

# Overview

*Public Works*

## Maintenance and Operation of Municipal Infrastructure

- Roads, sidewalks, bridges, traffic control, walkways, parking lots
- Storm water system
- Water distribution systems – domestic , agricultural, reclaimed
- Dams - 6 active dams
- Sewer collection system
- Sewage residual compost operation
- Solid Waste and Recycle Collection
- Fleet Maintenance and support for vehicles and equipment for the City, RDOS and RCMP
- Parks / Water Front / Sports Field Maintenance
- Maintenance of City Cemeteries



# 2019 Achievements

- ✓ Restructured the Works Branch
- ✓ Restructured the Fleet Branch
- ✓ Completed the Sewer Residuals Management Plan
- ✓ Successfully managed the 2019 Drought Conditions
- ✓ Implemented the Clean Team Year Round
- ✓ Implementation of Parks and Recreation Advisory Committee
- ✓ Completion of the Robinson Property Park Master Plan
- ✓ Commenced with the Design and Consultation of the Agricultural Irrigation Servicing
- ✓ Implemented a long term Transit Advertising Contract

# Challenges & Opportunities

- **Sanitary Sewer Plant Residuals Management** – The plan is now complete recommending an enclosed compost facility. Opportunity to work with RDOS to develop a regional solution will be looked at in 2020.
- **Dam Safety Compliance** - Costly upgrades to the dams in the Ellis System are required, alternatives are being investigated to find an alternate cost effective solution
- **Parks and Recreation Master Plan** - Our staff will work with Advisory Committee to prioritize Master Plan projects.
- **Asset Management** - The newly created structure of Public Works is such that staff will be able to support the development of the Asset Management Program.



# Innovations & Cost Savings

*Public Works*

- Hot Mix Paving – Winter Maintenance - Efficiency and Cost Savings
- Crew Scheduling – Efficiency
- Snow and Ice Control – Revisions – Efficiency and Cost Savings
- Water Services material changed from copper to plastic – Cost Savings
- Design of new Agricultural Irrigation Service Boxes - Efficiency
- Fleet Service – computers installed at each work station – Efficiency
- Re-profiled vacant Parks position – Efficiency
- Started the clean up of Airport Beach early – Cost Savings
- Changed the way we remove water equipment – Efficiency
- Promoted Adopt a Park Program – Cost Savings



# 2020 Initiatives

- Sanitary Sewer Residuals Management – Opportunities & Design
- Ellis 4 Dam - Dam Safety Compliance
- Continue with the progressive development of the newly structured Public Works and Fleet Departments
- Continuous development and refinement of levels of service and standards for municipal infrastructure maintenance



# Staffing

*Public Works*

2019

2020

47

47



# 2020 Budget – Operating

## *Roads and Maintenance*

	2019 Budget	2019 Forecast	2020 Budget	Variance
Expense	1,651,851	1,674,659	1,773,750	5.9%
Net Cost Allocations	<u>209,441</u>	<u>216,089</u>	<u>253,003</u>	
<b>Net Expense/(Revenue)</b>	<b>1,861,292</b>	<b>1,890,748</b>	<b>2,026,753</b>	



Note: Variance column represents change between 2019 Forecast and 2020 Budget



# 2020 Budget – Operating

## *Solid Waste*

	2019 Budget	2019 Forecast	2020 Budget	Variance
Revenue	(2,529,717)	(2,565,600)	(2,611,192)	1.8%
Expense	1,815,774	1,794,157	1,894,775	5.6%
Net Cost Allocations	<u>64,200</u>	<u>64,200</u>	<u>51,254</u>	
<b>Net Expense/(Revenue)</b>	<b>(649,743)</b>	<b>(707,243)</b>	<b>(665,163)</b>	

Note: Variance column represents change between 2019 Forecast and 2020 Budget





# 2020 Budget – Operating

*Cemetery*

	2019 Budget	2019 Forecast	2020 Budget	Variance
Revenue	(345,000)	(371,000)	(337,000)	-9.2%
Expense	183,300	190,600	223,800	17.4%
Net Cost Allocations	<u>91,700</u>	<u>91,700</u>	<u>92,480</u>	
<b>Net Expense/(Revenue)</b>	<b>(70,000)</b>	<b>(88,700)</b>	<b>(20,720)</b>	

Note: Variance column represents change between 2019 Forecast and 2020 Budget



# 2020 Budget - Operating

## *Storm Water*

	2019 Budget	2019 Forecast	2020 Budget	Variance
Revenue	(367,000)	(362,104)	(558,000)	54.1%
Expense	246,900	242,805	191,401	-21.2%
Transfers	-	-	45,018	
Net Cost Allocations	<u>178,400</u>	<u>178,400</u>	<u>321,581</u>	
<b>Net Expense/(Surplus)</b>	<b>58,300</b>	<b>59,101</b>	<b>-</b>	



Note: Variance column represents change between 2019 Forecast and 2020 Budget



# 2020 Budget - Operating

## *Water Distribution*

	2019 Budget	2019 Forecast	2020 Budget	Variance
Revenue	(10,000)	(10,000)	(10,000)	0.0%
Expense	<u>877,700</u>	<u>911,665</u>	<u>972,615</u>	6.7%
<b>Net Expense/(Revenue)</b>	<b>867,700</b>	<b>901,665</b>	<b>962,615</b>	

Note: Variance column represents change between 2019 Forecast and 2020 Budget



# 2020 Budget - Capital

## *Water Distribution*

Project description	Budget	Comments
Ellis 4 Dam - Consulting and Upgrades	200,000	To be added to the 2019 carryforward amount for the design of the Ellis 4 Dam upgrades
Ellis Creek Diversion Dam - Consulting & Upgrades	150,000	Replacement of the bridge that provides access to the Ellis Creek Diversion Dam
City Yards - FOB Safety System	10,000	A portion of the budget for the City Yards Access Gate
Irrigation Meter Program	<u>140,000</u>	Ongoing program to install new service box complete with meters on the irrigation system
<b>Total</b>	<b>500,000</b>	



# 2020 Budget - Operating

## *Sewer Collection*

	2019 Budget	2019 Forecast	2020 Budget	Variance
Revenue	(10,000)	(10,000)	(5,000)	-50.0%
Expense	<u>756,420</u>	<u>695,675</u>	<u>752,584</u>	8.2%
<b>Net Expense/(Revenue)</b>	<b>746,420</b>	<b>685,675</b>	<b>747,584</b>	



# 2020 Budget – Capital

## *Sewer Collection*

Project description	Budget
City Yards - FOB Safety System	10,000



# 2020 Budget – Operating

*Parks*

	2019 Budget	2019 Forecast	2020 Budget	Variance
Expense	2,086,985	2,067,860	2,177,322	5.3%
Net Cost Allocations	<u>579,384</u>	<u>575,915</u>	<u>581,980</u>	
<b>Net Expense/(Revenue)</b>	<b>2,666,369</b>	<b>2,643,775</b>	<b>2,759,302</b>	



# 2020 Budget – Capital

*Parks*

Project description	Budget	Comments
Beach Slides	16,000	Replacement of 2 aging Beach Slides
Marina Way Park - Pedestrian Access	10,000	West parking lot - improvements to the pedestrian access
Parkway 2 - raise outfield fences	90,000	Installation of a 12 meter high netting to improve safety
Irrigation Upgrades	<u>150,000</u>	Replacement of Kings Park 3 & 4 Irrigation System
<b>Total</b>	<b>266,000</b>	





# 2020 Budget – Operating

*Fleet*

	2019 Budget	2019 Forecast	2020 Budget	Variance
Revenue	(2,124,850)	(2,124,850)	(2,199,450)	3.5%
Expense	2,646,136	2,632,249	2,773,775	5.4%
Net Cost Allocations	<u>(581,333)</u>	<u>(581,333)</u>	<u>(640,370)</u>	
<b>Net Expense/(Revenue)</b>	<b>(60,047)</b>	<b>(73,934)</b>	<b>(66,045)</b>	



# 2020 Budget – Capital

Project	Budget	Comments
Shop Equipment	34,500	Replacements: Hoist, Tire Machine, Misc Tools
Tandem Dump (replacing unit #43)	185,000	Replacement of 2008 Tandem Dump
Utility Service Truck (replacing unit #51)	150,000	Replacement of 2006 Service Truck
Mower 16' (replacing unit #70)	150,000	Replacement of 2012 Mower
Backhoe (replacing unit #58)	125,000	Replacement of a 2013 Backhoe
Small Equipment and Attachments	101,450	Replacements: Flail Mower, Sander Unit, Aerator, Small Tractor, Misc Parks Equipment
5 Light Duty Vehicles (Pick Ups and Cars) *	204,000	Replacements: 2 - 1/2 Ton PU, 1-1 Ton PU, 2 - Cars or Small SUV (Electric or Hybrid will be considered)
Pumper/Rescue Combination Truck (replacements)	990,000	Replacement of 2 existing fire apparatus units
Fire 3/4 Ton 4x4 (Gen cap)	60,000	New truck for Fire Chief
Public Works Equipment	<u>110,000</u>	New anti-icing spray system, road painting unit, wing plow for 1 ton truck, asphalt patch machine
<b>TOTAL</b>	<b>2,109,950</b>	

\*Note: \$40K funded from Electrical Utility for new vehicle



# Deferred Capital Projects

*Parks/Cemetery*

Project Description	\$ Amount
Lakeview Cemetery Irrigation Upgrade	60,000
Robinson Park – 4 Pickleball Courts	150,000
Robinson Park – Revitalization, walkway	25,000
Sports Courts - Increase Multi Use McLaren Basketball	5,000
Sportsfield Fencing Improvements, backstops	60,000
Stocks Court - Pathway Construction	80,000



# Notice of Motion 448/2019 – Food Waste Management and Composting

## Staff Recommendation

- Stay the Course with the RDOS to find a solution.
  - The RDOS has been working on a strategy to address Organic Waste Management since 2010.
  - Numerous engineering and feasibility studies have been conducted. Presently the RDOS is contemplating the use of the Campbell Mountain Landfill and/or adjacent lands that may be suitable to facilitate the construction of a regional compost facility. This facility may be suitable for both organic and sewer sludge composting.
  - Nothing contained in the proposed 2020 budget

## Alternate Option

- City Feasibility Study, Siting and Design for a Facility to Address Organics and bio-solids (\$400,000)
  - This site could be operated by the City of Penticton or contracted to a private operator.
  - The costs of designing and constructing a facility to address organic and bio-solids will be significant. The operating costs are not currently known.



# Notice of Motion 449/2019 – Bus Stops and Intersection Snow Clearing

## Staff Recommendation

- No recommended course of action.
  - No Addition funding in the proposed 2020 budget.

## Transit Stops

- Enhanced level of service for Snow and Ice Control at all 271 transit stops (the City currently addresses 35 transit shelters).
  - Additional equipment will need to be purchased at an estimated capital cost of \$165,000
  - Annual snow and ice control operating budget will need to be increased by \$80,000.

It should be noted that this equipment does have other summer uses that will increase the utilization of the equipment and may result in other efficiencies in conducting other tasks.



# Notice of Motion 449/2019 – Bus Stops and Intersection Snow Clearing

## Intersections

- Enhanced level of service for Snow and Ice Control at the intersections in the downtown core and along Main Street
  - Additional equipment will need to be purchased at an estimated capital cost of \$165,000 if Council approves the Enhanced Transit Stop Snow and Ice Control
  - Additional equipment will need to be purchased at an estimated capital cost of \$330,000 if Council does not approve the Enhanced Transit Stop Snow and Ice Control
  - Annual snow and ice control operating budget will need to be increased by \$22,500.

It should be noted that this equipment does have other summer uses that will increase the utilization of the equipment and may result in other efficiencies in conducting other tasks.

## Overall

- Will require \$22,500 - \$102,500 operating budget if alternatives selected should Council direct staff to proceed on this motion.
- Will require \$165,000 - \$330,000 in Capital budget to proceed on this motion



# Questions



**THAT Council approve in principle the Public Works business plan initiatives and proposed budget, subject to final review.**

