE (UNCOMMITTED EQUITY)	2020 Budget	2019 Budget
Budgeted Transactions Funding:		
Contribution from Operations	(\$5,139,770)	(\$4,860,150)
Expenses:		
Transfer to Capital Committed Reserve	4,181,600	4,172,600
Budgeted (Increase) Decrease to Fund	(958,170)	(687,550)
Fund (Surplus) Deficit Balance, Beginning of Year (Estimated)	5,745,878	6,433,428
Fund (Surplus) Deficit Balance, End of Year (Estimated)	4,787,708	5,745,878



# APPENDIX B 2020 WATER UTILITY FUND CAPITAL BUDGET

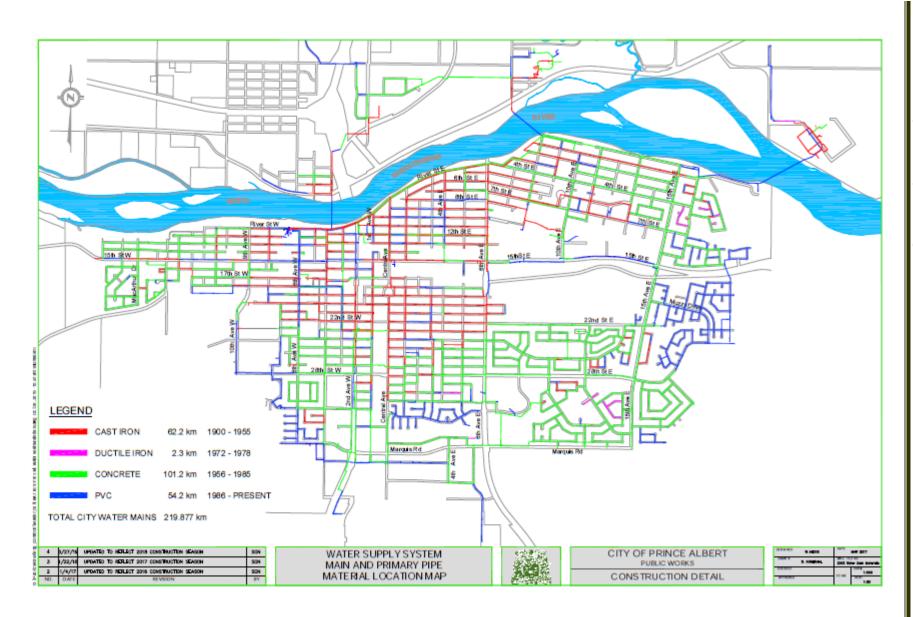
## **CAPITAL: WATER TREATMENT AND MAINTENANCE**

Please note that for capital projects to be funded from the Waterworks Improvement Fund Balance, the Waterworks Improvement Fund Balance will have a projected deficit of \$4,787,708 at the end of 2020 after the inclusion of the 2020 capital projects.

UC-01: N	ew Raw Water Pump House - Construction	Capital	Reserve	Externally Funded
Detail:	Constructing the new Raw Water Pump House to meet the needs of the City for the next 50 years and beyond. This is the first critical step in the treatment process, which pumps water to the adjacent WTP. The construction project is estimated to begin in the spring of 2020 and be completed in 2021 with the costs estimated at \$4.8 million in 2020 and \$4.8 million in 2021.			
	The existing Raw Water Pump House was constructed in 1923 and is 96 year old. In October 2018 an engineering assessment was completed on the facility which recommended that a new pump house be constructed rather than trying to reconstruct the existing pump house. This assessment provided the City with a high level estimate of costs.  The 2019 detailed design for a new pump house is underway and as the engineers were reviewing the federal and provincial regulations that must be adhered to, as well as ensuring the design meets the pumping needs of the City for the next 50 years, it became clear that preliminary estimates on cost were low and			\$9,590,000
Purpose:	upgrading the facility is not an option.  There are a number of complex and costly issues that have to be dealt with such as:  • Department of Fisheries and Oceans regulations on the protection and return of fish to the river,  • Excavation of the foundation 14.5 meters (48ft) deep or 5 stories underground,  • Redundant pumping capacity for down time, and  • Back-up power generation for electrical outages.			
Funding Source:	The design is nearly completed and the estimated cost of construction is \$9.6 million. The City intends to fund the project from Gas Tax funding and approximately \$1.2 million of remaining debt financing received in December 2017 for new water storage reservoirs. A total of \$7 million was borrowed but approximately only \$5.8 is projected to be required.  Existing Debt Financing and Gas Tax Funding			

UC-02: W	Vatermain Replacement Program	Capital	Reserve	Externally Funded
Detail:	This program replaces problematic old 1900 to 1955 cast iron water mains that have the most breaks, and any other mains that have persistent leaks.			
Purpose:	The 1900 to 1955 cast iron water mains are 22 years past their life expectancy, constantly failing with 25 breaks per year and must be replaced. Presently we are averaging 975m (6.5 blocks) of replacement per year. This needs to increase to 9 blocks per year as there is a 62,200m (415 blocks) and \$68.4 million dollar back log of cast iron water main to replace. Replacing old breaking and leaking water mains on an annual basis, reduces water main breaks thereby reducing future operation and maintenance costs and improves service delivery to the residents. The 2020 locations will be determined from previous water main break records.		\$1,500,000	
Funding Source:	Waterworks Improvement Fund Balance			

**NOTE:** Please refer to the Water Supply System Main and Primary Pipe Material Location Map on the following page which outlines additional details on the condition of the system.



UC-03: Lo	ead Service Replacement Program	Capital	Reserve	Externally Funded
Detail:	Replacement of 10 lead water service connections.			
Purpose:	The annual WTP report identifies the lead services with the highest test results. The results are evaluated in combination with known lead service locations and the lead service replacement locations are selected each year.		\$145,000	
Funding Source:	Waterworks Improvement Fund Balance			

UC-04: F	ire Hydrant Replacement Program	Capital	Reserve	Externally Funded
Detail:	Replacement of the old fire hydrant brands that are failing, no longer manufactured, and replacement parts are not available.			
Purpose:	The City of Prince Albert has 1,035 Fire Hydrants. Of those, 21 are John East Brand. This manufacturer has been out of business since 1975 and parts are no longer available. When these hydrants fail, usually in winter, there are huge repair costs, disruption in service issues, and fire protection issues. It is much more cost effective to schedule summer replacement of these hydrants with new Mueller Canada Valve hydrants.		\$80,000	
Funding Source:	Waterworks Improvement Fund Balance			

#### **CAPITAL: WASTE WATER TREATMENT AND MAINTENANCE**

Please note that for capital projects to be funded from the Waterworks Improvement Fund Balance, the Waterworks Improvement Fund Balance will have a projected deficit of \$4,787,708 at the end of 2020 after the inclusion of the 2020 capital projects.

UC-05: Sa	anitary and Storm Sewer Replacement Program	Capital	Reserve	Externally Funded
Detail:	Sanitary and storm sewer replacement program.			
Purpose:	This multi-year project involves the renewal of existing aged / deteriorated sanitary and storm sewer mains by replacing or relining the entire length of pipe materials along a significant span of the line, typically a city block. In cases of replacement there may be concurrent rehabilitation of the asphalt roadway and concrete curbs, gutters and sidewalks required.  The locations of repair are normally confirmed in advance with sewer photography inspections. Sites of interest may be identified through one of the following factors:  • The occurrence of repetitive performance problems in the main requiring ongoing maintenance,  • Consistently poor pipe appearing in the video,  • A history of localized emergency and repair digs at the location, and/or  • The roadway section identified as a rehabilitation project within the roadway recapping program.		\$700,000	
Funding Source:	Waterworks Improvement Fund Balance			

UC-06: W	/WTP Upgrade Modelling and Pre-Design	Capital	Reserve	Externally Funded
Detail:	Waste Water Treatment Plant (WWTP) Upgrade Modelling and Pre-Design.			
Purpose:	In 2017, Administration presented the 25 year Master Plan for the WWTP. The Master Plan highlighted the fact that none of the core parts of the treatment plant have been upgraded since it was constructed and are well beyond their design life expectancy.  The first step of the plan was to complete an Inflow and Infiltration Study.  Once complete, the overall plant process will need to be modeled extensively to determine the design requirements for upgrades to key systems, such as: aeration, clarifiers, solids handling and grit removal. Modelling for waste water treatment is a complicated task as each element of the process has impacts throughout the treatment process that need to be accounted for.  Once the modelling has been completed, a pre-design of the upgraded facility will be completed to determine the design details of each of the processes within the plant as		\$370,000	
	well as preliminary layout options and high level cost estimates to complete the upgrade and upgrade phasing details.			
Funding Source:	Waterworks Improvement Fund Balance			

# **CAPITAL: FLEET REPLACEMENTS**

The Equipment Fleet Reserve will have a projected <u>surplus</u> balance of \$1,190,996 at the end of 2020 after the proposed fleet purchases for all Funds.

UC-07 Re	eplacement of Unit #17 - 2008 Yard Loader	Capital	Reserve	Externally Funded
Detail:	Replacement of Unit #17, a 2008 Case 3 Cubic Yard Loader.			
Purpose:	This unit is a 2008 loader used by public works, it will have over 13,000 hours, by 2020. The Fleet Manager is recommending that this unit be replaced. This unit had a replacement of all major replaceable bushings in 2014 and in 2017. There are areas where this machine does not have bushings but the pins sit in the frame of the machine like the steering cylinders. These were line bored and repaired in 2017 as the machine was getting unsafe for the road.  The number of hours on the powertrain has exceeded its useful life and will need major dollars invested. The unit was scheduled to be replaced in 2018 but all equipment purchases were canceled for that year. As a result of this, bushings were replaced in 2017 for safety. This unit will also come with a UV angling blade for precise snow removal.		\$360,000	
Funding Source:	Equipment and Fleet Reserve			





## **LOAN PRINCIPAL PAYMENTS**

Please note that for capital projects to be funded from the Waterworks Improvement Fund Balance, the Waterworks Improvement Fund Balance will have a projected deficit of \$4,787,708 at the end of 2020 after the inclusion of the 2020 capital projects.

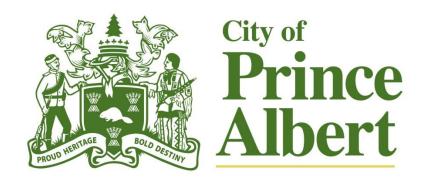
UC-08: Lo	oan Principal - Water Treatment Plant Upgrade	Capital	Reserve	Externally Funded
Detail:	Annual long-term debt principal repayment			
Purpose:	Principal portion of long term debt for the WTP upgrade. The interest portion of this loan is expensed as an operational cost but the principal payments are funded from reserve allocations. This loan is scheduled to be repaid in full in 2024.		\$591,100	
Funding Source:	Waterworks Improvement Fund Balance			

UC-09: Lo	oan Principal - Water Meter Replacement	Capital	Reserve	Externally Funded
Detail:	Annual long-term debt principal repayment			
Duman	Principal portion for long term debt for the water meter replacement capital project. The interest portion of this loan is expensed as an operational cost but the principal payments are funded from reserve allocations. Interest is based on a 10 year amortization at the City's line of credit borrowing rate.			
Purpose:	When the 2020 Budget was prepared, the City's line of credit borrowing rate was 2.95%. This was the budgeted rate used for Year 1 or 2019. The budgeted rate for Years 2-10 will be based on a rate of 3.2% which is the October 2020 line of credit borrowing rate for the City. This loan is scheduled to be repaid in full in 2028.		\$422,500	
Funding Source:	Waterworks Improvement Fund Balance			

UC-10: Lo	oan Principal - New Water Reservoirs	Capital	Reserve	Externally Funded
Detail:	Annual long-term debt principal repayment.			
	In 2017, City Council approved the borrowing of \$7 million dollars for the construction of two new reservoirs, one at the WTP on River Street and one on Marquis Road to twin the existing reservoirs.			
	The City has completed the River Street Reservoir and pump house expansion for an estimated cost of \$14.8 million. The City received \$9 million in funding from the Federal and Provincial Government to assist in the completion of this project.			
Purpose:	Administration projects that it will be utilizing approximately \$5.8 million of the \$7 million borrowed. Administration has determined that the construction of a new Raw Water Pump House is currently the highest priority and will be requesting that Council approve the allocation of the remaining \$1.2 million in debt financing proceeds to be allocated to this project.		\$193,000	
	This loan has been financed over 25 years and is scheduled to be repaid in full in 2042.			
Funding Source:	Waterworks Improvement Fund Balance			

UC-11: Lo	oan Principal - Zone 2 Water Reservoir Upgrades	Capital	Reserve	Externally Funded
Detail:	Annual long-term debt principal repayment			
Purpose:	A 2015 Hydraulic Water Assessment of The City's water distribution system concluded that neither of the two (2) pump stations in Zone 2 (2nd Avenue and Marquis Road) are capable of supplying fire flows during peak demand with the other out of service. Therefore, the City is upgrading the reservoirs to ensure that Zone 2 will meet current and future water distribution demands.  City Council approved borrowing in the amount of \$6,553,000 in August 2017 with the debt to be financed over 25 years.  This loan is scheduled to be repaid in full in 2042.		\$180,000	
Funding Source:	Waterworks Improvement Fund Balance			

Total of Capital Requests by Funding Source	-	\$4,541,600	\$9,590,000
Grand Total of All Capital Requests		\$14,131,600	



## **APPENDIX C**

2020 - 2024 WATER UTILITY FUND 5-YEAR CAPITAL BUDGET

----- Filters -----

Year: 2020 to 2024

Revenue Sources: No

Fund: Water & Sewer Utility

Group By: Year

		_			* in thous	in thousands of dollars			
Ref# P	ri Fund	E.F.	Location	Item Description	Сар.	Res	Ext.	Total	
20		ı							
I 1	Water & Sewer Utility	No .	WTP	Water Treatment Plant Upgrade - Loan Payments	\$0	\$591.1	\$0	\$591	
	Cowor Cumry			Detail: Loan principal repayments					
				Purpose: Loan principal repayments					
				This loan is scheduled to be repaid in full in 2024.					
				Reserve Source : Waterworks Improvement Fund Balance					
! 1	Water & Sewer Utility	Yes	Various	Replacement of Unit #17 - 2008 Yard Loader	\$0	\$360.0	\$0	\$360	
	Cowor Cumry			Detail: Replacement of Unit #17 - 2008 Case 3 Cubic Yard Loader					
				Purpose: This unit is a 2008 loader used by public works, it will have over 13,000 hours, by 2020. The Fleet Manager					
				is recommending that this unit be replaced. This unit had a replacement of all major replaceable bushings in 2014 and in					
				2017. There are areas where this machine does not have bushings but the pins sit in the frame of the machine like the					
				steering cylinders. These were line bored and repaired in 2017 as the machine was getting unsafe to road. Now the					
				powertrain is getting houred out and will need major dollars invested. 2018 was to be the replacement year but since all					
				2018 equipment replacement was cancelled these bushings were done in 2017 for safety. This unit will also come with a					
				UV angling blade for precise snow removal.					
				Reserve Source : Equipment and Fleet Reserve					
1	Water & Sewer Utility	No	Various	Watermain Replacement Program	\$0	\$1,500.0	\$0	\$1,50	
	Cower Cully			Detail: This program replaces problematic old 1900 to 1955 cast iron water mains that have the most breaks, and any					
				other mains that have persistent leaks.					

					* in thousands of dollars			
Ref# Pri	Fund E	.F.	Location	Item Description	Сар.	Res	Ext.	Total
				Purpose: The 1900 to 1955 cast iron water mains are 22 years past their life expectancy, constantly failing with 25				
				breaks per year and must be replaced. Presently we are averaging 975m (6.5 blocks) of replacement per year. This				
				needs to increase to 9 blocks per year as there is a 62,200m (415 blocks) and \$68.4 million dollar back log of cast iron				
				water main to replace. Replacing old breaking and leaking water mains on an annual basis, reduces water main breaks				
				thereby reducing future operation and maintenance costs and improves service delivery to the residents. The 2020				
				locations will be determined from previous water main break records.				
				Reserve Source: Waterworks Improvement Fund Balance				
4 1		10	Various	Sanitary/Storm Sewer Replacement Program	\$0	\$700.0	\$0	\$700.0
	Sewer Utility			Detail: Sanitary/Storm Sewer Relining and Replacement Program				
				Purpose: This multi-year project involves the renewal of existing aged / deteriorated sanitary and storm sewer mains				
				by replacing or relining the entire length of pipe materials along a significant span of the line, typically a city block. In				
				cases of replacement there may be concurrent rehabilitation of the asphalt roadway and concrete curbs, gutters and				
				sidewalks required. The locations of repair are normally confirmed in advance with sewer photography inspections.				
				Sites of interest may be identified through one of the following factors; The occurrence of repetitive performance				
				problems in the main requiring ongoing maintenance, consistently poor pipe appearing in the video, and/or a history of				
				localized emergency and repair digs at the location or the roadway section identified as a rehabilitation project within the				
				roadway recapping program.				
				Reserve Source: Waterworks Improvement Fund Balance				
5 1	Water & N Sewer Utility	Ю	City Hall	Long-Term Debt Repayment - New Water Reservoirs	\$0	\$193.0	\$0	\$193.0
				Detail: Annual long-term debt principal repayment.				
				Purpose: In 2017, City Council approved the borrowing of \$7 million dollars for the construction of two new reservoirs,				
				one at the WTP on River Street and one on Marquis Road to twin the existing reservoirs.				
				The City has completed the River Street Reservoir and pump house expansion for an estimated cost of \$14.8 million.				
				The City received \$9 million in funding from the Federal and Provincial Government to assist in the completion of this				

						* in thou	ands of d	ollars	
Ref#	Pri	Fund	E.F.	Location	Item Description	Сар.	Res	Ext.	Total
					project.				
					Administration projects that it will be utilizing approximately \$5.8 million of the \$7 million borrowed. Administration has determined that the construction of a new Raw Water Pump House is currently the highest priority and will be requesting that Council approve the allocation of the remaining \$1.2 million in debt financing proceeds to be allocated to this project.				
					This loan has been financed over 25 years and is scheduled to be repaid in full in 2042.  **Reserve Source:* Waterworks Improvement Fund Balance**				
6	1	Water & Sewer Utility	No	City Hall	Long-Term Debt Repayment - Zone 2 Water Reservoir Upgrades	\$0	\$180.0	\$0	\$180.0
					Detail: Annual long-term debt principal repayment.				
					<b>Purpose</b> : A 2015 Hydraulic Water Assessment of The City's water distribution system concluded that neither of the two				
					(2) pump stations in Zone 2 (2nd Avenue and Marquis Road) are capable of supplying fire flows during peak demand				
					with the other out of service. Therefore, the City is upgrading the reservoirs to ensure that Zone 2 will meet current and future water distribution demands.				
					City Council approved borrowing in the amount of \$6,553,000 in August 2017 with the debt to be financed over 25 years.				
					This loan is scheduled to be repaid in full in 2042.				
					Reserve Source: Waterworks Improvement Fund Balance				
7	1	Water & Sewer Utility	No	Various locations	Fire Hydrant Replacement Program	\$0	\$80.0	\$0	\$80.0
		Cowor Cumty			Detail: Replacement of the old fire hydrants brands that are failing, no longer manufactured and replacement parts are				
					not available.				
					Purpose: The City of Prince Albert has 1,035 Fire Hydrants. Of those, 21 are John East Brand. This manufacturer				
					has been out of business since 1975 and parts are no longer available. When these hydrants fail, usually in winter, there				
					are huge repair costs, disruption in service issues, and fire protection issues. It is much more cost effective to schedule				

				* in thous	ands of d	ollars	
Ref# Pri Fund	E.F.	Location	Item Description	Сар.	Res	Ext.	Total
			summer replacement of these hydrants with new Mueller Canada Valve hydrants.				
			Reserve Source: Waterworks Improvement Fund Balance				
8 1 Water	r & No		Water Meter Replacement Long Term Debt Payment	\$0	\$422.5	\$0	\$422.5
Jewe	a Gunty		Detail: Water Meter Replacement Long Term Debt Payment				
			Purpose: Principal portion for long term debt for the water meter replacement capital project. The interest portion of				
			this loan is expensed as an operational cost but the principal payments are funded from reserve allocations. Interest is				
			based on a 10 year amortization at the City's line of credit borrowing rate.				
			When the 2020 Budget was prepared, the City's line of credit borrowing rate was 2.95%. This was the budgeted rate				
			used for Year 1 or 2019. The budgeted rate for Years 2-10 will be based on a rate of 3.2% which is the October 2020 line				
			of credit borrowing rate for the City. This loan is scheduled to be repaid in full in 2028.				
			Reserve Source: Waterworks Improvement Fund Balance				
9 1 Water Sewel	r & No er Utility		Lead Service Replacement Program	\$0	\$145.0	\$0	\$145.0
	• • • • • • • • • • • • • • • • • •		Detail: Replacement of 10 lead water service connections				
			Purpose: The annual Water Treatment Plant report identifies the lead services with the highest test results. The results				
			are evaluated in combination with known lead service locations and the lead service replacement locations are generated				
			for each year.				
			Reserve Source: Waterworks Improvement Fund Balance				
10 1 Water Sewer	r & No er Utility	WTP	New Raw Water Pump House - Construction	\$0	\$0	\$9,590.0	\$9,590.0
	,		Detail: Constructing the new Raw Water Pump House to meet the needs of the City for the next 50 years and beyond.				
			This is the first critical step in the treatment process, which pumps water to the adjacent Water Treatment Plant.				
			The construction project is estimated to begin in the spring of 2020 and be completed in 2021 with the costs estimated at				
			\$4.8 million in 2020 and \$4.8 million in 2021.				
			·				
			Purpose: The existing Raw Water Pump House was constructed in 1923 and is 96 year old. In Oct 2018 an				

					* in thous	ands of d	ollars	
Ref# P	Pri Fund	E.F. L	ocation	Item Description	Сар.	Res	Ext.	Total
				engineering assessment was completed on the facility recommending to build a new pump house over reconstructing the				
				existing and a high level estimate was provided.				
				The 2019 detailed design for a new pump house is underway & as the engineer's plow through the federal and provincial				
				regulations that must be adhered to and meet the pumping needs of the City for the next 50 years, it became clear that				
				preliminary estimates were low & upgrading the facility is not an option. There are a number of complex and costly issues	;			
				that have to be dealt with such as; DFO (fisheries) regulations on protection and return of fish to the river, excavation of				
				the foundation 14.5m (48ft) deep or 5 stories underground, redundant pumping capacity for down time, and back-up				
				power generation for electrical outages. The design is nearly completed and the estimated cost of construction is \$9.6				
				million.				
				External Source: Existing Debt Financing and Gas Tax Funding				
11 1	Trato. G		VTP	WWTP Upgrade Modelling and Pre-Design	\$0	\$370.0	\$0	\$370.0
	Sewer Utilit	ty		Detail: Waste Water Treatment Plant (WWTP) Upgrade Modelling and Pre-Design				
				Purpose: In 2017, Administration presented the 25yr Master Plan for the WWTP. The Master Plan highlighted the fact				
				that none of the core parts of the treatment plant have been upgraded since constructed and are well beyond their design	1			
				life expectancy.				
				The first step of the plan was to complete an Inflow and Infiltration Study.				
				Once complete, the overall plant process will need to be modeled extensively to determine the design requirements for				
				upgrades to key systems, such as: aeration, clarifiers, solids handling and grit removal. Modelling for waste water				
				treatment is a complicated task as each element of the process has impacts throughout the treatment process that need				
				to be accounted for.				
				Once the modelling has been completed, a pre-design of the upgraded facility will be completed to determine the design				
				details of each of the processes within the plant as well as preliminary layout options and high level cost estimates to				

						* in thousands of dollars				
Ref#	Pri Fund	E.	F.	_ocation	Item Description	Сар.	Res	Ext.	Total	
					complete the upgrade and upgrade phasing details.					
					Reserve Source: Waterworks Improvement Fund Balance					
2020 s	ub-total					\$0	\$4,541.6	\$9,590.0	\$14,131.6	
2021										
12 1	1 Water of Sewer		o F	Roadways	Central Avenue River Street to 10th Street Revitalization	\$600.0	\$0	\$0	\$600.0	
	Sewei	Othity			Detail: The Project entails the replacement of underground infrastructure and the reconstruction of the surface and new					
					streetscape on Central Avenue from River to 15 Street. Due to the complexity and size of the project, it is recommended					
					to be tendered out as a multiyear project over 3 years. The first phase of the project would be the 800 and 900 blocks.					
					Purpose: Central Avenue was originally constructed in the early 1900's. In the 1980's, it received a facelift to the					
					surface but the underground utilities were not replaced. The surface treatments included new streetscape with paving					
					stones, trees with iron grates and new double head square street lights.					
					The Underground is now over 110 years old and includes cast iron water mains with lead services, clay tile sanitary and					
					storm sewer that cannot be relined due to their condition. There are too many connections and other utilities under the					
					street for directional drilling to be an option. Full replacement is required.					
					The roadways are in poor shape and have not been repaved in over 30 years. The paving stone sidewalks are over 35					
					years old and crumbling with many trip hazards.					
					The street is further complicated with the Crown Utilities including SaskEnergy, SaskPower and SaskTel which has major					
					conduit buried the entire length of Central Avenue from River Street to 15 Street.					
13 1	1 Water of Sewer		۱ د	WWTP	Waste Water Treatment Plant Upgrade - Detailed Design Year 1	\$0	\$1,800.0	\$0	\$1,800.0	
	001101				Detail: Detailed Design of Waste Water Treatment Plant (WWTP) Year 1.					
					Purpose: The initial construction of the Waste Water Treatment Plant (WWTP) began in 1972 and only included partial					
					treatment for the removal of some solids. The plant was significantly expanded in 1998 to include secondary treatment					

		1				* in thous	ands of d	ollars	
Ref#	Pri	Fund	E.F.	Location	Item Description	Сар.	Res	Ext.	Total
					and was further upgraded in 2009 to include UV disinfection. With each subsequent project, there was no upgrade to				
					previous works, meaning that older portions of the plant have far exceed their useful design life.				
					Following the completion of the plant modelling and pre-design in 2020, Administration recommends that the City				
					immediately begin with the detailed design of a comprehensive upgrade to the WWTP.				
					The detailed design for a comprehensive upgrade to the WWTP is a significant design project that will take more than a				
					year to complete, as such it is budgeted over the 2021 and 2022 budget years.				
					Reserve Source: Waterworks Improvement Fund Balance				
14	1	Water & Sewer Utility	No		River Street Reservoir Refurbish and Repairs	\$0	\$350.0	\$0	\$350.0
	Jew	,			Detail: Repairing and Resurfacing the old River Street Reservoir				
					Purpose: During the inspection of the old River Street Reservoir it was observed that the interior face of the precast				
					concrete wall panels is experiencing medium to severe scaling. Scaling is the local flaking or loss of the surface mortar				
					as a result of the freeze-thaw deterioration of the concrete. It was also observed that the tie hole plugs located in the				
					cast-in-place pilasters are being dislodged, permitting water to seep through to the exterior of the reservoir. The precast				
					concrete columns are also showing signs of loss of surface mortar. To prevent the further deterioration they must be				
					dealt with in the next few years. Repairs should consist of removing the remaining tie hole plugs from the interior of the				
					reservoir walls and filling them with Xypex Patch'n Plug. Once the tie holes have been filled, the entire interior surface of				
					the reservoir walls, as well as the concrete columns, should be coated with Xypex Concentrate.				
					Reserve Source: Utility Improvement Fund Balance				
15	1 Water & Sewer Utili	Water & Sewer Utility	No	WTP	Water Treatment Plant Upgrade - Loan Payments	\$0	\$614.7	\$0	\$614.7
					Detail: Loan principal repayments				
					Purpose: Loan principal repayments				
					This loan is scheduled to be repaid in full in 2024.				

					* in thous	ands of do	ollars	
Ref#	Pri Fund	E.F.	Location	Item Description	Сар.	Res	Ext.	Total
				Reserve Source: Waterworks Improvement Fund Balance				
16	1 Water & Sewer L	Yes	Various	Replacement of Unit 204 - Steamer Unit	\$0	\$65.0	\$0	\$65.0
	Jewei C	tility		Detail: Purchase of a new Steamer Unit				
				Purpose: The repairs to bring the current steamer unit to standards for certification will be around \$25,000. Rather				
				than spend this money on the old unit, it is suggested that the City purchase a Hotsy steamer unit .				
				This will provide Collection and Distribution with a better response time.				
				Reserve Source: Equipment and Fleet Reserve				
17	1 Water & Sewer Utility			Polymer System Repair	\$0	\$100.0	\$0	\$100.0
	Sewer C	tility		Detail: Repair of the polymer dosing system at the WWTP				
				Purpose: The polymer dosing system at the WWTP has reached the end of its life expectancy and requires significant				
				repairs to bring it up to a good functioning standard.				
				Reserve Source: Waterworks Improvement Fund Balance				
18	1 Water & Sewer L		City Hall	Long-Term Debt Repayment - New Water Reservoirs	\$0	\$199.0		\$199.0
		,		Detail: Annual long-term debt principal repayment.				
				Purpose: In 2017, City Council approved the borrowing of \$7 million dollars for the construction of two new reservoirs,				
				one at the WTP on River Street and one on Marquis Road to twin the existing reservoirs.				
				The City has completed the River Street Reservoir and pump house expansion for an estimated cost of \$14.8 million.				
				The City received \$9 million in funding from the Federal and Provincial Government to assist in the completion of this				
				project.				
				Administration projects that it will be utilizing approximately \$5.8 million of the \$7 million borrowed. Administration has				
				determined that the construction of a new Raw Water Pump House is currently the highest priority and will be requesting				
				that Council approve the allocation of the remaining \$1.2 million in debt financing proceeds to be allocated to this project.				

						* in thous	ands of d	ollars	
Ref#	Pri	Fund	E.F.	Location	Item Description	Сар.	Res	Ext.	Total
					This loan has been financed over 25 years and is scheduled to be repaid in full in 2042.				
					Reserve Source: Waterworks Improvement Fund Balance				
19		Water & Sewer Utility	No .	City Hall	Long-Term Debt Repayment - Zone 2 Water Reservoir Upgrades	\$0	\$186.0	\$0	\$186.0
		Gewer Guilty			Detail: Annual long-term debt principal repayment.				
					Purpose: A 2015 Hydraulic Water Assessment of The City's water distribution system concluded that neither of the two				
					(2) pump stations in Zone 2 (2nd Avenue and Marquis Road) are capable of supplying fire flows during peak demand				
					with the other out of service. Therefore, the City is upgrading the reservoirs to ensure that Zone 2 will meet current and				
					future water distribution demands.				
					City Council approved borrowing in the amount of \$6,553,000 in August 2017 with the debt to be financed over 25 years.				
					This loan is scheduled to be repaid in full in 2042.				
					Reserve Source: Waterworks Improvement Fund Balance				
20		Water & Sewer Utility	No .	Various locations	Watermain Replacement Program	\$0	\$1,600.0	\$0	\$1,600.0
		ocwer ounty			Detail: This program replaces problematic old 1900 to 1955 cast iron water mains that have the most breaks, and any				
					other mains that have persistent leaks.				
					Purpose: The 1900 to 1955 cast iron water mains are 22 years past their life expectancy, constantly failing with 25				
					breaks per year and must be replaced. Presently we are averaging 975m (6.5 blocks) of replacement per year. This				
					needs to increase to 9 blocks per year as there is a 62,200m (415 blocks) and \$68.4 million dollar back log of cast iron				
					water main to replace. Replacing old breaking and leaking water main on an annual basis, reduces water main breaks				
					thereby reducing future operation and maintenance costs and improves service delivery to the residents. The 2021				
					locations will be determined from previous water main break records.				
					Reserve Source: Waterworks Improvement Fund Balance				
21	1	Water &	No	Various locations	Sanitary/Storm Sewer Replacement Program	\$0	\$750.0	\$0	\$750.0

			* in thous	ands of de	ollars	
Ref#	Pri Fund E.F. Location	Item Description	Сар.	Res	Ext.	Total
	Sewer Utility	Detail: Sanitary/Storm Sewer Relining and Replacement Program				
		Purpose: This multi-year project involves the renewal of existing aged / deteriorated sanitary and storm sewer mains				
		by replacing or relining the entire length of pipe materials along a significant span of the line, typically a city block. In				
		cases of replacement there may be concurrent rehabilitation of the asphalt roadway and concrete curbs, gutters and				
		sidewalks required. The locations of repair are normally confirmed in advance with sewer photography inspections. Sites				
		of interest may be identified through one of the following factors; The occurrence of repetitive performance problems in				
		the main requiring ongoing maintenance, consistently poor pipe appearing in the video, and/or a history of localized				
		emergency and repair digs at the location or the roadway section identified as a rehabilitation project within the roadway				
		recapping program.				
		Reserve Source: Waterworks Improvement Fund Balance				
22	1 Water & No	Water Meter Replacement Long Term Debt Payment	\$0	\$436.0	\$0	\$436.
	Sewer Utility	Detail: Water Meter Replacement Long Term Debt Payment				
		Purpose: Principal portion for long term debt for the water meter replacement capital project. The interest portion of				
		this loan is expensed as an operational cost but the principal payments are funded from reserve allocations. Interest is				
		based on a 10 year amortization at the City's line of credit borrowing rate.				
		When the 2020 Budget was prepared, the City's line of credit borrowing rate was 2.95%. This was the budgeted rate				
		used for Year 1 or 2019. The budgeted rate for Years 2-10 will be based on a rate of 3.2% which is the October 2020 line				
		of credit borrowing rate for the City. This loan is scheduled to be repaid in full in 2028.				
		Reserve Source: Waterworks Improvement Fund Balance				
23	1 Water & No Sewer Utility	Lead Service Replacement Program	\$0	\$150.0	\$0	\$150
	Sewer ounty	Detail: Replacement of 10 lead water service connections				
		Purpose: The annual Water Treatment Plant report identifies the lead services with the highest test results. The results				
		are evaluated in combination with known lead service locations and the lead service replacement locations are generated				
		for each year.				

						* in thous	ands of do	llars	
Ref#	Pri	Fund	E.F.	Location	Item Description	Сар.	Res	Ext.	Total
					Reserve Source: Waterworks Improvement Fund Balance				
2021 s	ub-	total				\$600.0	\$6,250.7	\$0	\$6,850.7
2022	2								
24		Water & Sewer Utility	No	WTP	Water Treatment Plant Upgrade - Loan Payments	\$0	\$639.1	\$0	\$639.
		Sewer Othity			Detail: Loan principal repayments				
					Purpose: Loan principal repayments				
					This loan is scheduled to be repaid in full in 2024.			Ext.  7 \$0  1 \$0  0 \$0	
					Reserve Source: Waterworks Improvement Fund Balance				
25		Water & Sewer Utility	No	Waste Water Treatment Plant	WWTP Auxiliary Grit Removal System	\$0	\$150.0	\$0	\$150.0
		ocwer ounty		Treatment Flant	Detail: Installation of a secondary auxiliary grit removal system.				
			Purpose: The Sludge Thickener Module at the Wastewater Treatment Plant is currently equipped with	Purpose: The Sludge Thickener Module at the Wastewater Treatment Plant is currently equipped with a cyclone grit					
		classi	classifier which captures and removes sediments suspended in lighter density sludge wastes. While heavy materials						
					that settle to the bottom of the tank are contained within the thickened primary sludge, the lighter grit constituents require				
					a concentrated effort to remove from the sludge slurry mixture.				
					This project will consist of the procurement and installation of a second unit to enhance the performance of the existing				
					equipment and provide some redundancy. A greater efficiency in this process will reduce the organic solids component				
					of the sludge byproduct. This is expected to reduce the quantity and the odor of the waste which must be transported by				
					truck through residential neighborhoods and is anticipated to have beneficial impacts for the composting process.				
					Reserve Source: Waterworks Improvement Fund Balance				
26		Water & Sewer Utility	No	Various	Relocation of Lift Station 1 Forcemain	\$0	\$120.0	\$0	\$120.0
		conor camey			Detail: Work ancillary to a new trunk sewer project intended to improve overall sewer performance in the neighborhood.				
					Purpose: Lift Station 1 is positioned on River Street West at 8th Avenue, and collects most of the sewage generated				

					* in thous	ands of do	ollars	
Ref#	Pri Fund	E.F.	Location	Item Description	Сар.	Res	Ext.	Total
				within the West Flat. This effluent is re-directed to a trunk sewer on 15th Street which ultimately runs all the way to the				
				WWTP. The 15th Street sewer is old, undersized, and is of shallow grade, and therefore in frequent need of				
				maintenance (ie, dredging and jetting).				
				The Land Fund contains a project whereby a new trunk sewer will be installed on 18th Street West from 9th Avenue to				
				5B Avenue to collect new flows generated within the West Hill, subsequent to the West Hill Infrastructure Project.				
				This project would occur simultaneous with the proposed trunk sewer upgrade, so that the lift station flows would be diverted to the new pipe.				
				Reserve Source : Waterworks Improvement Fund Balance				
07		.,	F					
27	1 Water & Sewer U		Equipment	Replacement of Unit 96 - Sewer Jet Rodder	\$0	\$600.0	\$0	\$600.0
				Detail: Replacement of Unit 96 - 2012 Tandem axle combination unit mounted on a Freightliner				
				Purpose: Unit 96 is used by C&D for rodding sewers and vactoring. This unit is a 2012 Freightliner. This is the main				
				unit for rodding and vactoring sewers. It is the principle unit for sewer maintenance.				
				Reserve Source : Equipment and Fleet Reserve				
28	1 Water & Sewer L		Various locations	Replacement of Unit 4 - Excavator	\$0	\$400.0	\$0	\$400.0
	ocwer c	runty		Detail: Replacement of 2006 Volvo track Excavator				
				Purpose: Unit 4 is a 2006 Volvo track excavator the City bought used. This unit is used for major excavations that our				
				rubber tired units are not capable of. This unit also does work at the Landfill.				
				Reserve Source: Equipment and Fleet Reserve				
29	1 Water & Sewer L			WTP Residual Management Study	\$0	\$100.0	\$0	\$100.0
				Detail: WTP Residual Management Study - Move to Operating Budget in 2022				
				Purpose: The Water Treatment Plant currently discharges treated water into the river that contains residual chlorine				
				and other treatment chemicals. Administration is recommending that a study be completed to determine a method for				
				adequately dealing with these residuals in anticipation of tightening regulations.				

#### \* in thousands of dollars

Ref#	Pri Fund	E.F.	Location	Item Description	Сар.	Res	Ext.	Total
				Reserve Source: Waterworks Improvement Fund Balance				
30	1 Water & Sewer Uti	No	City Hall	Long-Term Debt Repayment - New Water Reservoirs	\$0	\$206.0	\$0	\$206.0
	Sewer ou	ity		Detail: Annual long-term debt principal repayment.				
				Purpose: In 2017, City Council approved the borrowing of \$7 million dollars for the construction of two new reservoirs,				
				one at the WTP on River Street and one on Marquis Road to twin the existing reservoirs.				
				The City has completed the River Street Reservoir and pump house expansion for an estimated cost of \$14.8 million.				
				The City received \$9 million in funding from the Federal and Provincial Government to assist in the completion of this				
				project.				
				Administration projects that it will be utilizing approximately \$5.8 million of the \$7 million borrowed. Administration has				
				determined that the construction of a new Raw Water Pump House is currently the highest priority and will be requesting				
				that Council approve the allocation of the remaining \$1.2 million in debt financing proceeds to be allocated to this project.				
				This loan has been financed over 25 years and is scheduled to be repaid in full in 2042.				
				Reserve Source: Waterworks Improvement Fund Balance				
31	1 Water & Sewer Uti	No	City Hall	Long-Term Debt Repayment - Zone 2 Water Reservoir Upgrades	\$0	\$193.0	\$0	\$193.
	001101	.ty		Detail: Annual long-term debt principal repayment.		\$0 \$193.0		
				Purpose: A 2015 Hydraulic Water Assessment of The City's water distribution system concluded that neither of the two				
				(2) pump stations in Zone 2 (2nd Avenue and Marquis Road) are capable of supplying fire flows during peak demand				
				with the other out of service. Therefore, the City is upgrading the reservoirs to ensure that Zone 2 will meet current and				
				future water distribution demands.				
				City Council approved borrowing in the amount of \$6,553,000 in August 2017 with the debt to be financed over 25 years.				

					* in thous	ands of de	ollars	
Ref#	Pri Fund	E.F.	Location	Item Description	Сар.	Res	Ext.	Total
				This loan is scheduled to be repaid in full in 2042.				
				Reserve Source: Waterworks Improvement Fund Balance				
32	1 Water & Sewer Utility	No	Various locations	Watermain Replacement Program	\$0	\$1,700.0	\$0	\$1,700.0
	Jones Camily			<b>Detail:</b> This program replaces problematic old 1900 to 1955 cast iron water mains that have the most breaks, and any other mains that have persistent leaks.				
				Purpose: The 1900 to 1955 cast iron water mains are 22 years past their life expectancy, constantly failing with 25				
				breaks per year and must be replaced. Presently we are averaging 975m (6.5 blocks) of replacement per year. This				
				needs to increase to 9 blocks per year as there is a 62,200m (415 blocks) and \$68.4 million dollar back log of cast iron				
				water main to replace. Replacing old breaking and leaking water main on an annual basis, reduces water main breaks				
				thereby reducing future operation and maintenance costs and improves service delivery to the residents. The 2018				
				locations will be determined from previous water main break records.				
				Reserve Source: Waterworks Improvement Fund Balance				
33	1 Water & Sewer Utility	No	Various locations	Sanitary/Storm Sewer Replacement Program	\$0	\$800.0	\$0	\$800.0
				Detail: Sanitary/Storm Sewer Relining and Replacement Program				
				Purpose: This multi-year project involves the renewal of existing aged / deteriorated sanitary and storm sewer mains				
				by replacing or relining the entire length of pipe materials along a significant span of the line, typically a city block. In				
				cases of replacement there may be concurrent rehabilitation of the asphalt roadway and concrete curbs, gutters and				
				sidewalks required. The locations of repair are normally confirmed in advance with sewer photography inspections. Sites				
				of interest may be identified through one of the following factors; The occurrence of repetitive performance problems in				
				the main requiring ongoing maintenance, consistently poor pipe appearing in the video, and/or a history of localized				
				emergency and repair digs at the location or the roadway section identified as a rehabilitation project within the roadway				
				recapping program.				
				Reserve Source : Waterworks Improvement Fund Balance				
34	1 Water & Sewer Utility	No		Water Meter Replacement Long Term Debt Payment	\$0	\$450.0	\$0	\$450.0
	Some Guilty			Detail: Water Meter Replacement Long Term Debt Payment				

						* in thous	ands of d	ollars	
Ref#	Pri F	und	E.F.	Location	Item Description	Сар.	Res	Ext.	Total
					Purpose: Principal portion for long term debt for the water meter replacement capital project. The interest portion of				
					this loan is expensed as an operational cost but the principal payments are funded from reserve allocations. Interest is				
					based on a 10 year amortization at the City's line of credit borrowing rate.				
					When the 2020 Budget was prepared, the City's line of credit borrowing rate was 2.95%. This was the budgeted rate				
					used for Year 1 or 2019. The budgeted rate for Years 2-10 will be based on a rate of 3.2% which is the October 2020 lin	ne			
					of credit borrowing rate for the City. This loan is scheduled to be repaid in full in 2028.				
					Reserve Source: Waterworks Improvement Fund Balance				
35		Vater & Sewer Utility	No	Roadways	Central Avenue 10th Street to 13th Street Revitalization	\$0	\$800.0	\$0	\$800.0
					Detail: The Project entails the replacement of underground infrastructure and the reconstruction of the surface and ne	•w			
					streetscape on Central Avenue from River to 15 Street. Due to the complexity and size of the project, it is recommended	t			
					to be tendered out as a multiyear project over 3 years. The second phase of the project would be the 1000 and 1100 ar	d			
					1200 blocks.				
					Purpose: Central Avenue was originally constructed in the early 1900's. In the 1980's, it received a facelift to the				
					surface but the underground utilities were not replaced. The surface treatments included new streetscape with paving				
					stones, trees with iron grates and new double head square street lights.				
					The Underground is now over 110 years old and includes cast iron water mains with lead services, clay tile sanitary and	I			
					storm sewer that cannot be relined due to their condition. There are too many connections and other utilities under the				
					street for directional drilling to be an option. Full replacement is required.				
					The roadways are in poor shape and have not been repaved in over 30 years. The paving stone sidewalks are over 35				
					years old and crumbling with many trip hazards.				
					The street is further complicated with the Crown Utilities including SaskEnergy, SaskPower and SaskTel which has maj	or			

		* in thous	ands of do	llars	
Ref# Pri Fund E.F. Location	Item Description	Сар.	Res	Ext.	Total
	conduit buried the entire length of Central Avenue from River Street to 15 Street.				
	Reserve Source: Waterworks Improvement Fund Balance				
	- The surface portion of the project totaling \$1,550,000 will be included in the General Budget				
36 1 Water & No	Lead Service Replacement Program	\$0	\$155.0	\$0	\$155.0
Sewer Utility	Detail: Replacement of 10 lead water service connections				
	Purpose: The annual Water Treatment Plant report identifies the lead services with the highest test results. The results				
	are evaluated in combination with known lead service locations and the lead service replacement locations are generated				
	for each year.				
	Reserve Source: Waterworks Improvement Fund Balance				
37 1 Water & No WWTP Sewer Utility	Waste Water Treatment Plant Upgrade - Detailed Design Year 2	\$0	\$1,500.0	\$0	\$1,500.0
Gewei Gunty	Detail: Detailed Design of Waste Water Treatment Plant (WWTP) Year 2.			).0 \$0	
	Purpose: The initial construction of the Waste Water Treatment Plant (WWTP) began in 1972 and only included partial				
	treatment for the removal of some solids. The plant was significantly expanded in 1998 to include secondary treatment				
	and was further upgraded in 2009 to include UV disinfection. With each subsequent project, there was no upgrade to				
	previous works, meaning that older portions of the plant have far exceed their useful design life.				
	Following the completion of the plant modelling and pre-design in 2020, Administration recommends that the City				
	immediately begin with the detailed design of a comprehensive upgrade to the WWTP.				
	The detailed design for a comprehensive upgrade to the WWTP is a significant design project that will take more than a				
	year to complete, as such it is budgeted over the 2021 and 2022 budget years.				
	Reserve Source: Waterworks Improvement Fund Balance				
022 sub-total		\$0	\$7,813.1	\$0	\$7,813.
023					
38 1 Water & No Various locations		\$0	\$1,800.0	\$0	\$1,800.0

	Ī				* in thousa	ands of d	ollars	
Ref#	Pri Fund	E.F.	Location	Item Description	Сар.	Res	Ext.	Total
	Sewer Utility			Watermain Replacement Program				
				Detail: This program replaces problematic old 1900 to 1955 cast iron water mains that have the most breaks, and any				
				other mains that have persistent leaks				
				Purpose: The 1900 to 1955 cast iron water mains are 22 years past their life expectancy, constantly failing with 25				
				breaks per year and must be replaced. Presently we are averaging 975m (6.5 blocks) of replacement per year. This				
				needs to increase to 9 blocks per year as there is a 62,200m (415 blocks) and \$68.4 million dollar back log of cast iron				
				water main to replace. Replacing old breaking and leaking water main on an annual basis, reduces water main breaks				
				thereby reducing future operation and maintenance costs and improves service delivery to the residents. The 2021				
				locations will be determined from previous water main break records				
				Reserve Source: Waterworks Improvement Fund Balance				
39	1 Water & Sewer Utility	No	Various locations	Sanitary/Storm Sewer Replacement Program	\$0	\$850.0	\$0	\$850.0
	Sewer Othity			Detail: Sanitary/Storm Sewer Relining and Replacement Program				
				Purpose: This multi-year project involves the renewal of existing aged / deteriorated sanitary and storm sewer mains				
				by replacing or relining the entire length of pipe materials along a significant span of the line, typically a city block. In				
				cases of replacement there may be concurrent rehabilitation of the asphalt roadway and concrete curbs, gutters and				
				sidewalks required. The locations of repair are normally confirmed in advance with sewer photography inspections. Sites				
				of interest may be identified through one of the following factors; The occurrence of repetitive performance problems in				
				the main requiring ongoing maintenance, consistently poor pipe appearing in the video, and/or a history of localized				
				emergency and repair digs at the location or the roadway section identified as a rehabilitation project within the roadway				
				recapping program.				
				Reserve Source: Waterworks Improvement Fund Balance				
40	1 Water & Sewer Utility	No	WTP	Water Treatment Plant Upgrade - Loan Payments	\$0	\$664.6	\$0	\$664.6
	,			Detail: Loan principal repayments				
				Purpose: Loan principal repayments				
		1	1					

_					* in thou	ands of d	ollars	
Ref#	Pri Fund	E.F.	Location	Item Description	Сар.	Res	Ext.	Total
				This loan is scheduled to be repaid in full in 2024.				
				Reserve Source: Waterworks Improvement Fund Balance				
41	1 Water & Sewer U	No	WTP	New Water Storage Reservoir - Marquis Road	\$0	\$0	\$6,000.0	\$6,000.0
	Comor C			Detail: New reservoir at Marquis Road East to twin the existing reservoir.				
				Purpose: The City of Prince Albert and the PARWU has a water user population of 45,182. The WTP peak day				
				demand is 22.1 ML/day. The city's 4 reservoirs, 2nd Ave built 1962 (11.3 ML), Marquis Road built 1981 (11.3 ML), &				
				River Street built 1989 (15 ML) and 2018 (15 ML), have a total of 52.7 ML of storage capacity. The City now has the				
				required 2 day storage capacity for a safe & secure water system, but any water treatment plant outage exceeding 2				
				days would put the city in a dangerous position should there be an emergency.				
				Scope of this project is the planning, design & construction of 11.36 ML concrete, treated water reservoir expansion at				
				Marquis Road next to the existing reservoir. Engineers would be hired to design and over see the construction.				
				External Source: Building Fund Canada requires 1/3 share between Federal, Provincial and City.				
				\$2,000,000 debt financing for City portion				
				\$4,000,000 Federal and Provincial Government				
42	1 Water & Sewer U	Yes	Various	Replacement of Unit 16 - Loader	\$0	\$175.0	\$0	\$175.0
		,		Detail: Replacement of Unit 16 - 2004 Case 1 Cubic Yard Loader				
				Purpose: This unit is a 2004 loader used by public works, it will have 12,000 hours, by 2023. The Fleet Manager is				
				recommending that this unit be replaced. This unit is getting obsolete and maintenance has been high.				
				Reserve Source: Equipment and Fleet Reserve				
43	1 Water & Sewer U	No		New WTP Filters and Clearwell	\$0	\$0	\$7,000.0	\$7,000.0
	Jewel 0	ility		Detail: Construction of new filters and a new clearwell at the WTP to expand capacity to keep up with demand and				
				water quality conditions.				
				Purpose: Construction of new filters and a new clearwell at the WTP to expand capacity to keep up with demand and				
				water quality conditions.				

# \* in thousands of dollars

Ref# Pr	' Funa	E.F.	Location	Item Description	Сар.	Res	Ext.	Total
				External Source: Government Funding or Debt Financing				
44 1	Water & Sewer Utility	No	City Hall	Long-Term Debt Repayment - New Water Reservoirs	\$0	\$214.0	\$0	\$214.0
	Sewer Othics	<b>'</b>		Detail: Annual long-term debt principal repayment.				
				Purpose: In 2017, City Council approved the borrowing of \$7 million dollars for the construction of two new reservoirs,				
				one at the WTP on River Street and one on Marquis Road to twin the existing reservoirs.				
				The City has completed the River Street Reservoir and pump house expansion for an estimated cost of \$14.8 million.				
				The City received \$9 million in funding from the Federal and Provincial Government to assist in the completion of this				
				project.				
				Administration projects that it will be utilizing approximately \$5.8 million of the \$7 million borrowed. Administration has				
				determined that the construction of a new Raw Water Pump House is currently the highest priority and will be requesting				
				that Council approve the allocation of the remaining \$1.2 million in debt financing proceeds to be allocated to this project.				
				This loan has been financed over 25 years and is scheduled to be repaid in full in 2042.				
				Reserve Source: Waterworks Improvement Fund Balance				
45 1	Water & Sewer Utility	No	City Hall	Long-Term Debt Repayment - Zone 2 Water Reservoir Upgrades	\$0	\$200.0	\$0	\$200.0
	Jewer Othing	'		Detail: Annual long-term debt principal repayment.				
				Purpose: A 2015 Hydraulic Water Assessment of The City's water distribution system concluded that neither of the two				
				(2) pump stations in Zone 2 (2nd Avenue and Marquis Road) are capable of supplying fire flows during peak demand				
				with the other out of service. Therefore, the City is upgrading the reservoirs to ensure that Zone 2 will meet current and				
				future water distribution demands.				
				City Council approved borrowing in the amount of \$6,553,000 in August 2017 with the debt to be financed over 25 years.				

					* in thous	ands of do	ollars	
Ref#	Pri Fund	E.F.	Location	Item Description	Сар.	Res	Ext.	Total
				This loan is scheduled to be repaid in full in 2042.				
				Reserve Source: Waterworks Improvement Fund Balance				
46	1 Water & Sewer Utility	No	Roadways	Central Avenue 13th to 15th Street Revitalization	\$0	\$450.0	\$0	\$450.0
				Detail: The Project entails the replacement of underground infrastructure and the reconstruction of the surface and new				
				streetscape on Central Avenue from River to 15 Street. Due to the complexity and size of the project, it is recommended				
				to be tendered out as a multiyear project over 3 years. The third phase of the project would be the 1300 and 1400 blocks.				
				Purpose: Central Avenue was originally constructed in the early 1900's. In the 1980's, it received a facelift to the				
				surface but the underground utilities were not replaced. The surface treatments included new streetscape with paving				
				stones, trees with iron grates and new double head square street lights.				
				The Underground is now over 110 years old and includes cast iron water mains with lead services, clay tile sanitary and				
				storm sewer that cannot be relined due to their condition. There are too many connections and other utilities under the				
				street for directional drilling to be an option. Full replacement is required.				
				The roadways are in poor shape and have not been repaved in over 30 years. The paving stone sidewalks are over 35				
				years old and crumbling with many trip hazards.				
				The street is further complicated with the Crown Utilities including SaskEnergy, SaskPower and SaskTel which has major				
				conduit buried the entire length of Central Avenue from River Street to 15 Street.				
				Reserve Source: Waterworks Improvement Fund Balance				
				- The surface portion of the project totaling \$1,020,000 will be included in the General Budget				
47	1 Water & Sewer Utility	No .		Lead Service Replacement Program	\$0	\$160.0	\$0	\$160.0
				Detail: Replacement of 10 lead water service connections				
				Purpose: The annual Water Treatment Plant report identifies the lead services with the highest test results. The results				
				are evaluated in combination with known lead service locations and the lead service replacement locations are generated				

					* in thous	ands of d	ollars	
Ref#	Pri Fund	E.F. L	ocation	Item Description	Сар.	Res	Ext.	Total
				for each year.				
				Reserve Source: Waterworks Improvement Fund Balance				
48	1 Water & Sewer Util	No		Water Meter Replacement Long Term Debt Payment	\$0	\$464.0	\$0	\$464.0
	Sewer Our	ty		Detail: Water Meter Replacement Long Term Debt Payment				
				Purpose: Principal portion for long term debt for the water meter replacement capital project. The interest portion of				
				this loan is expensed as an operational cost but the principal payments are funded from reserve allocations. Interest is				
				based on a 10 year amortization at the City's line of credit borrowing rate.				
				When the 2020 Budget was prepared, the City's line of credit borrowing rate was 2.95%. This was the budgeted rate				
				used for Year 1 or 2019. The budgeted rate for Years 2-10 will be based on a rate of 3.2% which is the October 2020 line				
				of credit borrowing rate for the City. This loan is scheduled to be repaid in full in 2028.				
				Reserve Source: Waterworks Improvement Fund Balance				
49	1 Water & Sewer Util	1 ' 1	VWTP	Waste Water Treatment Plant Upgrade - Phase 1	\$0	\$0	\$10,000.0	\$10,000.0
	00.1101.01.11	9		Detail: First phase of comprehensive upgrade to Waste Water Treatment Plant (WWTP).				
				Purpose: First Phase of a comprehensive upgrade to the WWTP.				
				The initial construction of the WWTP began in 1972 and only included partial treatment for the removal of some solids.				
				The plant was significantly expanded in 1998 to include secondary treatment and further upgraded in 2009 to include UV				
				disinfection. With each subsequent project, there was no upgrade to previous works, meaning that older portions of the				
				plant have far exceed their useful design life.				
				Significant upgrades to the WWTP will require phased upgrades over multiple years in order to maintain current				
				operations while extensively overhauling the plant.				
				External Source: \$3,000,000 Debt Financing				
				\$7,000,000 External Funding to be Identified				

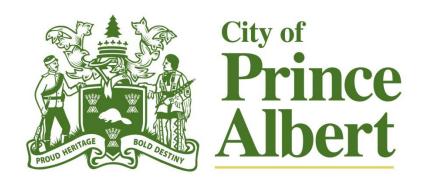
						* in thous	ands of d	ollars	
Ref#	Pri	Fund	E.F.	Location	Item Description	Сар.	Res	Ext.	Total
2023 :	sub	-total				\$0	\$4,977.6	\$23,000.0	\$27,977.6
2024	4								
50	1	Water & Sewer Utility	Yes	Various	Replacement of Unit 7	\$0	\$400.0	\$0	\$400.0
		Sewer Ounty			Detail: Replacement of 2014 Volvo Rubber-tired Backhoe				
					Purpose: This unit will require major mechanical repairs and refitting by 2024. Based on current utilization, it is				
					projected that this unit will have approximately 12,000 hours on it by 2024. This unit will be ordered with a plate tamper				
					as well as a hydraulic hammer.				
					Reserve Source : Equipment Fleet Reserve				
51	1	Water & Sewer Utility	Yes	Various	Trench Shoring Replacement unit 175	\$0	\$40.0	\$0	\$40.0
		oewer ounty			Detail: Unit 175 is a 1993 construction trench shoring box				
					Purpose: This construction shoring box which is 10'x8'was purchased in 1993. Thirty plus years of Sewer and Water				
					excavations have stressed this safety cage, and it is due for replacement				
					Reserve Source : Fleet Equipment Reserve				
52	1	Water & Sewer Utility		Equipment	Replacement of Unit 487 - Valve Turner	\$0	\$55.0	\$0	\$55.0
		oewer ounty			Detail: Replacement of Unit 487 - Hydraulic valve turner				
					Purpose: Unit 487 is used by Sewer and Water to open and close water valves. It is a 2010 Wachs. The truck this unit				
					is mounted in is also being replaced this year.				
					Reserve Source : Fleet Equipment Reserve				
53	1	Water & Sewer Utility	No	Various locations	Watermain Replacement Program	\$0	\$1,900.0	\$0	\$1,900.0
		oewer ounty			Detail: This program replaces problematic old 1900 to 1955 cast iron water mains that have the most breaks, and any				
					other mains that have persistent leaks				
					Purpose: The 1900 to 1955 cast iron water mains are 22 years past their life expectancy, constantly failing with 25				
					breaks per year and must be replaced. Presently we are averaging 975m (6.5 blocks) of replacement per year. This				
					needs to increase to 9 blocks per year as there is a 62,200m (415 blocks) and \$68.4 million dollar back log of cast iron				
					water main to replace. Replacing old breaking and leaking water main on an annual basis, reduces water main breaks				

						* in thous	ands of d	ollars	
Ref#	Pri	Fund	E.F.	Location	Item Description	Сар.	Res	Ext.	Total
					thereby reducing future operation and maintenance costs and improves service delivery to the residents. The 2021				
					locations will be determined from previous water main break records				
					Reserve Source: Waterworks Improvement Fund Balance				
54	1	Water & Sewer Utility	No	Various locations	Sanitary/Storm Sewer Replacement Program	\$0	\$900.0	\$0	\$900.0
		Sewer Ounty			Detail: Sanitary/Storm Sewer Relining and Replacement Program				
					Purpose: This multi-year project involves the renewal of existing aged / deteriorated sanitary and storm sewer mains				
					by replacing or relining the entire length of pipe materials along a significant span of the line, typically a city block. In				
					cases of replacement there may be concurrent rehabilitation of the asphalt roadway and concrete curbs, gutters and				
					sidewalks required. The locations of repair are normally confirmed in advance with sewer photography inspections. Sites				
					of interest may be identified through one of the following factors; The occurrence of repetitive performance problems in				
					the main requiring ongoing maintenance, consistently poor pipe appearing in the video, and/or a history of localized				
					emergency and repair digs at the location or the roadway section identified as a rehabilitation project within the roadway				
					recapping program.				
					Reserve Source: Waterworks Improvement Fund Balance				
55	1	Water & Sewer Utility	No		Water Meter Replacement Long Term Debt Payment	\$0	\$479.2	\$0	\$479.2
		Ocwer Othicy			Detail: Water Meter Replacement Long Term Debt Payment				
					Purpose: Principal portion for long term debt for the water meter replacement capital project. The interest portion of				
					this loan is expensed as an operational cost but the principal payments are funded from reserve allocations. Interest is				
					based on a 10 year amortization at the City's line of credit borrowing rate.				
					When the 2020 Budget was prepared, the City's line of credit borrowing rate was 2.95%. This was the budgeted rate				
					used for Year 1 or 2019. The budgeted rate for Years 2-10 will be based on a rate of 3.2% which is the October 2020 line				
					of credit borrowing rate for the City. This loan is scheduled to be repaid in full in 2028.				
					Reserve Source: Waterworks Improvement Fund Balance				
56	1	Water &	No	WTP	Water Treatment Plant Upgrade - Loan Payments	\$0	\$691.0	\$0	\$691.0

						* in thous	ands of do	ollars	
Ref#	Pri	Fund	E.F.	Location	Item Description	Сар.	Res	Ext.	Total
		Sewer Utility			Detail: Loan interest and principal repayments				
					Purpose: Loan interest and principal repayments				
					This loan is scheduled to be repaid in full in 2024.				
					Reserve Source: Waterworks Improvement				
					Reserve Source : waterworks improvement				
57		Water & Sewer Utility	No	West Hill	Aeration System for West Hill Retention Pond	\$0	\$50.0	\$0	\$50.0
		ocwer ounty			Detail: Equipment to keep stormwater pond from going stagnant.				
					Purpose: This project will consist of the selection, procurement, and installation of an aquatic aeration system in the				
					newly constructed stormwater retention pond, located in the West Hill. The equipment will ensure that the pond remains				
					innocuous and conducive to recreational use.  The aeration function provides oxygen to the retained water, facilitating				
					thermal destratification within the water column and the promotion of standing water circulation, which will inhibit				
					mosquito development, prevent stagnation, and ensure that the reservoir water within the storm pond remains fresh and				
					aesthetically pleasing.				
					This project was originally funded for \$100,000 in 2010; however during the design it was found that a submerged bubble				
					diffuser would be expected to perform better than a fountain, and the budget was reduced by half. A tender was				
					released but no bidders responded, and the remaining money was later re-allocated.				
					Reserve Source: Waterworks Improvement Fund Balance				
58		Water & Sewer Utility	Yes	Equipment	Replacement of Public Works Half Ton - Unit 512	\$0	\$60.0	\$0	\$60.0
		cowor cumty			Detail: Replacement of unit 512, a 2014 one ton Chev Express Van				
					Purpose: Replacement of 512 due to accumulated mileage and body rust. This van is used by Sewer and Water as a				
					valve truck.				
					Reserve Source : Fleet Equipment Reserve				
59		Water & Sewer Utility	No	City Hall	Long-Term Debt Repayment - New Water Reservoirs	\$0	\$220.0	\$0	\$220.0
		Control Othicky			Detail: Annual long-term debt principal repayment.				

						* in thous	ands of d	ollars	
Ref#	Pri	Fund	E.F.	Location	Item Description	Сар.	Res	Ext.	Total
					Purpose: In 2017, City Council approved the borrowing of \$7 million dollars for the construction of two new reservoirs,				
					one at the WTP on River Street and one on Marquis Road to twin the existing reservoirs.				
					The City has completed the River Street Reservoir and pump house expansion for an estimated cost of \$14.8 million.				
					The City received \$9 million in funding from the Federal and Provincial Government to assist in the completion of this				
					project.				
					Administration projects that it will be utilizing approximately \$5.8 million of the \$7 million borrowed. Administration has				
					determined that the construction of a new Raw Water Pump House is currently the highest priority and will be requesting				
					that Council approve the allocation of the remaining \$1.2 million in debt financing proceeds to be allocated to this project.				
					This loan has been financed over 25 years and is scheduled to be repaid in full in 2042.				
					Reserve Source: Waterworks Improvement Fund Balance				
60		Water & Sewer Utility	No .	City Hall	Long-Term Debt Repayment - Zone 2 Water Reservoir Upgrades	\$0	\$206.0	\$0	\$206.0
					Detail: Annual long-term debt principal repayment.				
					Purpose: A 2015 Hydraulic Water Assessment of The City's water distribution system concluded that neither of the two				
					(2) pump stations in Zone 2 (2nd Avenue and Marquis Road) are capable of supplying fire flows during peak demand				
					with the other out of service. Therefore, the City is upgrading the reservoirs to ensure that Zone 2 will meet current and				
					future water distribution demands.				
					City Council approved borrowing in the amount of \$6,553,000 in August 2017 with the debt to be financed over 25 years.				
					This loan is scheduled to be repaid in full in 2042.				
					Reserve Source: Waterworks Improvement Fund Balance				
61		Water & Sewer Utility	No	WWTP	Waste Water Treatment Plant Upgrade - Phase 2	\$0	\$0	\$14,000.0	\$14,000.0

		* in thous	ands of d	ollars	
Ref# Pri Fund E.F. Location	Item Description	Сар.	Res	Ext.	Total
	Detail: Second phase of comprehensive upgrade to Waste Water Treatment Plant (WWTP).				
	<b>Purpose:</b> Second Phase of a comprehensive upgrade to the WWTP.				
	The initial construction of the WWTP began in 1972 and only included partial treatment for the removal of some solids.				
	The plant was significantly expanded in 1998 to include secondary treatment and further upgraded in 2009 to include UV				
	disinfection. With each subsequent project, there was no upgrade to previous works, meaning that older portions of the				
	plant have far exceed their useful design life.				
	Significant upgrades to the WWTP will require phased upgrades over multiple years in order to maintain current				
	operations while extensively overhauling the plant.				
	External Source: \$4,600,000 Debt Financing				
	\$9,400,000 External Funding to be Identified				
2024 sub-total		\$0	\$5,001.2	\$14,000.0	\$19,001.2
Grand Total		\$600.0	\$28,584.2	\$46,590.0	\$75,774.2



# APPENDIX D CAPITAL CARRYFORWARD SCHEDULES

2019 Water and Sewer Utility F	und Capital Proj	ects				
	BUDGET	2019 Spending to Oct 22	<u>VARIANCE</u>	C/F TO 2020 (based on YTD Spending)	<u>FUNDING</u>	<u>TIMELINES</u>
WATERWORKS IMPROVEMENT FUND						
Watermain Replacement Program	\$1,500,000.00	\$1,022,668.40	-\$477,331.60	\$477,331.60	Waterworks Improvement Fund	Unspent funds will be a carry forward to Year 2020.
New Raw Water Pump House Design and Project	\$500,000.00	\$174,556.01	-\$325,443.99	\$325,443.99	Waterworks Improvement Fund	Unspent funds will be a carry forward to Year 2020.
Lead Service Replacement Program	\$140,000.00	\$92,735.32	-\$47,264.68		Waterworks Improvement Fund	Public Works has advised that they have 3 more replacements in progress so near all of the project will be completed. They are aiming for no carry over in our effort to eliminate all the lead services.
Water Treatment Plant Roof Replacement	\$109,500.00	\$14,414.40	-\$95,085.60	\$210,789.60	Waterworks Improvement Fund	City Council Motion of September 30, 2019: "1. That a further budget allocation of \$115,704 for the Water Treatment Plant Reroofing Project, which includes Contract Award and Engineering, be charged to the budgeted surplus contribution to the Water Utility Fund in 2019; 2. That the Water Treatment Plant Reroofing Tender be awarded to Thorpe Industries Ltd. in the amount of \$194,100, plus Provincial Sales Tax." Carry Forward to Year 2020.
Fire Hydrant Replacement Program	\$80,000.00	\$100,933.44	\$20,933.44		Waterworks Improvement Fund	Project completed. Funds spent.
Sanitary and Storm Sewer Replacement Program	\$500,000.00	\$380,775.88	-\$119,224.12	\$119,224.12	Waterworks Improvement Fund	Unspent funds will be a carry forward to Year 2020.
Sewer Relining		\$314,691.74	\$314,691.74			Capital Account was set up from the Operating account Sewer Relining 2-2-42260 as Assets have to be capitalized. \$300,000 Budget.
TOTAL WATER UTILITY RESERVE	\$2,829,500.00	\$2,100,775.19	-\$728,724.81	\$1,132,789.31		_
EQUIPMENT AND FLEET RESERVE					Equipment and Floot	
C & D Crew Bus Replacement (Unit 86)	\$10,000.00	\$7,420.00	-\$2,580.00		Equipment and Fleet Reserve	Project completed.
TOTAL EQUIPMENT AND FLEET RESERVE	\$10,000.00	\$7,420.00	-\$2,580.00	\$0.00		

Water Sewer Utility Fund - Capital Page 1 of 4

2019 Water and Sewer Utility F	und Capital Proj	ects				
	BUDGET	2019 Spending to Oct 22	VARIANCE	C/F TO 2020 (based on YTD Spending)	FUNDING	TIMELINES
INTERNAL FINANCING						
Water Meter Replacement Project	\$3,041,500.00	\$1,311,321.33	-\$1,730,178.67		Internal Financing from General Fund - Over 10 Years	As of Oct 17 7,796 Complete 724 Booked 3,368 remaining Currently there are 74 customers using the EYEONWATER app.  Conclusion estimated June 2020. Carry Forward to
TOTAL INTERNAL FINANCING	\$3,041,500.00	\$1,311,777.72	-\$1,729,722.28	\$1,730,178.67		
TOTAL 2019 UTILITY CAPITAL	\$5,881,000.00	\$3,419,972.91	-\$2,461,027.09	\$2,862,967.98		

2018 Carry Forward Projects -	Utility Capital					
	BUDGET	2019 Spending to Oct 22	VARIANCE	C/F TO 2020 (based on YTD Spending)	FUNDING	TIMELINES
WATERWORKS IMPROVEMENT FUND						
Watermain Replacement Program	\$107,068.69	\$107,068.69	\$0.00		Waterworks Improvement Fund	The carry forward funding is spent.
Sanitary and Storm Sewer Replacement Program	\$216,268.70	\$0.00	-\$216,268.70		Waterworks Improvement Fund	Relining will occur in November and balance will be spent.
Filter to Waste Isolation	\$39,239.16	\$7,985.17	-\$31,253.99	\$31,253.99	Waterworks Improvement Fund	Project to be completed in Year 2021 due to constraints depth of pipe and water infiltration.
Lead Service Replacement Program	\$23,302.52	\$23,302.52	\$0.00		Waterworks Improvement Fund	The carry forward funding is spent.
TOTAL WATERWORKS IMPROVEMENT RESERVE	\$385,879.07	\$138,356.38	-\$247,522.69			
FISCAL RESERVE						
Water Meter Replacement Project	\$1,700,000.00	\$1,700,000.00	\$0.00		Fiscal Reserve	The carry forward funding is spent.
TOTAL FISCAL RESERVE FUNDING	\$1,700,000.00	\$1,700,000.00	\$0.00			

Water Sewer Utility Fund - Capital Page 2 of 4

2018 Carry Forward Projects -	Utility Capital					
	BUDGET	2019 Spending to Oct 22	VARIANCE	C/F TO 2020 (based on YTD Spending)	FUNDING	TIMELINES
DEBT FINANCING						
Zone 2 Reservoir Upgrades	\$144,263.35	\$302,756.18	\$158,492.83		Debt Financing	Project completed. Project is 2.5% over construction budget with no contingency. Typical contingency would be on the order of 5%, or \$309,100.
New Water Storage Reservoirs - Construction - River Street Reservoir	\$861,601.96	\$1,378,228.51	\$516,626.55		Debt Financing (City Portion)	Project is substantially completed and is operational. Province is holding a holdback of \$900,000. Further funding will be provided by the Province that will be applied to this cost.
TOTAL DEBT FINANCING	\$1,005,865.31	\$1,680,984.69	\$675,119.38			

2018 Carry Forward Projects - Utility Capital							
	BUDGET	2019 Spending to Oct 22	<u>VARIANCE</u>	C/F TO 2020 (based on YTD Spending)	<u>FUNDING</u>	TIMELINES	
EXTERNAL FUNDING							
New Water Storage Reservoirs - Construction - River Street Reservoir	\$1,460,302.00	\$560,302.00	-\$900,000.00		Canada Building Fund - Provincial and Federal Funding	Project is substantially completed and is operational. Province is holding a holdback of \$900,000. Further funding will be provided by the Province that will be applied to this cost.	
Reconstruction Storm Pumping Station #4	\$575,488.48	\$537,259.20	-\$38,229.28		IGAS Lax Funding	Project is completed with final invoices forthcoming.	
TOTAL EXTERNAL FUNDING	\$2,035,790.48	\$1,097,561.20	-\$938,229.28				

TOTAL 2018 CARRY FORWARD PROJECTS	\$5,127,534.86	\$4,616,902.27	-\$510,632.59		

TOTAL 2019 WATER & SEWER CAPITAL	\$11,008,534.86	\$8,036,875.18	-\$2,971,659.68	\$2,862,967.98
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-\$2,971,659.68

Water Sewer Utility Fund - Capital Page 3 of 4

WATERMAIN REPLACEMENTS		2019 Spending to Oct 22
18th Street E (2-4)	Completed	\$472.48
3rd Avenue East (1800 Block)	Completed	\$62,539.81
River Street West (800 Block)	Completed	\$201,291.86
13th Street West (600 and 700 Blocks)	Carried over to Year 2020 to complete	\$17,397.18
Wyllie Crescent (S & N Legs)	Completed	\$639,279.80
3rd Avenue East (2300 Block)	Carried over to Year 2020 to complete	\$0.00
11th Street East (Unit Block)	Completed	\$144,508.66
28th Street West @ 2nd Avenue	Completed	\$32,268.31
Little Red Ski Hill	Ongoing	\$31,671.74
Watermain New Lines and Upgrades		\$307.25
TOTAL 2019 SPENDING	ì	\$1,129,737.09
2019 BUDGET FOR WATERMAIN REPLACEMENTS	\$1,607,068,69	
VARIANCE		(\$477,331.60)

SANITARY STORM SEWER REPLACEMENT	2019 Spending to Oct 22	
San Sewer Lamont Crescent	Jetting for 2019. Project for 2020.	\$201.74
13th Street West (600 and 700 Blocks)	Completed	\$192,540.65
5 Avenue East (1500 Block)	Completed	\$132,562.65
Wyllie Crescent (S. & N. Legs)	Completed	\$23,087.57
28th Street West (200 Block)	Completed	\$32,331.07
Sanitary Sewer Relining		\$52.20
TOTAL 2019 SPENDING		\$380,775.88
2019 BUDGET FOR SANITARY STORM SEWER REPLACEMENTS	\$716.268.70	
VARIANCE		(\$335,492.82)

Water Sewer Utility Fund - Capital Page 4 of 4



# APPENDIX E WATER UTILITY FUND ORGANIZATIONAL CHARTS

Permanent Out of Scope FTE Total: 7.5

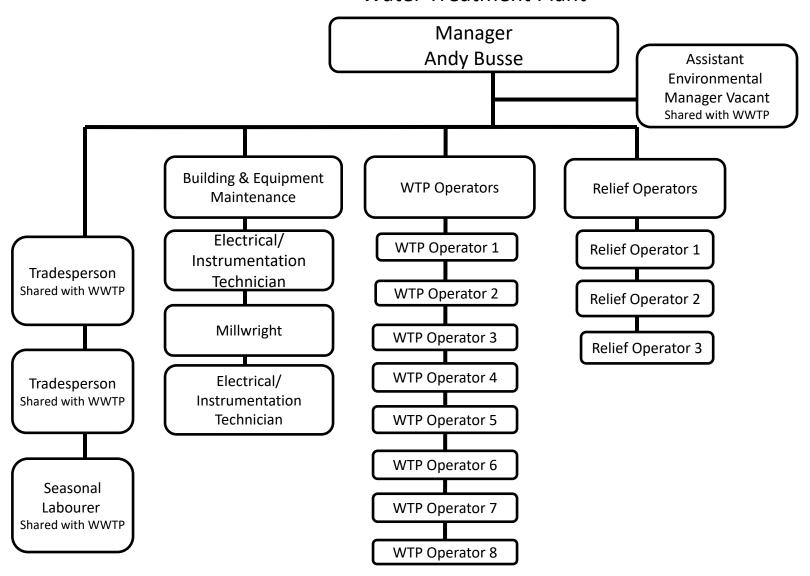
Permanent In Scope FTE Total: 45.75

Summer Casual In Scope: 17.0

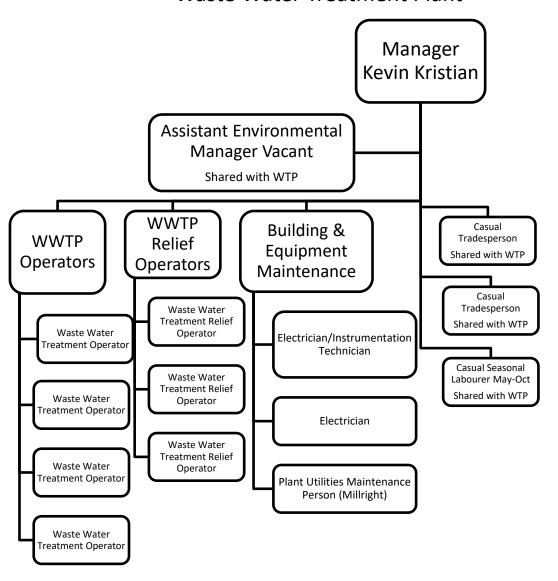
Winter Casual In Scope: 8.0

(FTE: Full Time Equivalent)

Water Treatment Plant

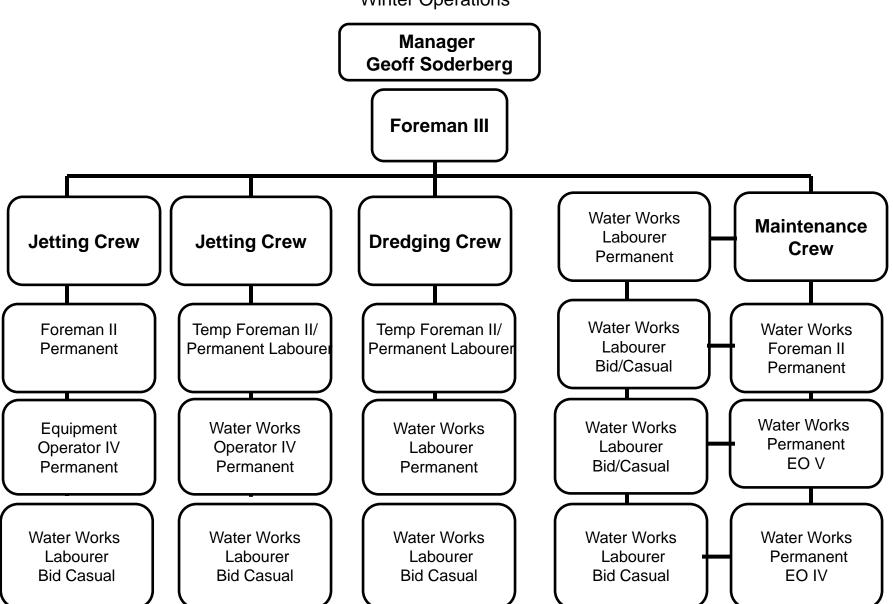


Waste Water Treatment Plant



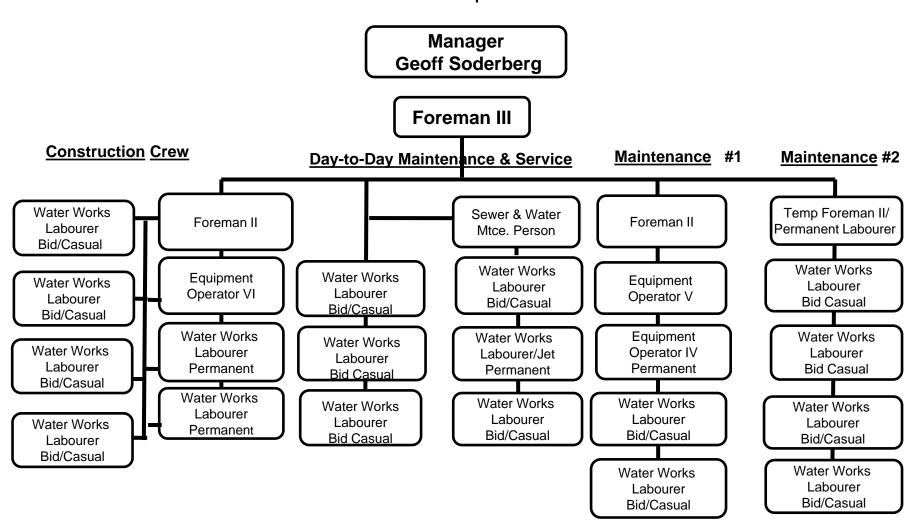
# Water & Sewer

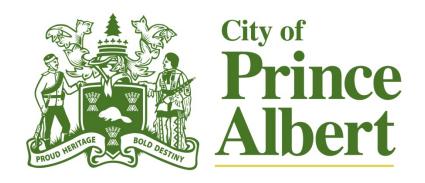
Winter Operations



# Water & Sewer

**Summer Operations** 





# APPENDIX F ADMINISTRATION REPORTS



#### RPT 19-563

**TITLE:** 2020 Proposed Water and Sewer Utility Rates and Fees

DATE: November 5, 2019

**TO:** Budget Committee

PUBLIC: X INCAMERA:

#### **RECOMMENDATIONS:**

1. That the 2020 Water and Sewer Utility Rates as presented in this report be approved; and,

2. That Administration forward the proposed Bylaw for the 2020 Water and Sewer Utility Rates and Fees to the December 9, 2019 City Council meeting for approval and three readings.

#### **TOPIC & PURPOSE:**

To provide the Budget Committee a breakdown of the proposed 2020 Water and Sewer Utility Rates and Fees relating to the 2020 Water Utility Fund Operating and Capital Budget.

#### **BACKGROUND:**

The 2020 Water and Sewer Utility Fund Operating and Capital Budget will be discussed at the November 21, 2019 Budget Committee Meeting.

The intent of this report is to provide a very detailed breakdown of the proposed 2020 Water and Sewer Utility Rates and Fees as they related to the presented Utility Fund Budget.

RPT 19-563 Page **2** of **15** 

#### PROPOSED APPROACH AND RATIONALE:

The utility rate structure is designed to cover the water and wastewater utilities' costs related to operations (treatment, storage, pumpage, and distribution/collection systems) and capital projects related to water quality, city growth, and regulatory requirements.

These are four titles located on our water bill related to water & sewer:

- Water Service
- 2. Sewage Treatment
- Water Capital Works
- 4. Sewer Capital Works

#### Water Service

This is the water consumption rate or volumetric charge. The amount charged is based on the amount of water consumed. You are charged for the amount of water you use. Metered Water Rate is per 100 cubic feet of the water you use.

#### Sewage Treatment

This charge is based on the amount of water consumed. This is the sewer consumption rate or volumetric charge. Metered Sewer Consumption Rate is per 100 cubic feet of the water you use.

#### Water Capital Works

The water capital works charge is a fixed meter charge that is a monthly flat charge. The amount charged monthly is reflected of the meter size to reflect the demand placed on the utilities. This charge is for the capital replacement of the water collection system.

#### Sewer Capital Works

The sewer capital works charge is a fixed meter charge that is a monthly flat charge. The amount charged monthly is reflected of the meter size to reflect the demand placed on the utilities. This charge is for the capital replacement of the waste water collection system.

RPT 19-563 Page **3** of **15** 

This report will provide a detailed breakdown of the increases to In-City Users and Consumers outside of the City's Corporate Limits.

#### PART I - IN-CITY USERS

#### 2020 Water Consumption Rate - In-City User

Water Consumption	Rate per 100 cubic	Increase
In-City User	feet	
Year 2013	\$2.78	
Year 2014	\$2.92	\$0.14
Year 2015	\$3.10	\$0.18
Year 2016	\$3.20	\$0.10
Year 2017	\$3.30	\$0.10
Year 2018	\$3.60	\$0.30
Year 2019	\$3.65	\$0.05
Year 2020 - Proposed	\$3.73	\$0.08

#### 2020 Sewer Consumption Rate - In-City User

Sewer Consumption In-City User	Rate per 100 cubic feet	Increase
Year 2016	\$3.05	
Year 2017	\$3.08	\$0.03
Year 2018	\$3.10	\$0.02
Year 2019	\$3.25	\$0.15
Year 2020 - Proposed	\$3.35	\$0.10

RPT 19-563 Page **4** of **15** 

#### Fixed Meter Charges

The fixed meter charges are charged monthly and are based on the size of the water meter.

#### **Water Monthly Fixed Charge**

Water Fixed Charge	2019 Rates	2020 Rates	
Meter Sizes	\$26.00	\$26.50	Monthly Increase
5/8 inches	\$26.00	\$26.50	\$0.50
3/4 inches	\$26.00	\$26.50	\$0.50
1 inch	\$36.40	\$37.10	\$0.70
1.5 inches	\$46.80	\$47.70	\$0.90
2 inches	\$75.40	\$76.85	\$1.45
3 inches	\$286.00	\$291.50	\$5.50
4 inches	\$364.00	\$371.00	\$7.00

# **Sewer Monthly Fixed Charge**

Sewer Fixed Charge	2019 Rates	2020 Rates	
Meter Sizes	\$24.00	\$24.75	Monthly Increase
5/8 inches	\$24.00	\$24.75	\$0.75
3/4 inches	\$24.00	\$24.75	\$0.75
1 inch	\$33.60	\$34.65	\$1.05
1.5 inches	\$43.20	\$44.55	\$1.35
2 inches	\$69.60	\$71.78	\$2.18
3 inches	\$264.00	\$272.25	\$8.25
4 inches	\$336.00	\$346.50	\$10.50

RPT 19-563 Page **5** of **15** 

#### Increase for Residential Users - Water and Sewer ONLY (5/8" or 3/4" Meter):

Below is the proposed increase to an average Residential User within the City's Corporate Limits:

<u>2019 RATES</u>	6,000	8,000	8,400	10,000	12,000
WATER CONSUMPTION	\$219.00	\$292.00	\$306.60	\$365.00	\$438.00
SEWER CONSUMPION	\$195.00	\$260.00	\$273.00	\$325.00	\$390.00
WATER FIXED	\$312.00	\$312.00	\$312.00	\$312.00	\$312.00
SEWER FIXED	\$288.00	\$288.00	\$288.00	\$288.00	\$288.00
TOTAL 2019	\$1,014.00	\$1,152.00	\$1,179.60	\$1,290.00	\$1,428.00
<u>2020 RATES</u>					
WATER CONSUMPTION	\$223.80	\$298.40	\$313.32	\$373.00	\$447.60
SEWER CONSUMPION	\$201.00	\$268.00	\$281.40	\$335.00	\$402.00
WATER FIXED	\$318.00	\$318.00	\$318.00	\$318.00	\$318.00
SEWER FIXED	\$297.00	\$297.00	\$297.00	\$297.00	\$297.00
TOTAL 2020	\$1,039.80	\$1,181.40	\$1,209.72	\$1,323.00	\$1,464.60
INCREASE	\$25.80	\$29.40	\$30.12	\$33.00	\$36.60
monthly	\$2.15	\$2.45	\$2.51	\$2.75	\$3.05
Percentage Increase	2.54%	2.55%	2.55%	2.56%	2.56%

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#### Increase for Residential Users - Includes the Sanitation Charge (5/8" or 3/4" Meter):

Below is the proposed increase to an average Residential User within the City's Corporate Limits, including the Sanitation Charge:

2019 RATES	6,000	8,000	8,400	10,000	12,000
WATER CONSUMPTION	\$219.00	\$292.00	\$306.60	\$365.00	\$438.00
SEWER CONSUMPION	\$195.00	\$260.00	\$273.00	\$325.00	\$390.00
WATER FIXED	\$312.00	\$312.00	\$312.00	\$312.00	\$312.00
SEWER FIXED	\$288.00	\$288.00	\$288.00	\$288.00	\$288.00
SANITATION FEE	\$219.00	\$219.00	\$219.00	\$219.00	\$219.00
TOTAL 2019	\$1,233.00	\$1,371.00	\$1,398.60	\$1,509.00	\$1,647.00
<u>2020 RATES</u>					
WATER CONSUMPTION	\$223.80	\$298.40	\$313.32	\$373.00	\$447.60
SEWER CONSUMPION	\$201.00	\$268.00	\$281.40	\$335.00	\$402.00
WATER FIXED	\$318.00	\$318.00	\$318.00	\$318.00	\$318.00
SEWER FIXED	\$297.00	\$297.00	\$297.00	\$297.00	\$297.00
SANITATION FEE	\$225.00	\$225.00	\$225.00	\$225.00	\$225.00
TOTAL 2020	\$1,264.80	\$1,406.40	\$1,434.72	\$1,548.00	\$1,689.60
INCREASE	\$31.80	\$35.40	\$36.12	\$39.00	\$42.60
monthly	\$2.65	\$2.95	\$3.01	\$3.25	\$3.55
Percentage Increase	2.58%	2.58%	2.58%	2.58%	2.59%

The sanitation charge as proposed in the 2020 Sanitation Fund Budget is increasing the monthly sanitation charge fee from \$18.25 to \$18.75 monthly. That is reflective above.

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#### Commercial User 1" Meter

As noted below, the increase to an average Commercial User is as follows:

1					
<u>2019 RATES</u>	60,000	75,000	80,000	85,000	95,000
WATER CONSUMPTION	\$2,190.00	\$2,737.50	\$2,920.00	\$3,102.50	\$3,467.50
SEWER CONSUMPION	\$1,950.00	\$2,437.50	\$2,600.00	\$2,762.50	\$3,087.50
WATER FIXED	\$436.80	\$436.80	\$436.80	\$436.80	\$436.80
SEWER FIXED	\$403.20	\$403.20	\$403.20	\$403.20	\$403.20
TOTAL 2019	\$4,980.00	\$6,015.00	\$6,360.00	\$6,705.00	\$7,395.00
<u>2020 RATES</u>					
WATER CONSUMPTION	\$2,238.00	\$2,797.50	\$2,984.00	\$3,170.50	\$3,543.50
SEWER CONSUMPION	\$2,010.00	\$2,512.50	\$2,680.00	\$2,847.50	\$3,182.50
WATER FIXED	\$445.20	\$445.20	\$445.20	\$445.20	\$445.20
SEWER FIXED	\$415.80	\$415.80	\$415.80	\$415.80	\$415.80
TOTAL 2020	\$5,109.00	\$6,171.00	\$6,525.00	\$6,879.00	\$7,587.00
INCREASE	\$129.00	\$156.00	\$165.00	\$174.00	\$192.00
monthly	\$10.75	\$13.00	\$13.75	\$14.50	\$16.00
Percentage Increase	2.59%	2.59%	2.59%	2.60%	2.60%

#### PART II – PRINCE ALBERT RURAL WATER

The Prince Albert Rural Water is charged a water consumption rate that is based on the formula identified in the Water Supply Agreement between the City and Prince Albert Rural Water.

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The water consumption rate for Prince Albert Rural Water will be:

Water Consumption  Rural Water	Rate per 100 cubic feet
Year 2017	\$3.64
Year 2018	\$3.70
Year 2019	\$3.77
Year 2020 - Proposed	\$3.98

<u>Fixed Water Meter Charge per User – Prince Albert Rural Water</u>

The Prince Albert Rural Water is charged a fixed water meter charge per user.

Rural Water & Trailer Courts	Monthly Water Service Charge
2014	\$18.48
2015	\$22.43
2016	\$24.64
2017	\$25.54
2018	\$28.60
2019	\$32.90
Year 2020 - Proposed	\$36.18

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The monthly water service charge applied to the Prince Albert Rural Water and the Trailer Courts is calculated based on equivalent number of customers as follows:

#### <u>Trailer Courts and Prince Albert Rural Water Users</u>

 based on the number of users/households "<u>outside</u> of the City of Prince Albert Corporate Limits" connected to the City's watermain system = Equivalent Customers

Equivalent Customers x \$ rate = Monthly Water Service Charge

In 2019, Prince Albert Rural Water has 1,200 users.

In 2019, the Trailer Courts had 187 users.

Based on the budgeted water consumption to be sold, the proposed increase for the Prince Albert Rural Water is approximately **7.90%**:

Prince A	<u>lbert Rura</u>	<u>l Water</u>

2019 - Water Consumption	11,200,000	\$0.0377	\$422,240.00	
2019 - Water Fixed	1,200	\$32.90	\$473,760.00	
		_	\$896,000.00	
2020 - Water Consumption	11,200,000	\$0.0398	\$445,760.00	
2020 - Water Fixed	1,200	\$36.18	\$520,992.00	
			\$966,752.00	
			\$70,752.00	Increase
				Percentage
			7.90%	Increase

#### PART III - OUTSIDE CONSUMERS - WATER AND SEWER CONSUMPTION

Consumers outside of the City's Corporate Limits are charged a different water and sewer consumption rate that in-City Users.

They are charged the In-City consumption rate x 160%.

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#### Outside Consumers consist of:

- Driftwood and Eastview Trailer Courts
- Saskatchewan Penitentiary
- Western First Nations Super 8 Motel
- Heartland Livestock Services
- Twilite Motel Inc.

The below users are charged the In-City Water Consumption Rate x 160% for the water consumption rate of \$5.97 per 100 cubic feet:

Water Consumption	Rate per 100 cubic feet
Outside Consumers – Year 2020	(160% x in-city water rate)
Trailer Courts	\$5.97
Sask Pen	\$5.97
Western First Nations – Super 8 Motel	\$5.97
Heartland Livestock Services	\$5.97
Twilite Motel Inc.	\$5.97

The below users are charged the In-City Sewer Consumption Rate x 160% for the water consumption rate of \$5.36 per 100 cubic feet:

Sewer Consumption	Rate per 100 cubic feet
Outside Consumers – Year 2020	(160% x sewer charge)
Western First Nations – Super 8 Motel	\$5.36
Twilite Motel Inc.	\$5.36
Trailer Courts	\$5.36
Sask Pen	\$5.36

NEW for 2020: Sask Pen and the Trailer Courts will be charged the sewer consumption rate for outside consumers – In-City rate x 160%. This results in an increase to those users.

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Based on the budgeted water consumption to be sold to the Trailer Courts, below is the proposed projection increase to the Trailer Courts:

Tuellan Carreta

<u>Trailer Courts</u>				
2019 - Water Consumption	1,100,000	\$0.0584	\$64,240.00	
2019 - Sewer Consumption	1,100,000	\$0.0325	\$35,750.00	
2019 - Water Fixed	187	\$32.90	\$73,827.60	
2019 - Sewer Fixed	187	\$24.00	\$53,856.00	
			\$227,673.60	
		<del>-</del>		
2020 - Water Consumption	1,100,000	\$0.0597	\$65,648.00	rate x 160%
2020 - Sewer Consumption	1,100,000	<mark>\$0.0536</mark>	\$58,960.00	rate x 160%
2020 - Water Fixed	187	\$36.18	\$81,187.92	
2020 - Sewer Fixed	187	\$24.75	\$55,539.00	
		_	\$261,334.92	
			\$33,661.32	Increase
				Percentage
			14.78%	Increase

# <u>PART IV - PROVINCIAL CORRECTIONAL FACILITIES AND FEDERAL INSTITUTIONS</u> (<u>PENITENTIARIES</u>)

The Budget Committee, at its meeting of November 21, 2018, approved the following motion relating the fixed service charges:

That the Provincial Correctional Facilities and Federal Institutions/Penitentiaries be charged the same Monthly Water and Sewer Service Charge applied to Consumers outside the City's Corporate limits for Fixed Rates per equivalent user.

As per approved motion of the Budget Committee, the water service fixed rate charge for 2020 for the Provincial Correctional Facilities and Federal Institutions is reflective of the same rate charged to the Prince Albert Rural Water and the Trailer Courts.

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The Provincial Correctional Facilities and Federal Institutions are charged the following water and sewer service charge per equivalent user:

Year	Monthly Water Service Charge	Monthly Sewer Service Charge
2015	\$24.83	\$21.38
2016	\$24.83	\$21.38
2017	\$25.00	\$22.00
2018	\$25.50	\$23.00
2019	\$32.90	\$24.00
Proposed – 2020	\$36.18	\$24.75

The Trailer Courts also pay the Monthly Sewer Service Charge of \$24.75 per equivalent user.

#### The calculation for the number of equivalent users is calculated as follows:

based on the number of inmates divided by 2.5 = Equivalent Customers

Equivalent Customers x \$ rate = Monthly Water Service Charge

Equivalent Customers x \$ rate = Monthly Sewer Service Charge

#### The number of inmates is provided and confirmed by the respective Institution:

	Confirmed Inmates	Calculation Average	# of Equivalent Customers
Sask Pen	748	2.5	299
Pine Grove	175	2.5	70
Provincial Jail	463	2.5	185

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#### Sask Pen Increase:

As the Saskatchewan Penitentiary is to be charged the Outside Consumer consumption rates, below is the proposed increase based on the budgeted water consumption to be sold:

Sask	Pen
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2019 - Water Consumption 2019 - Sewer Consumption 2019 - Water Fixed	4,400,000 4,400,000 299	\$0.0584 \$0.0325 \$32.90	\$256,960.00 \$143,000.00 \$118,045.20	
2019 - Sewer Fixed	299	\$24.00 <u> </u>	\$86,112.00 <b>\$604,117.20</b>	
2020 - Water Consumption	4,400,000	\$0.0597	\$262,592.00	rate x 160%
2020 - Sewer Consumption	4,400,000	<mark>\$0.0536</mark>	\$235,840.00	rate x 160%
2020 - Water Fixed	299	\$36.18	\$129,813.84	
2020 - Sewer Fixed	299	\$24.75	\$88,803.00	
			\$717,048.84	
			\$112 931 64	Increase

\$112,931.64	Increase
	Percentage
18.69%	Increase

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#### **COMPARISON TO OTHER CITIES**

Administration has reviewed in detail the proposed 2020 Water and Sewer Utility Rates and Fees to other Cities as follows:

Annual Consumption of 9,712 cubic feet / 275 cubic meters, 5/8 meter

	YEARLY	MONTHLY	
Humboldt	\$2,287	\$191	2019 Rates
Regina	\$1,818	\$151	2020 Rates
Regina	\$1,766	\$147	2019 Rates
North Battleford	\$1,549	\$129	2019 Rates
			2019 Rates - Monthly
Saskatoon	\$1,359	\$113	Billing
Moose Jaw	\$1,328	\$111	2019 Rates
Prince Albert	\$1,303	\$109	2020 Proposed Rates
Prince Albert	\$1,270	\$106	2019 Rates
Meadow Lake	\$1,173	\$98	2019 Rates

#### Notes:

City of North Battleford has an Underground Infrastructure Water and Sewer Fixed Monthly Charge.

City of Regina has a Storm Drainage Infrastructure Fee (daily charge).

City of Humboldt has a Storm Water Management Charge per meter, per month.

City of Saskatoon has an Infrastructure Charge. City of Saskatoon also has a three tier charge. Rate for the first 600 cubic feet, a different rate for the next 600 cubic feet and a third different rate for over 1,200 cubic feet. The below is based on monthly billing. City of Saskatoon also charges: Single Family Residential Properties - In 2019, single-family residential property owners are charged \$5.53 for their Storm Water Management Charge and \$3.38 per water meter for the FPP levy on their monthly utility statements.

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#### COMMUNICATION AND/OR ANNOUNCEMENT PLAN:

A report will be forwarded to the December 9, 2019 City Council meeting with the proposed Bylaw reflecting the 2020 Water and Sewer Utility Rates and Fees for approval and three readings, to ensure that the rates are effective January 1, 2020.

#### FINANCIAL IMPLICATIONS:

Please note that the recommended rate increases are required to ensure that sufficient funds exist to cover annual operating costs and capital costs for 2020 as identified in the 2020 Water and Sewer Utility Fund Budget.

#### OTHER CONSIDERATIONS/IMPLICATIONS:

There are no options to recommendation, official community plan, policy or privacy implications at this time.

#### STRATEGIC PLAN:

Infrastructure – Sustainable plan for the replacement of aging infrastructure in the City.

#### **PUBLIC NOTICE:**

Public Notice pursuant to the Public Notice Bylaw No. 24 of 2015 is not required.

**PRESENTATION:** The Director of Financial Services will be providing a Presentation regarding the proposed 2020 water and sewer utility rates at the Budget Committee meeting.

ATTACHMENT: N/A

Written by: Jim Toye, City Manager

Approved by: City Manager