SPECIAL COUNCIL MEETING FOR BUDGET PURPOSES

Monday, February 4, 2019 at 1:00 PM
Fraser River Presentation Theatre
4th Floor, 20338 – 65 Avenue, Langley, BC

AGENDA

A. ADOPTION AND RECEIPT OF AGENDA ITEMS

A.1 **Special Council Meeting for Budget Purposes Agenda - February 4, 2019**

Recommendation: That Council adopt the agenda and receive the agenda items of the Special Council Meeting for Budget Purposes held February 4, 2019.

B. PRESENTATIONS

B.1 **2019 Draft Operating and Capital Budget Presentation**

Recommendation: That Council receive the presentation by staff regarding the 2019 Draft Operating and Capital Budget.

Attachments: B.1 Draft 2019 Operating and Capital Budget Package V4.pdf

C. OTHER BUSINESS

D. TERMINATE

Township of Langley

Est. 1873

M E M O R A N D U M

TO:	MAYOR AND COUNCIL	**DATE:**	FEBRUARY 4, 2019
FROM:	SAMUEL NAM DEPUTY DIRECTOR OF FINANCE	**FILE NO:**	1700-60
SUBJECT:	DRAFT 2019 OPERATING AND CAPITAL BUDGET OVERVIEW		

Please find attached, for Council consideration, a ***Draft*** 2019 Operating and Capital Budget package in support of an *Overview Presentation* scheduled for Monday, February 4, 2019, at 1:00pm, in a budget workshop format.

The attached budget package includes:

User Pay Utilities:

- Draft Power Point Presentation[1]
- Summary of 2019 – 2023 Operating Schedule by Utility
- Non-Discretionary and Discretionary Requests

Universal Services:

- Draft Power Point Presentation[1]
- Summary of 2019 – 2023 Operating Schedules by Division
- Non-Discretionary and Discretionary Requests

Capital

- Summary of 2019 Capital Requests (by area)
- Project sheets describing each 2019 capital request

DISCUSSION

OPERATING BUDGETS

User Pay Utilities include those municipal services that are paid for only by residents subscribing to the service. Township User Pay Utilities are Water, Sanitary Sewer and Solid Waste (garbage collection) services.

[1] Draft Power Point Presentations have been provided to assist in summarizing the details provided in the Divisional budget packages. As staff continue to refine the presentations, they may change.

The table below shows a comparison of 2018 User Pay Utility rates to Draft 2019 Proposed User Pay Utility rates. Some of the more significant items contributing to the increases are highlighted below.

Table 1 – Rate Change Comparisons (2018 versus 2019):

	WATER	***SEWER***	***SOLID WASTE***
2018	*1.25%*	*2.85%*	*0.00%*
2019	***4.90%***	***10.79%***	***15.70%***

Water Utility

Greater Vancouver Water District (GVWD) Amending Agreement for Jericho Reservoir Phase II

For 2019 (and each of the four years 2020 to 2023), an incremental increase of $818,314 starting in 2019 and compounding in each of the four following years has been included in the Draft 2019 Water Utility budget. The increase is pursuant to Council Report 18-102, July 9, 2018, Greater Vancouver Water District (GVWD) Amending Agreement for Jericho Reservoir Phase II. By the fifth year, the increases will result in a base budget of $4.1 million in 2023, in time to make the first of three agreed upon payments to GVWD and thereafter a payment in each of 2024 and 2025.

The amendment locks in the Township's obligation from a 1989 agreement to $12.275 million, to be paid in $4.1 million instalments in each of 2023, 2024, and 2025. The project is not scheduled to go to construction until approximately 2037. By agreeing to pay these amounts in advance, the Township eliminates the risk of cost escalations and potential overruns in 2037. The City of Surrey is a partner to this project and have also signed such an amending agreement.

Water Discretionary Items

After adding other Non-discretionary Water increases and the following Discretionary increases, the Draft budget being requested for 2019 represents a **4.9%** increase in User Fees over 2018.

Discretionary requests across the Water and Sewer Utility include:

- An *Environmental Coordinator II* funded 80% from internally reallocated resources (in Water and Sewer) with a request that the final 20% be funded from User Fees.
- An *Engineering in Training* funded across Water, Sewer, Transportation and Storm.

Sewer Utility

Greater Vancouver Sewerage and Drainage District (GVS&DD) Liquid Waste

For 2019, the Greater Vancouver Sewerage and Drainage District requires an increase of $2.0 million for the Township's share of Liquid Waste. The total GVS&DD budget for 2019 will

increase to $9.3 million, from $7.3 million in 2018 (27.8%) (Appendix A). This increase alone is responsible for a 12.87% increase in Sanitary Sewer User Fees. After factoring in excess revenue from growth received in 2018 and new growth anticipated for 2019, and adding in Sewer's equal share of the Discretionary increases shown in the Water summary above, the Draft Sanitary Sewer budget request for 2019 currently stands at a **10.79%** user fee revenue increase.

Solid Waste Utility

Solid Waste Garbage/Organics Collection and Disposal Contract

The Solid Waste (garbage collection) Utility will complete its third year with the new semi-automatic collection process, which includes household base rates and cart rates (based on size). As a result of a 2018 decision to participate in the Recycle BC initiative, the Township has extended its contract from three years remaining to ten years (an additional seven years) for recycling, garbage and organics. Negotiations have concluded and the cost, as estimated in Council Report 18-05, March 5, 2018[2], have now been determined to be $935,700. This represents a one time increase in the Solid Waste budget of 13.6%.

Other non-discretionary items for Solid Waste have been included bringing the total percentage increase requested for 2019 to **15.70%**.

Please see the budget package for a more detailed breakdown of items above, all of which *are included* in the Rate Change Comparison presented in Table 1.

Universal Services reflects those municipal services that are shared and paid for by all residents within the Township of Langley. Property taxes to cover these services are raised based on the general property assessment base. Universal Services includes Parks, Transportation, Stormwater, Protective Services (Fire and Police), Recreation and Culture, Facilities and General Government (Mayor and Council, Corporate Administration, Community Development, Finance, and Human Resources).

Last year's 2018 Operating Budget included, after growth, a Council approved property tax increase of **2.47%.** Of that increase, 0.52% was allocated for discretionary items. The remaining 1.95% represented non-discretionary items needed to maintain existing service levels.

This year's 2019 (Draft) Operating Budget, after growth, and factoring in all resourcing requests, is currently **7.47%.** Of that total, 2.35% represents discretionary requests for Council consideration. The remaining 5.12% represents 'base' non-discretionary items needed to maintain existing service levels.

Base property tax changes, expressed as a percentage, reflects adjustments to cover projected salary and wage increases, contractual cost increases including the policing contract, integrated teams, service and maintenance contracts, utilities (gas, diesel, electricity, etc.), the operating impact of capital and revenue adjustments.

[2] Costs estimated in Report 18-05, March 5, 2018 were $700,000 to $900,000

As with User Pay Utilities, the above adjustments are referred to as *non-discretionary* as they are either passed on to the Township by another level of government (i.e. RCMP, BC Hydro) and/or they are required to simply maintain existing services levels.

Major contributors to the **5.12%** base increase are:

- Salary and Wage - Contract Provisions 1.29%
- Salary and Wage – Employer Health Tax 1.22%
- Salary and Wage – Steps/Increments and Other 0.61%
- Facility Contract Costs 0.57% and ACUCC 0.42%
- RCMP Contract 0.46% and Annualize 4 Members Hired Oct 1/18 0.40%
- Operating Impact of Township Capital 0.42% and Development 0.33%
- Capital Infrastructure Renewal and Replacement Reserve 0.39%
- Service Maintenance Contracts – Other 0.39%
- Parks, Roads and Storm Contract Increases 0.29%
- Fuel, Equipment and Vehicle Costs 0.24%
- Supplies and Other 0.22%
- Communication and Technology 0.17%
- General Revenue Increases (0.80%)
- Property Tax Revenue from Growth (1.50%)
  Increase in Non-Discretionary Expenses net of Revenue and Growth 5.12%

Requests resulting in a property tax increase *beyond the base* are listed below:

- Contribution to Capital - Roads 0.39%
- Contribution to Capital - Facilities 0.36%
- Contribution to Capital - Parks 0.32%
- Engineering Positions 0.18%
- Community Development Positions 0.04%
  (Positions 0.30% net of Dev Rev (0.26%))
- RCMP, 3 Members, January 1st 0.41%
- Other Salary and Wage Items 0.65%
- **Increase in Discretionary Expenses net of Development Revenue Increase 2.35%**

Total Increase, Base plus Discretionary Items 7.47%

Appendix B includes an orientation of the color-coding used in the budget package.

CAPITAL BUDGETS

The 2019 Capital Budget is the first year of a five-year financial plan for investments in our township's facilities and infrastructure. All Township services, from parks and community facilities, to streets, sidewalks, water and sanitary sewer, require buildings and other infrastructure to support them.

The capital program is partially funded from General and Utility Fund revenues with the majority of funding coming from sources such as reserves and surplus, development cost charge receipts, senior government grants, local area service funds and, as a last resort, from debt financing.

Annual Operating Contribution to Capital

For purposes of this preliminary review by Council, staff have maintained the annual operating contribution to capital at 2018 levels.

Staff has included requests for increases in the operating contribution to capital for Council consideration in the 2019 Operating Budget.

Reserves and Surpluses

With a few exceptions, the Township operating budget does not include budgeted transfers to capital reserves. Most increases in capital reserves come from capital surpluses (capital projects that come in under budget) or operating surpluses generated that are over the minimum balances required for working capital. Operating surpluses, also known as 'Prior Year Surplus' (PYS) are used to fund high priority capital projects for which no other funding source exists and before borrowing is considered.

Operating surpluses can materialize because of higher than anticipated revenue and/or lower than anticipated expenditures. If a spike in revenue or a drop in expenditures is deemed ongoing or sustainable, adjustments to the budget for those items will be recommended thereby reducing the potential for surplus from that source in the future. Each year, staff undertakes a forecasting exercise in the fall to estimate how much in the way of PYS will be available to fund high priority capital projects and one-time operating projects like studies or reviews.

Development Cost Charges (DCC)

Projects eligible for DCC funding are included as 'Inside the Funding Envelope'. Whether or not a project can go ahead in a given year will depend on development and construction activity and the respective balances of individual DCC reserves. Staff regularly confirm availability of DCC funds throughout the year before starting each new DCC-funded project.

Borrowing or Debt Funding

Before staff recommend a capital project(s) for debt financing, they will have exhausted all other sources of funding. This is why borrowing is considered a last resource funding option.

A major factor contributing to the need to borrow has been the rising cost of construction in recent years, which has depleted funding sources such as surpluses and reserves.

While staff have not recommended borrowing as part of the preliminary budget submission, it should be noted that $1 million of annual debt servicing will support approximately close to $14 million in debt funding. The current interest rate for a 20-year loan through the Municipal Finance Authority is currently 3.5%.

In situations when debt financing is contemplated, it is desirable to borrow for projects that are Development Cost Charge eligible and or repayable from Utility User Fees. Debt repayable from Property Tax is a last resort.

Ranking Guideline

To assist Council in their decision-making, all Capital projects have been ranked by project managers and reviewed by their respective Director or General Manager. Managers used a guideline that included critical, high, medium and low. Most projects funded from available sources ranked high and/or critical. When a project was ranked high or critical and had no identifiable funding source, it was prioritized against other unfunded high priority projects for funding from Prior Year Surplus (PYS), and other reserves and surpluses on a Township wide basis.

Projects Inside and Outside of Available Funding Sources

The format of the presentation will be to show projects currently ***Inside*** available funding sources on the top half of the page and projects currently ***Outside*** available funding sources on the bottom half.

Next Steps

February 5, 6, 7, 8, 9 – Potential Follow-up dates to be determined, if required

February 11, 2019 – Draft 2019 Capital & Operating Budget Discussion (Q&A)

February 19th and 20th – Open Houses

Sincerely,

Samuel Nam

Deputy Director of Finance

Appendix A - 2019 Summary of Annual Municipal Levies and Other Charges
Appendix B - Budget Package Color-Coding Orientation

TABLE OF CONTENTS

	Page #
OPERATING BUDGETS	
User Pay Utilities	33
Water	57-60
Sanitary Sewer	61-64
Solid Waste	65-66
Universal Services	67
Parks	99-106
Transportation	107-116
Stormwater	117-124
Fire	125-126
Police	127-130
Recreation & Culture	131-138
Facilities	139-142
Corporate Administration	143-150
Human Resources	151-154
Finance	155-158
Community Development	159-162
Fiscal/Other	163-166

TABLE OF CONTENTS (Continued…)

	Page #
CAPITAL BUDGETS	
Water	167-196
Sanitary Sewer	197-224
Solid Waste	225-228
Parks	229-278
Transportation	279-330
Fleet	331-358
Stormwater	359-386
Fire	387-394
Police	395-400
Recreation & Culture	401-410
Facilities	411-484
Airport	485-492
Information Technology	493-508
Fiscal/Other	509-524

Appendix A

2019 Summary of Annual Municipal Levies and Other Charges

METRO VANCOUVER DISTRICTS
Provisional 2018 Summary of Annual Municipal Levies, Water Sales and Other Charges

	Municipal Levies						Sewerage & Drainage Levy	
	Regional District (Other)	% CHANGE OVER 2017	*Collective Bargaining Services*	% CHANGE OVER 2017	*Compensation Services*	% CHANGE OVER 2017	Liquid Waste Services	% CHANGE OVER 2017
Abbotsford	$ 973,108	15.2%	$ -	-	$ -	-	$ -	-
Anmore	264,674	1.2%	-	-	-	-	-	-
Belcarra	145,606	2.9%	-	-	-	-	-	-
Bowen Island	98,846	14.5%	-	-	-	-	-	-
Burnaby	5,521,711	14.6%	-	-	-	-	23,996,727	6.6%
Coquitlam	2,474,574	14.7%	64,370	(2.1%)	60,380	(12.6%)	12,225,909	8.8%
Delta	2,200,604	14.6%	84,286	(14.7%)	31,119	(20.0%)	7,463,646	0.8%
Langley, City	391,727	14.5%	22,191	(5.1%)	4,645	(42.8%)	1,980,887	5.6%
Langley, Township	2,068,883	14.7%	51,447	0.6%	33,906	14.5%	7,290,567	12.6%
Lions Bay	42,871	14.5%	8,898	(3.9%)	-	-	-	-
Maple Ridge	1,019,368	14.5%	37,083	(5.4%)	26,939	(12.4%)	6,784,422	9.0%
New Westminster	1,060,417	14.5%	70,020	(18.1%)	39,479	30.8%	8,064,575	4.1%
North Vancouver, City	1,207,658	14.6%	46,131	(1.3%)	39,944	9.2%	5,775,517	8.7%
North Vancouver, District	2,263,459	14.5%	59,268	(4.7%)	35,764	31.1%	9,769,522	7.7%
Pitt Meadows	260,260	14.2%	19,244	(10.6%)	22,294	125.9%	1,385,888	3.1%
Port Coquitlam	933,982	14.5%	32,580	(0.1%)	14,863	82.9%	5,108,311	5.7%
Port Moody	585,452	14.4%	56,829	11.0%	-	-	2,445,992	(2.5%)
Richmond	5,353,675	14.8%	102,068	(8.6%)	6,502	40.0%	21,190,594	3.0%
Surrey	7,426,118	14.6%	-	-	-	-	40,146,469	9.4%
Tsawwassen First Nation	86,371	14.9%	-	-	-	-	-	-
Vancouver	21,603,943	14.1%	-	-	-	-	68,562,462	13.2%
West Vancouver	2,474,126	14.7%	86,057	(4.7%)	32,513	21.8%	6,405,702	6.6%
White Rock	432,324	14.6%	23,173	(2.3%)	11,612	5.3%	1,543,373	5.6%
Electoral Area A	800,943	8.9%	-	-	-	-	506,796	18.1%
Sub-total	59,690,700	14.3%	763,645	(6.1%)	359,960	8.8%	230,647,359	8.7%
Non-members	-	-	-	-	-	-	1,487,258	(8.9%)
TOTAL	$ 59,690,700	14.3%	$ 763,645	(6.1%)	$ 359,960	8.8%	$ 232,134,617	8.5%

Appendix B

Budget Package Color-Coding Orientation

When a row within the summary if highlighted **Green**, it means it is offset by an equal and opposite item elsewhere on the summary. These items do not impact property taxes or user rates.

Township of Langley
FIVE YEAR OPERATING PLAN
CORPORATE ADMINISTRATION - NON-DISCRETIONARY ADJUSTMENTS

	2018	2019	2020	2021	2022
REVENUE (Non-Tax)					
RENTALS & LEASES					
- Remove Bedford House Revenue	53,000	-	-	-	-
OTHER REVENUE					
- Reduce Film Revenue	15,000				
EXPENSE					
TRANSFER TO RESERVES					
- Remove Bedford House Transfer to Reserve	(53,000)	-	-	-	-
- Reduce Transfer to Film Revenue	(15,000)	-	-	-	-
	$ -	$ -	$ -	$ -	$ -

When rows within the summary are highlighted **Brown**, it means they are offset across the Township as a whole. It the offset crosses between a Universal Services tax supported division and a User Pay Utility, there will be an impact to revenue requirements in both.

Township of Langley
FIVE YEAR OPERATING PLAN
WATER UTILITY - NON-DISCRETIONARY ADJUSTMENTS

INTERNAL CHARGES & RECOVERIES					
- Administrative overhead	(6,046)	4,863	62,319	80,289	89,306

When a row within the summary if highlighted **Blue**, it means it is an expenditure item carried forward from a previous year (i.e. an operating project not complete) or a one-time item like a Study or a Review being requested in 2019 from one-time funds (Prior Year Surplus). During the budget presentation, a summary of One-Time Projects and Carry Forward Projects will be provided.

Township of Langley
FIVE YEAR OPERATING PLAN
CORPORATE ADMINISTRATION (without Airport) - NON-DISCRETIONARY ADJUSTMENTS

	2019	2020	2021	2022	2023
REVENUE (Non-Tax)					
TRANSFER FROM OWN FUNDS					
- 2018 One-Time Program CFWDs - Prior Year Surplus	(540,106)	540,106	-	-	-
EXPENSE					
SALARY, WAGES & BENEFITS					
- 2018 One-Time Program CFWDs	154,322	(154,322)	-	-	-
SERVICE AND MAINTENANCE CONTRACTS					
- 2018 One-Time Program CFWDs	81,400	(81,400)	-	-	-
CONSULTING AND LEGAL SERVICES					
- 2018 One-Time Program CFWDs	133,000	(133,000)	-	-	-
EQUIPMENT & VEHICLE RENTAL					
- 2018 One-Time Program CFWDs	8,600	(8,600)	-	-	-
COMMUNICATION AND TECHNOLOGY					
- 2018 One-Time Program CFWDs	68,472	(68,472)	-	-	-
MATERIALS & SUPPLIES					
- 2018 One-Time Program CFWDs	94,312	(94,312)	-	-	-
NET NON-DISCRETIONARY ADJUSTMENTS	-	-	-	-	-

When a row within the summary if highlighted Pink, it means it is an Operating Budget Impact (OBI) of Capital Construction or a Development constructed asset turned over to the Township for operations and maintenance. During the budget presentation, a summary of OBI projects will be provided and is included in the presentation attached.

Township of Langley
FIVE YEAR OPERATING PLAN
PARK OPERATIONS - NON-DISCRETIONARY ADJUSTMENTS

	2019	2020	2021	2022	2023
REVENUE (Non-Tax)					
EXPENSE					
SALARY, WAGES & BENEFITS					
- Operating Impact from Development Capital Works	73,317	-	-	-	-
- Operating Impact from ToL Capital Construction	158,722	7,000	7,000	7,000	7,000
SERVICE AND MAINTENANCE CONTRACTS					
- Operating Impact from Development Capital Works	26,718	-	-	-	-
- Operating Impact from ToL Capital Construction	51,119	3,800	3,800	3,800	3,800
EQUIPMENT & VEHICLE RENTAL					
- Operating Impact from Development Capital Works	33,411	-	-	-	-
- Operating Impact from ToL Capital Construction	73,635	3,490	3,490	3,490	3,490
MATERIALS & SUPPLIES					
- Operating Impact from Development Capital Works	29,095	-	-	-	-
- Operating Impact from ToL Capital Construction	64,539	1,510	1,510	1,510	1,510
UTILITY USER FEES					
- Operating Impact from Development Capital Works	918	-	-	-	-
- Operating Impact from ToL Capital Construction	12,171	-	-	-	-
	523,645	15,800	15,800	15,800	15,800

A purple row highlights a new major net cost item. For 2018 and 2019, that item is the Aldergrove Credit Union Community Centre. The sample below is highlighting costs in Facilities.

Township of Langley
FIVE YEAR OPERATING PLAN
FACILITY MAINTENANCE - NON-DISCRETIONARY ADJUSTMENTS

	2018	2019	2020	2021	2022
EXPENSE					
SALARY, WAGES & BENEFITS					
- ACUCC Salaries & Wages	609,296	289,299	-	-	-
- Reduction of AKC, ACA		(184,306)	-	-	-
- AKC, ACA, outdoor pool budget adjustment	(177,152)	-	-	-	-
SERVICE AND MAINTENANCE CONTRACTS					
- AKC, ACA, outdoor pool budget adjustment	(53,482)	-	-	-	-
- ACUCC Contract Services	76,243	32,438			
FUEL					
- AKC, ACA, outdoor pool budget adjustment	(4,200)	-	-	-	-
- ACUCC Propane	600	400			
EQUIPMENT & VEHICLE RENTAL					
- ACUCC Vehicle Charges	16,763	6,614	-	-	-
- AKC, ACA, outdoor pool budget adjustment	(10,824)	-	-	-	-
MATERIALS & SUPPLIES					
- AKC, ACA, outdoor pool budget adjustment	(56,772)	-	-	-	-
- ACUCC Materials & supples	105,789	12,898			
UTILITY USER FEES					
- AKC, ACA, outdoor pool budget adjustment	(73,951)	-	-	-	-
- ACUCC Electricty	126,568	26,244	-	-	-
- ACUCC Natural Gas	81,718	10,978	-	-	-
- ACUCC Water & Sewer Charges	27,065	9,042	-	-	
OTHER SUPPLIES AND EXPENSES					
- AKC, ACA, outdoor pool budget adjustment	(1,500)	-	-	-	-

Items not color-coded represent adjustments affecting property taxes and user fees with no offsets.

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Preliminary 2019 Operating Budgets: OVERVIEW

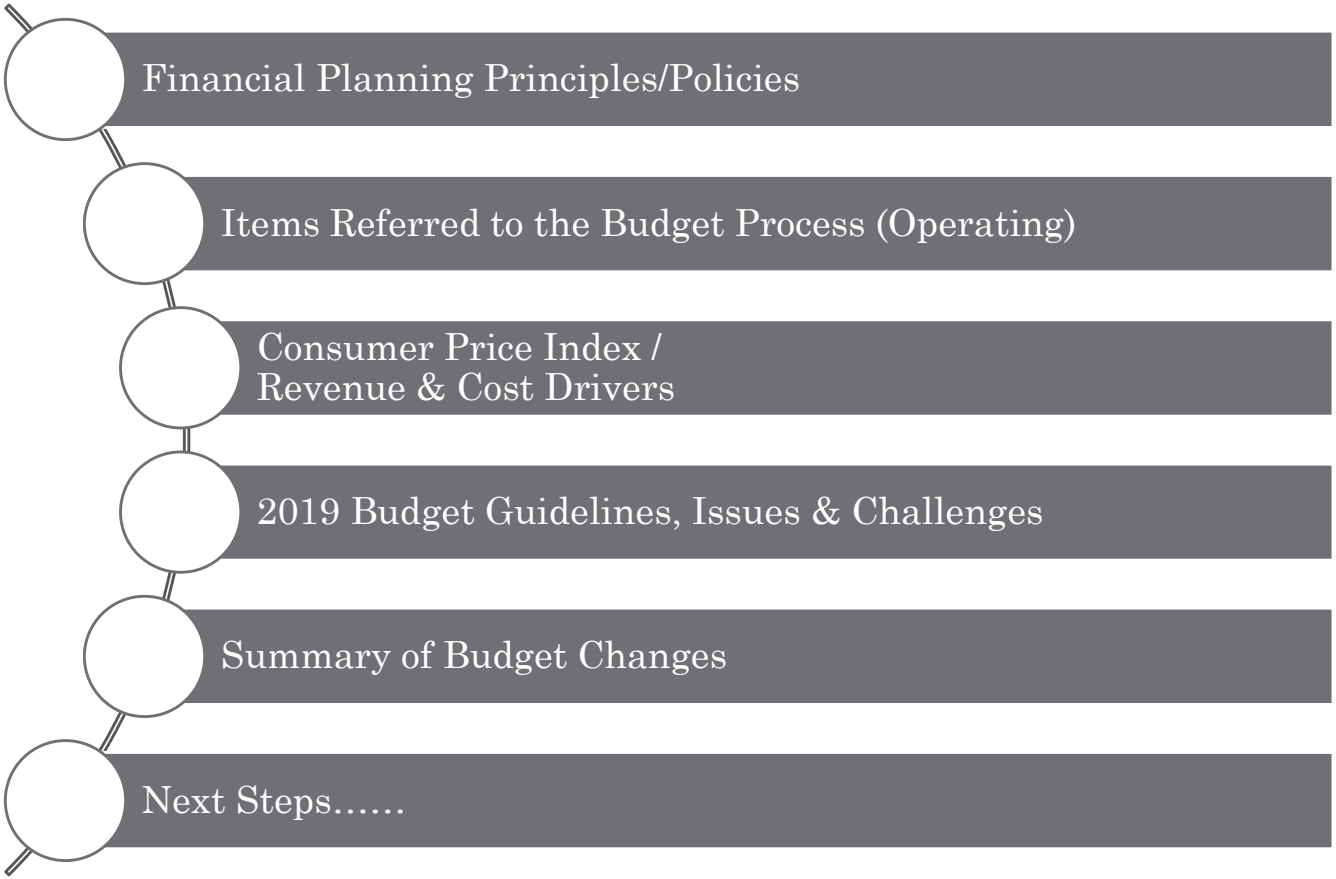


February 4, 2019

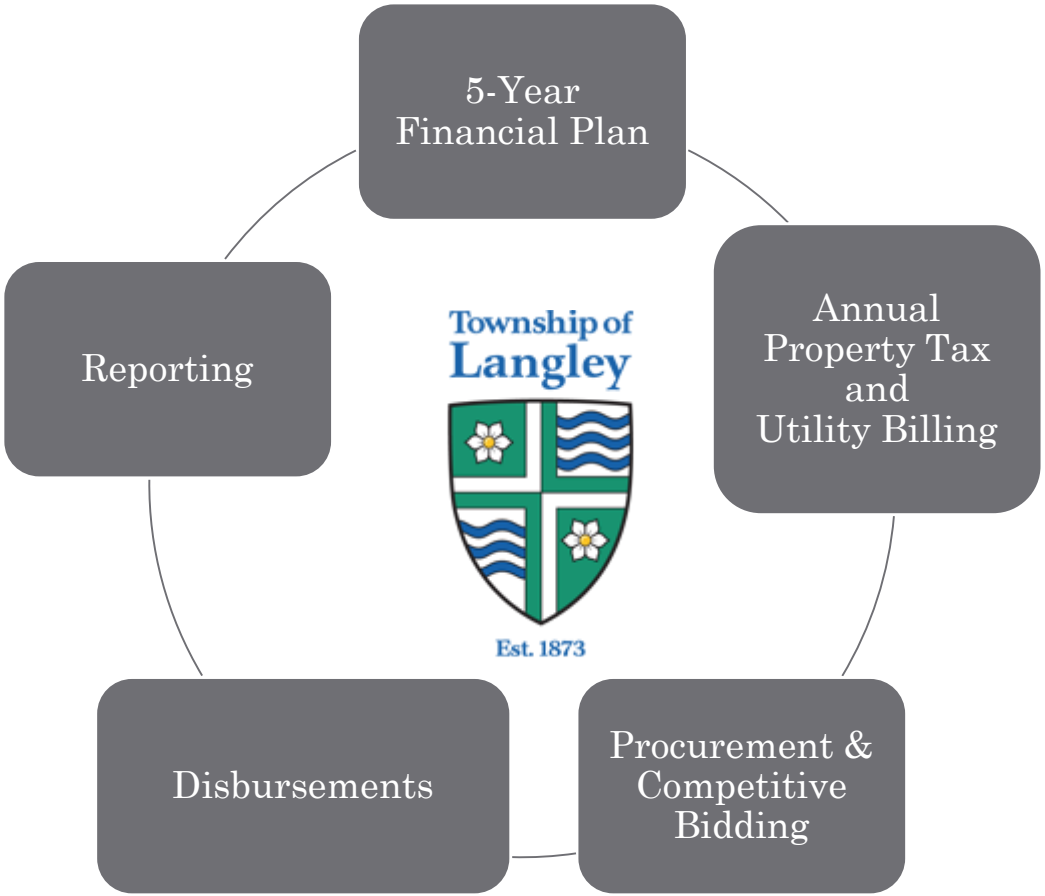
Budget Timeline

Date	Action
February 4	**Draft Operating & Capital Budget Presentations** **Potential Additional Dates: Feb 5 (Tues), 6 (Wed), 7 (Thurs), 8 (Fri), 9 (Sat)**
February 11	Draft 2019 Operating & Capital Budget Discussion (Q&A)
February 12	Public Consultation Period Opens
February 19 and 20	Open Houses (non Council meeting)
February 25	Results of Public Consultation / Draft Five-Year Financial Plan
March 11	Financial Plan Bylaw, 1st, 2nd, 3rd
April 1	Financial Plan Bylaw, Final
April 15	Property Tax Rate, Utility User Fee and Fees and Charges Bylaws, 1st, 2nd, 3rd
May 13	Property Tax Rate, Utility User Fee and Fees and Charges Bylaws, Final
May 24	Property Tax and Utility User Fee Notices Mailed
July 2	Property Tax and Utility User Fee Due Date

Operating Budget Overview



Finance Cycle



Financial Planning Principles

- Be responsive to citizens' needs
- Be fiscally responsible
- Develop resources for funding
- Operate the corporation cost effectively
- Consider alternate service delivery models
- Manage the demands of growth and change

Financial Planning Policies

- Use of property tax revenue and user fees
- Capital funding from operations
- Funding for new development
- Capital infrastructure renewal and replacement
- Reserves and surpluses
- Asset Management policy

Use of…

Utility User Pay Fees & Property Tax Revenue

To fund…

Ongoing operating expenses

Regular and preventive maintenance

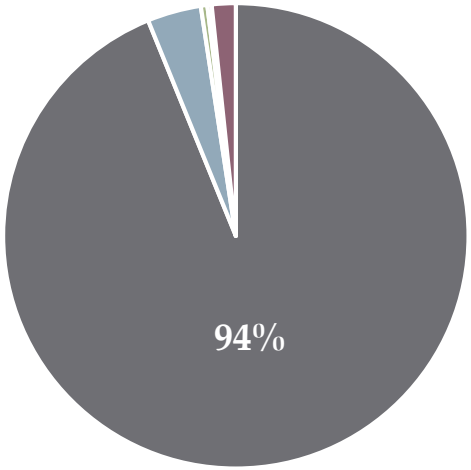
Operating costs associated with new capital

Utility Revenue Sources

User Pay Revenue as a Percentage of Total Revenue (2018)

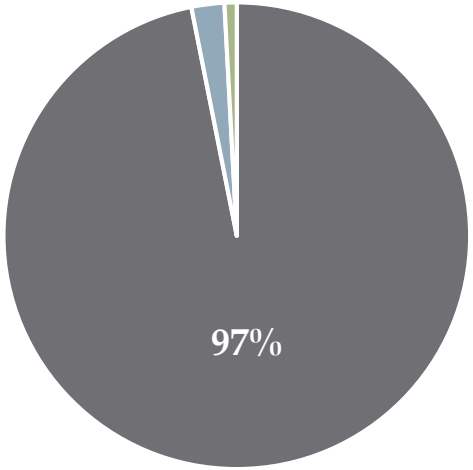
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Water



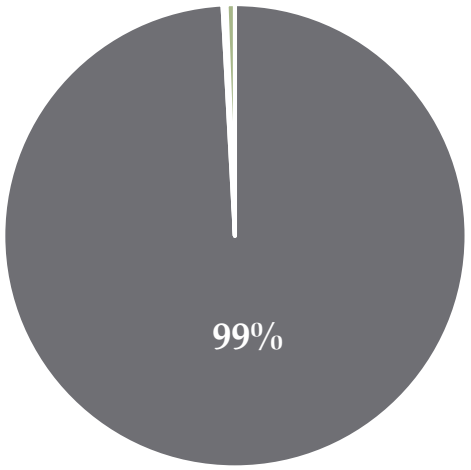
- Utility User Pay Fees (94%)
- Sales of Services (4%)
- Investment Income (1%)
- Debt Repayment Contributions (0%)
- Transfer from Own Funds (2%)

Sewer



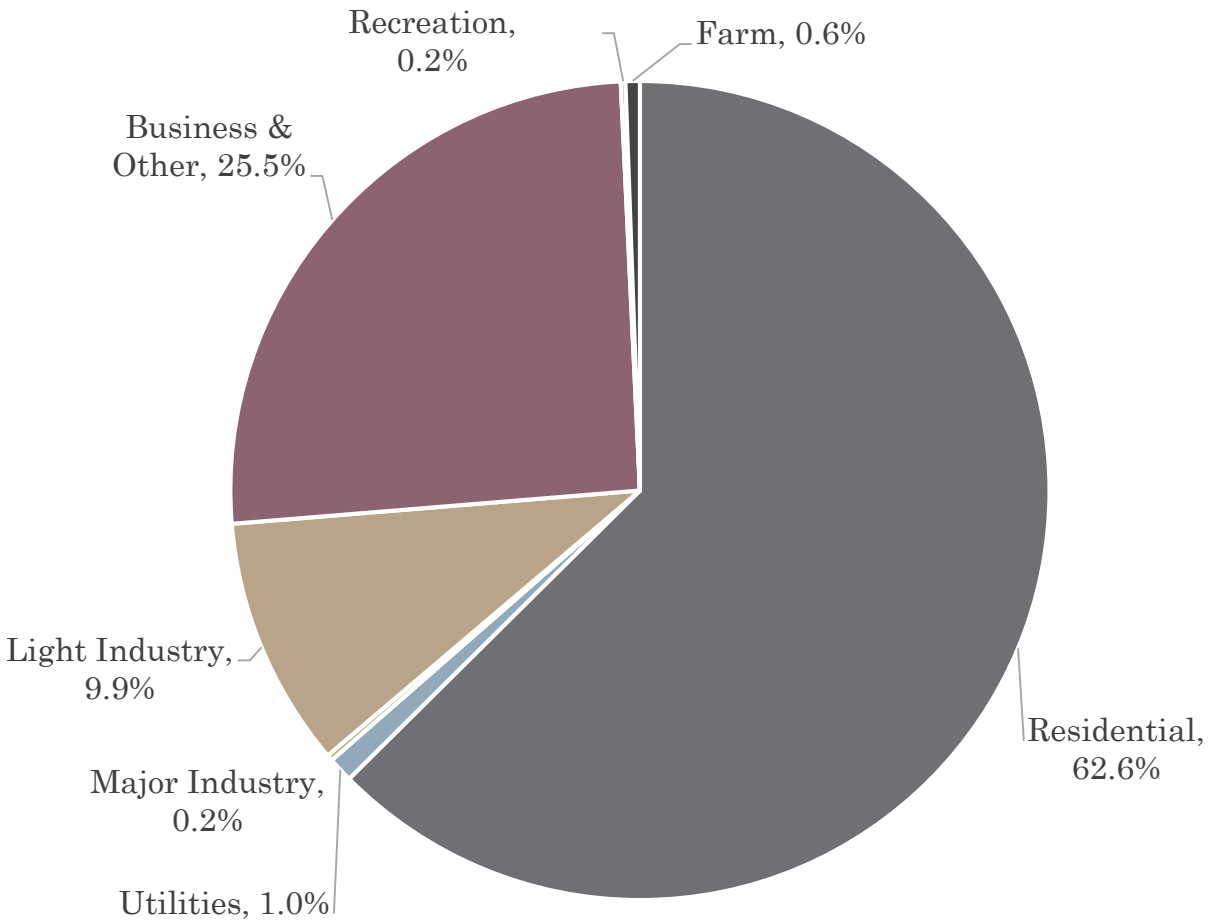
- Utility User Pay Fees (97%)
- Sales of Services (2%)
- Investment Income (1%)

Solid Waste

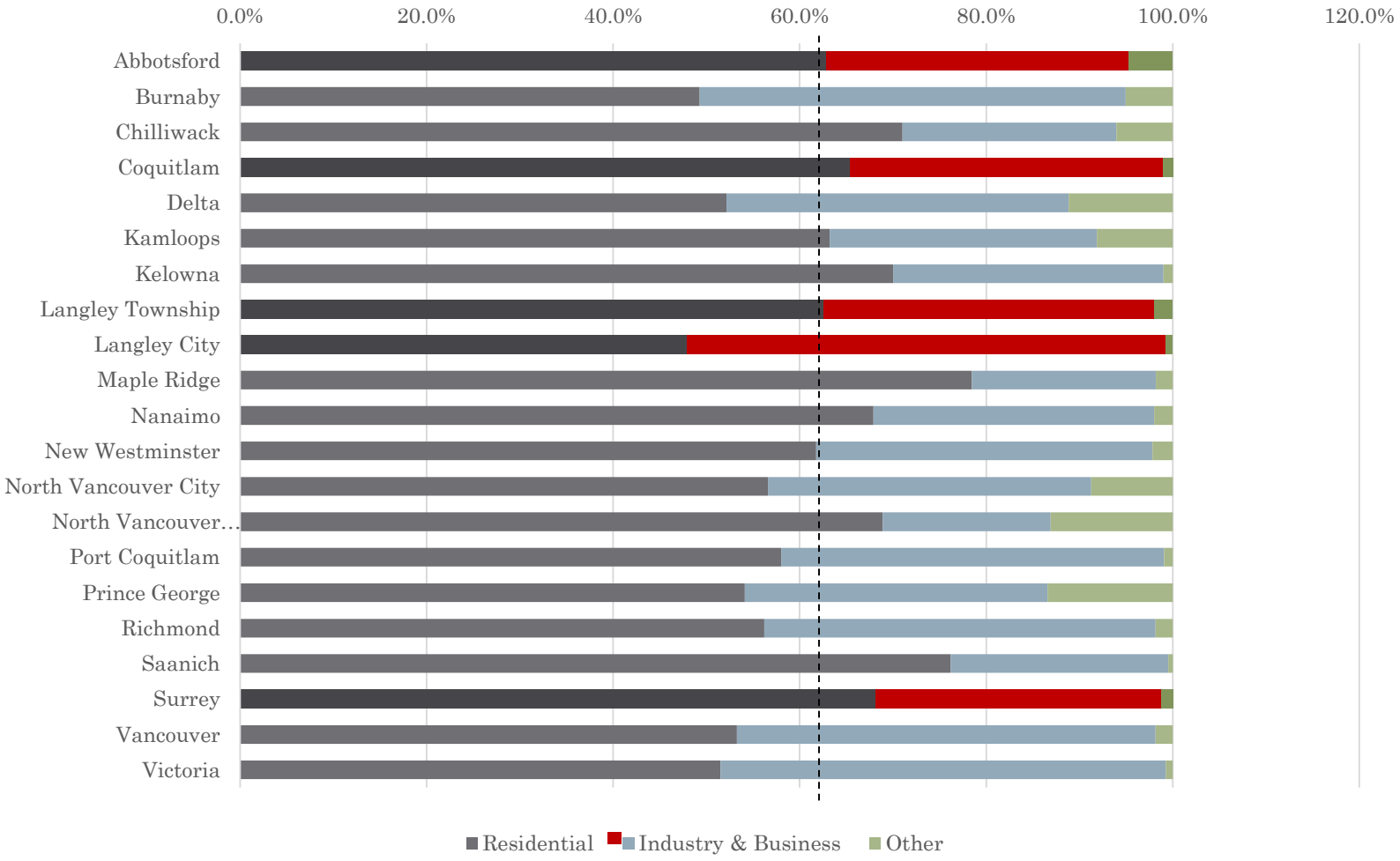


- Utility User Pay Fees (99%)
- Sales of Services (0%)
- Investment Income (1%)

Property Tax Revenue by Property Class (2018)



Property Tax Revenue by Major Class (2018)



Consumer Price Index / Revenue & Cost Drivers

CONSUMER PRICE INDEX (2002 = 100) - 12-MONTH MOVING AVERAGE

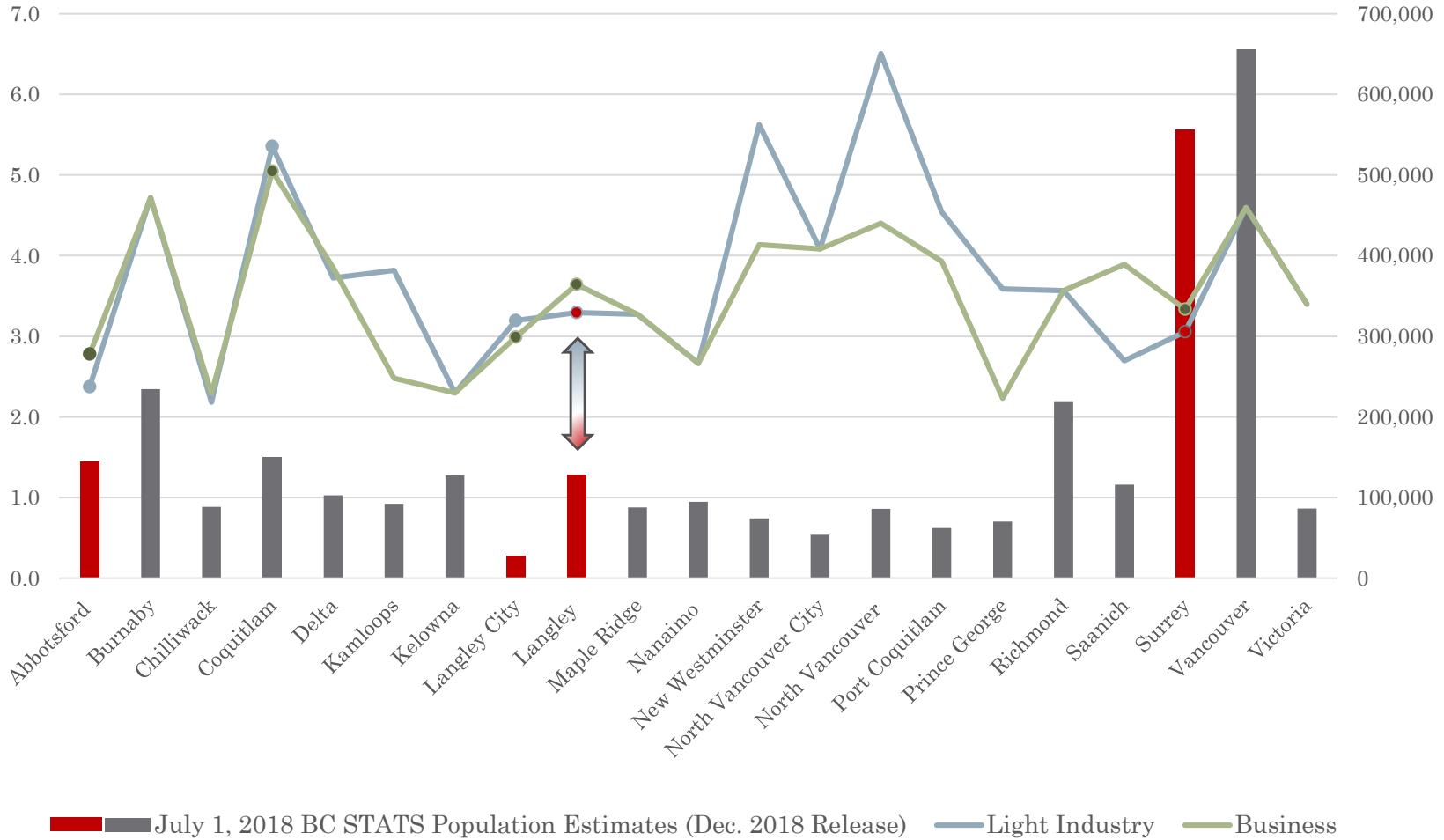
	CANADA		BRITISH COLUMBIA		VANCOUVER		VICTORIA	
Month-Year	12-Month Average All-Items Index	12-Month Average % Change	12-Month Average All-Items Index	12-Month Average % Change	12-Month Average All-Items Index	12-Month Average % Change	12-Month Average All-Items Index	12-Month Average % Change
Dec-17	130.4	1.6	125.0	2.1	127.3	2.2	123.0	1.9
Jan-18	130.6	1.6	125.2	2.1	127.6	2.2	123.2	1.9
Feb-18	130.8	1.6	125.5	2.1	127.9	2.3	123.4	1.9
Mar-18	131.1	1.6	125.8	2.1	128.2	2.4	123.6	1.8
Apr-18	131.3	1.7	126.0	2.2	128.6	2.5	123.8	1.8
May-18	131.6	1.8	126.3	2.3	128.9	2.6	124.0	1.8
Jun-18	131.8	1.9	126.6	2.3	129.2	2.7	124.2	1.8
Jul-18	132.2	2.0	126.9	2.5	129.6	2.9	124.5	1.9
Aug-18	132.5	2.2	127.2	2.5	129.9	2.9	124.8	2.0
Sep-18	132.7	2.2	127.5	2.6	130.1	2.9	125.0	2.0
Oct-18	133.0	2.3	127.8	2.7	130.4	2.9	125.3	2.1
Nov-18	133.2	2.3	128.1	2.6	130.7	2.9	125.6	2.2
Dec-18	133.4	2.3	128.4	2.7	131.0	2.9	125.9	2.3

Produced by BC Stats using Statistics Canada CANSIM Table 326-0020

Note: The 12-month average % change is calculated using unrounded 12-month averages, not the rounded figures that appear in this document.

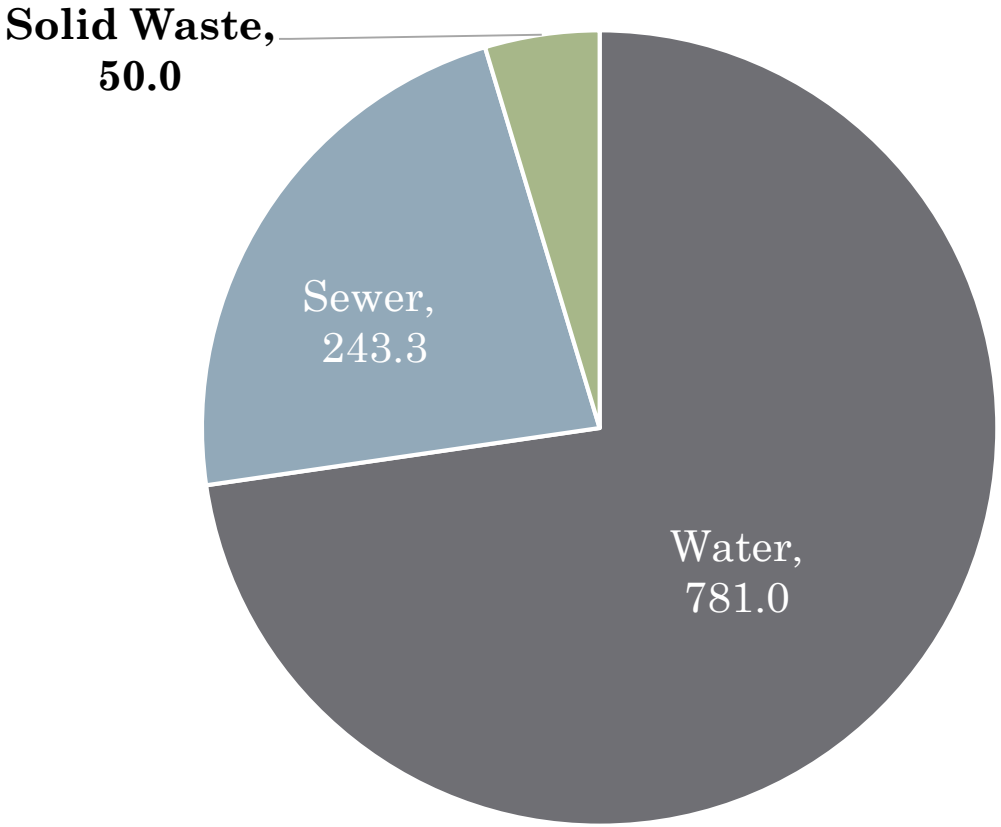
Note also: December figures are annual averages published by Statistics Canada; all other months are calculated by BC Stats.

Property Tax Class Multiples
Light Industry/Commercial (2018)

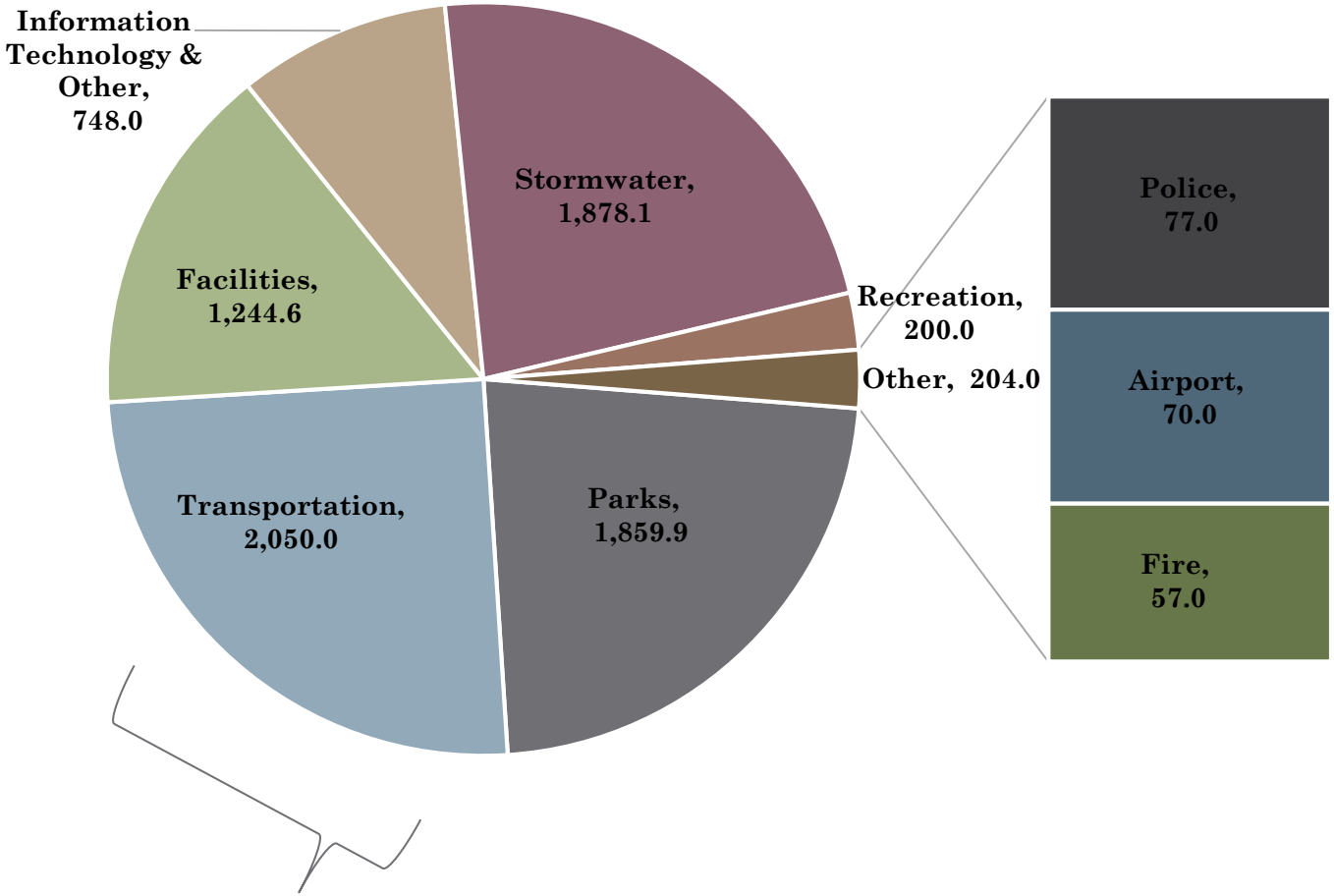


Operating Contribution to Capital

In thousands



Operating Contribution to Capital (2019)
Prior to Consideration of Service Enhancements



Universal $8,184.6, Water $781.0, Sewer $243.3, Solid Waste $50.0

In thousands

Commitment to Infrastructure
From Operating Funds…

28

Water

- **Contribution to Capital**
- **Transfer to Capital Reserve & Surplus**
- **Debt Servicing**
- **Asset Maintenance**

Roads

- Contribution to Capital
- Transfer to Capital Reserve
- Debt Servicing
- Asset Maintenance

Parks, Etc

- Contribution to Capital
- Transfer to Capital Reserve
- Debt Servicing
- Asset Maintenance

Reserves and Surplus Policy

- Ensure stable and predictable levies
- Provide for operating emergencies
- Provide for entrepreneurial opportunities
- Finance new capital assets
- Safeguard and maximize existing assets
- Provide for working capital

- Carry Forward Unfinished Projects from One Year to the Next
- Phasing of Large Unavoidable Contract Increases
- Phasing Associated with Changes in Business Practices
- Prior Year's Surplus
- Shortfalls in User Fee Revenue from Growth

- Add known contract increases
- Review operating savings and identify reductions that can be made permanent
- Review revenue for increases that can be sustainable
- Evaluate potential for sustainable new revenue opportunities
- Identify operating impact of new capital purchased or constructed and development capital inherited
- Focus on service maintenance over service enhancement

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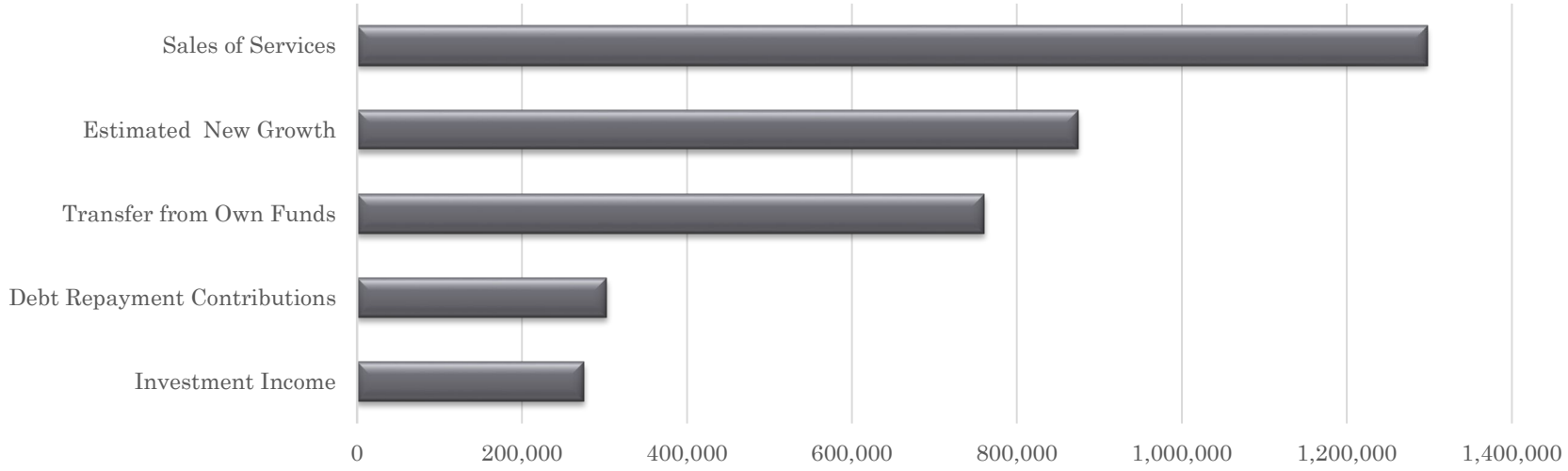
Preliminary
2019 Operating Budget:
USER PAY UTILITIES

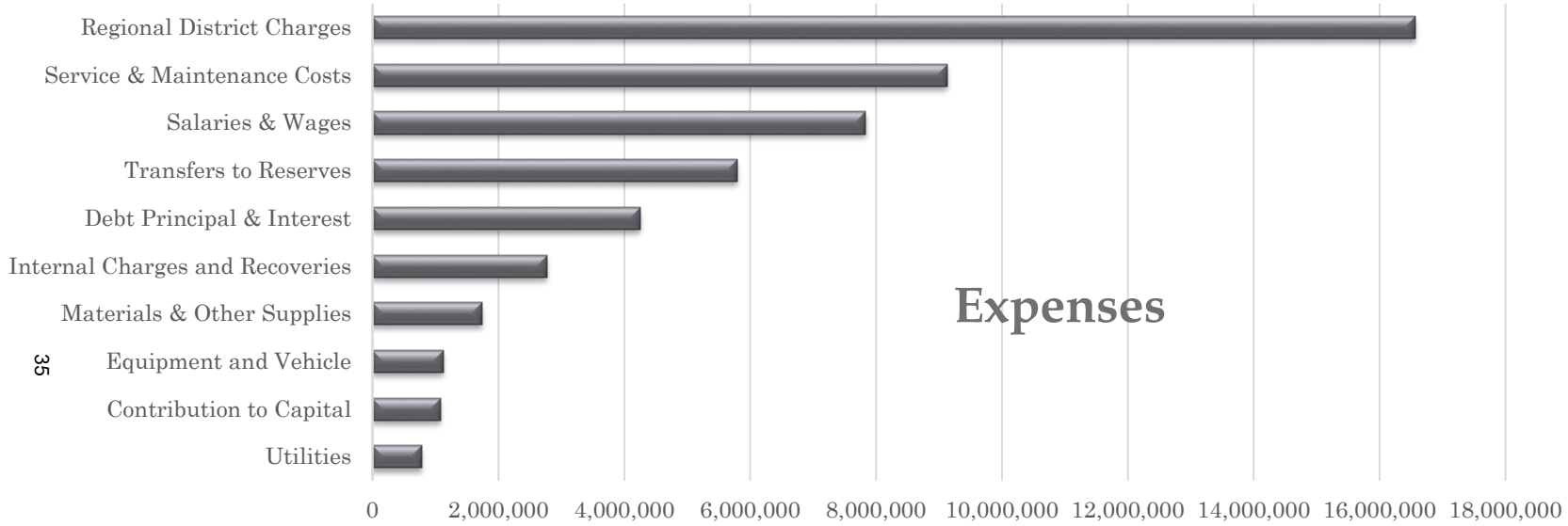


February 4, 2019

Drivers	Examples
User Fee Revenue from Growth	New Development
Other User Fees & Charges	Water, Sewer, etc.
Salary & Wage Contracts	CUPE, Employer Health Payroll Tax, Steps and Increments
Special Contracts	Solid Waste
Regional District & Translink	Water, Sewer, Solid Waste
Maintenance Contracts	Inspections Programs, Dispatch, Planted Area Maintenance, etc.
Equipment & Vehicle	Internal and External Equipment Costs
Asset Management	Debt, Contributions to Capital, Transfers to Capital Reserves, Asset Maintenance

Revenue & Cost Categories for 2019
(Utilities - excluding Utility User Rates)





2019 Budget…
Guidelines, Issues & Challenges…

2019 Budget Issues & Challenges

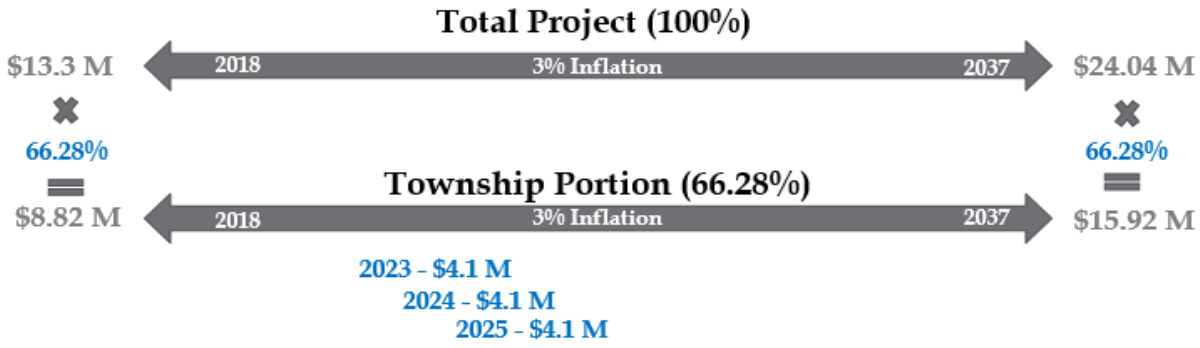
- Regional Costs
  (GVS&DD, GVWD, Metro Tipping Fees)
- Special Contracts,
  (Solid Waste Contract Renewal)
- Salary & Wage Contract settlements
  (CUPE in place of 2020)
- Salary & Wages Required to Optimize Water Operations and Maintenance
- Employer Health Tax 1.95%
  (New in 2019, Overlaps MSP for one year)
- Operating impact of Township Capital and Community Development
- Commitment to Infrastructure

Regional Costs
(**GVWD**, GVS&DD, Metro Tipping Fees)

Report 18-102 (July 9, 2018), That Council authorize execution of an Amending Agreement with the Greater Vancouver Water District….in order to provide a fixed cost and payment schedule for remaining works in the Langley-Surrey Water Supply Scheme.

The Township of Langley joined the GVWD in 1989. As part of the agreement, the Township agreed to pay for a portion of a number of capital works projects required to provide adequate water supply to the Township. This is the last remaining project related to that agreement.

To satisfy the payment schedule, it is proposed that an increase of $818,314 be included in the Water Utility budget for the next 5 years in the form of a Transfer to the Capital Works Reserve (CWR). By 2023, the base amount of $4,091,573 will be achieved in time to make the first scheduled payment in 2023. Amounts accumulated in the CWR will be used to fund other Water Capital projects.



Regional Costs
(GVWD, **GVS&DD**, Metro Tipping Fees)

The GVS&DD 2018 budget for Liquid Waste (Sewer) was $**7,290,567**. For 2019, the Township has been advised that the amount required for Liquid Waste is **$9,317,166**. This is a Year-Over-Year increase of **27.8%**.

Greater Vancouver Sewage and Drainage District	2018	2019	Change	% Change
GROWTH CHANGES				
Debt for Fraser Sewage Area (FSA) (From $8.86M in 2018 to $18.03M in 2019 = $9.17M) Combination of an increase in Debt and a Population Increase	1,004,073	2,622,748	1,618,675	161.2%
NON-GROWTH CHANGES				
Operating and Maintenance costs (From 112.4M in 2018 to $119.4M in 2019 x Flow Share Formula) "This is fairly consistent with previous years"	6,286,494	6,694,418	407,924	6.5%
	7,290,567	**9,317,166**	**2,026,599**	**27.8%**
Equivalent Utility User Pay Increase for Township when 1% = $210,800			***9.61%***	

Regional Costs (GVWD, GVS&DD, **Metro Tipping Fees**) and Special Contracts (**Solid Waste Contract Renewal**)

The table below shows the various increases in Solid Waste (Garbage and Organics) from 2018 to 2019…

	2018 Projected	2018 Budget	2019 Increase	2019 Budget
Garbage Collection	1,774,703	1,699,854	368,354	2,068,208
Garbage Disposal	936,512	909,131	123,113	1,032,244
Organics Collection	1,751,523	1,682,351	355,983	2,038,334
Organics Disposal	745,803	709,722	88,266	797,988
TOTAL	**5,208,541**	**5,001,058**	**935,716**	**5,936,774**

Collection Rates increased for both single and multi family residential by approximately 11% each. A portion of the increase was related to growth and would have been offset by additional revenue collected.

Disposal Rates were impacted by an 8% increase in the Metro Vancouver Tipping Fee from $100 to $108, plus debt servicing related to capital improvements.

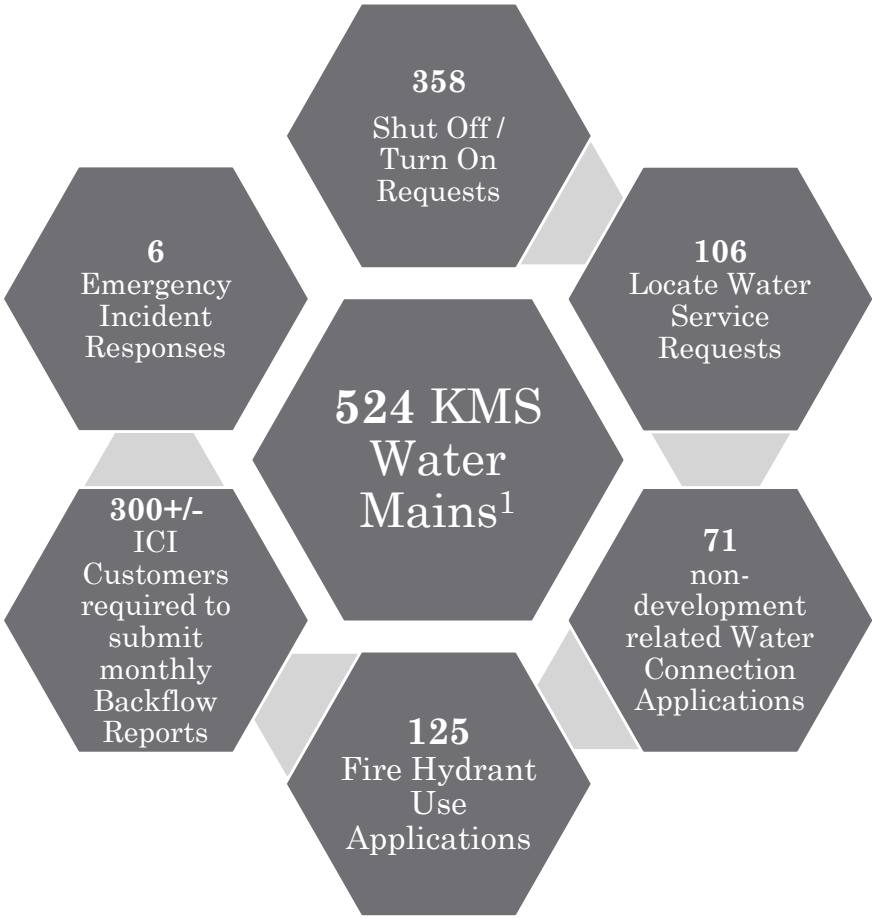
Salary & Wages

(Contract Settlements & Employer Health Tax)

	WATER	SEWER	SOLID WASTE
Contract Increases	**80,075**	**47,462**	**12,833**
Percentage increase in S&W	2.0%	2.0%	2.0%
Employer Health Tax	**71,940**	**43,761**	**12,667**
Percentage increase in S&W	1.8%	1.9%	2.0%
Steps/Increments	**12,944**	**12,432**	**4,342**
	164,959	**103,655**	**29,842**
Portion of a 1% Increase	**0.78%**	**0.66%**	**0.43%**

Salary & Wages (Water)

Required to Optimize **Water** Operations and Maintenance

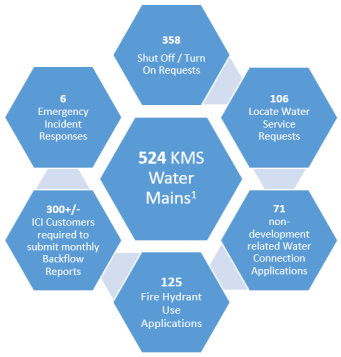


Salary & Wages (Water)

Additional Staff Time for Preventive Maintenance $100,000
Additional Administration Time and Backup $150,000

In 2018, existing staffing levels and an increased (and ongoing) demand from the public for various services made it a challenge for the Water Utilities department to complete the following programs:

- Aldergrove Water Treatment Plant filter cleaning
- Reservoir fall protection anchor inspection
- Reservoir roof inspection and cleaning
- Pressure reducing and pump control valve rebuilds (average of 7 pump control valves and 3 complete pressure reducing valves)
- Preventative maintenance for booster pumps
- Station air valve maintenance
- Station and site maintenance (ex. vegetation control, cleaning, painting)
- Shortened window for Uni-directional flushing program with Metro Van water restrictions and weather dependencies
- Effectively perform annual valve exercise program
- Distribution air valve repairs
- Leak detection program requires additional support from technical staff



Technical Staff have been heavily burdened to support these programs and additional staff are needed to enhance our water quality reporting and programs. The funding requested is to supplement planning and implementation of workloads and in support of outside staff, and additional funding for outside staff to ensure service levels for the utility are met.

Operating Impact of **Township Capital** *In full dollars*

44

	TOTAL	Wages	Service Contracts	Equipment	Material & Supplies	Training & Seminars	Electricity
Water	**60,806**	**42,260**	**7,321**	**488**	**9,761**	**488**	**488**
- Water Network Expansion 64 Ave and 224 Street	22,394	13,884	3,359	224	4,479	224	224
- WTRMAIN - 80 Avenue Extension	17,521	10,863	2,628	175	3,504	175	175
- Chlorinator East Aldergrove Reservoir	12,000	12,000	-	-	-	-	-
- Watermain: 58 Ave from 214A to 216 Street	7,623	4,726	1,143	76	1,525	76	76
- Watermain Installaion: 20500 blk of 86 Ave	1,269	787	190	13	254	13	13
	60,806	**42,260**	**7,321**	**488**	**9,761**	**488**	**488**

Operating Impact of **Contributed Assets** *In full dollars*

Neighbourhood	Development Description	WATER	SANITARY SEWER
Aldergrove	- Township of Langley/Sanderson	3,223	1,015
Brookswood	- OTG Development Concepts	-	99
Gloucester	- Fraser Valley Driving School	156	-
Murrayville	- Leefers	156	-
Murrayville	- Kelson Investments Ltd	871	-
NE Gordon	- Aplin & Martin	-	159
NW Langley	- Diversified Management	3,120	74
Routley	- Essence Properties Inc	156	-
Rural	- Noort Developments (Meadows)	2,200	1,761
Rural	- Shaw	1,777	-
Rural	- Edmondson	171	-
Rural	- Martens	330	-
Rural	- Seventh Day Adventist Church	-	53
Walnut Grove	- Green Grove Homes	275	127
Yorkson	- Qualico Development (VCR) Inc	6,984	3,354
Yorkson	- 208 Developments Ltd	1,480	622
Yorkson	- Infinity Properties (Yorkson) Ltd	156	21
Yorkson	- McElhanney/991159 BC Ltd	-	88
		21,055	**7,373**

Summary of Budget Changes

(by Cost & Revenue Categories)

NON DISCRETIONARY (in $000's)	Water	Sewer	Solid Waste
Salary & Wages – Contract Increases	80	47	13
Salary & Wages – Employer Health Tax	72	44	13
Salary & Wages – Staff Time for Programs	100	-	-
Salary & Wages – Foreman Administration Time	150	-	-
Salary & Wages – Other	16	37	9
GVS&DD Liquid Waste	-	2,027	-
Waste/Organics Collection and Disposal	-	-	936
Operating Impact of Dev / Capital	82	7	-
Jericho Debt Payment - Phase I	201	-	-
Jericho Pre-Payment - Phase II	818	-	-
Capital Works Reserve	-	-	288
Administration Overhead	90	121	5
Pump Reduction Provision	260	-	-
Supplies and Other	(7)	41	44
Revenue Increases	(452)	(353)	(87)
User Pay Utility Revenue from Growth (Estimated at 2%)	(421)	(315)	(138)
TOTAL Base Budget Increase	**989**	**1,656**	**1,083**
Utility User Fee Increase Requested for Base	**4.69%**	**10.51%**	**15.70%**

DISCRETIONARY (in $000's)	Water	Sewer	Solid Waste
- Environmental Coordinator II (40% share)	42	42	0
- Environmental Coordinator II (40% share)	(26)	(26)	0
- Engineer in Training RFT (25% share)	28	28	0
TOTAL Base Budget Increase	**44**	**44**	**0**
Utility User Fee Increase Requested for Discretionary Items	**0.21%**	**0.28%**	**0.00%**

$ Increases – TOTAL (in $000's)	Water	Sewer	Solid Waste
TOTAL Base Budget Increase	989	1,656	1,083
TOTAL Base Budget Increase	44	44	0
TOTAL 2019 DRAFT BUDGET	1,033	1,700	1,083
Utility User Fee Increase Requested	**4.90%**	**10.79%**	**15.70%**

REPRESENTATIVE HOUSE
User Pay Utility Fee (%)



Estimated Impact on a Representative House

(receiving all three services)

User Pay Utilities	2018	Change	% Change	2019
Water User Pay	507.23	24.86	4.90%	532.09
Sewer User Pay	435.08	46.95	10.79%	482.03
Solid Waste User Pay	290.00	40.00	below	330.00
Utility User Pay Fees	**1,232.31**	**111.81**	**9.07%**	**1344.12**

Solid Waste		
2018	**120L**	**240L**
Base Rate	140.00	140.00
Cart Rate	75.00	150.00
	215.00	**290.00**
2019	**120L**	**240L**
Base Rate	170.00	170.00
Cart Rate	80.00	160.00
	250.00	**330.00**
Increase	***35.00***	***40.00***
2019 % Increase	**120L**	**240L**
Base Rate	21.43%	21.43%
Cart Rate	6.67%	6.67%
	16.28%	**13.79%**



Estimated Impact on a Representative House
(receiving all three services)

Property Tax	2018	Change	% Change	2019
Utility User Pay Fees	**1,232.31**	**111.81**	**9.07%**	**1,344.12**

704 - Taxes and Charges on a Representative House - 2018

Municipalities	Type	RD	House Value	School	General Municipal Total	Regional District	Hospital	BCA, MFA and Other	Total Res Variable Rate Taxes	Total Res Parcel Taxes	Total Res. User Fees	Total Residential Property Taxes And Charges
Lions Bay	V	GVR	1,788,279	1,385	2,584	91	0	729	4,789	365	2,639	7,794
West Vancouver	D	GVR	3,726,218	2,887	4,670	162	0	939	8,657	0	1,811	10,468
North Vancouver	D	GVR	1,809,338	1,749	2,881	79	0	456	5,165	0	1,617	6,782
New Westminster	C	GVR	1,174,660	1,442	2,945	55	0	296	4,738	0	1,508	6,246
Bowen Island	D	GVR	1,060,757	822	2,265	44	0	573	3,705	597	1,467	5,769
Vancouver	C	GVR	2,467,292	2,209	3,069	107	0	622	6,008	0	1,371	7,379
Langley	D	GVR	942,948	1,170	2,050	41	0	238	3,499	0	1,232	4,731
Anmore	V	GVR	1,958,255	2,224	2,593	344	0	804	5,965	0	1,231	7,196
Mission	D	FVR	667,876	937	2,152	49	98	27	3,264	0	1,208	4,472
Richmond	C	GVR	1,700,155	1,815	2,576	72	0	428	4,892	0	1,199	6,091
Belcarra	V	GVR	1,520,221	1,727	1,573	326	0	606	4,231	973	1,182	6,386
Port Moody	C	GVR	1,328,240	1,509	3,285	62	0	335	5,190	0	1,124	6,314
Delta	C	GVR	1,033,862	1,171	2,395	46	0	373	3,985	0	1,060	5,045
North Vancouver	C	GVR	1,656,356	1,601	2,788	74	0	417	4,880	0	1,059	5,939
Langley	C	GVR	827,788	1,027	2,057	40	0	209	3,333	0	1,039	4,372
Harrison Hot Springs	V	FVR	527,341	1,038	1,431	112	77	131	2,790	0	1,037	3,826
Surrey	C	GVR	1,118,577	1,301	2,020	48	0	282	3,651	323	1,026	5,000
Maple Ridge	C	GVR	787,088	1,050	2,358	37	0	198	3,644	206	975	4,825
Port Coquitlam	C	GVR	960,237	1,091	2,343	43	0	242	3,718	25	953	4,697
Pitt Meadows	C	GVR	747,685	998	2,053	36	0	188	3,275	0	947	4,222
White Rock	C	GVR	1,581,097	1,839	3,578	72	0	398	5,887	0	901	6,788
Coquitlam	C	GVR	1,270,465	1,443	2,569	56	0	320	4,388	429	798	5,615
Kent	D	FVR	441,685	869	1,318	39	65	18	2,308	0	792	3,101
Abbotsford	C	FVR	688,379	1,031	2,311	60	101	28	3,531	0	745	4,276
Chilliwack	C	FVR	554,246	912	1,803	51	81	157	3,005	0	741	3,746
Hope	D	FVR	351,563	692	1,544	357	51	14	2,659	85	704	3,449
Burnaby	C	GVR	1,650,008	1,715	2,485	69	0	416	4,685	541	700	5,927

That Council receive and refer the 2019 Utility User Pay Operating Budget to a future special budget meeting of Council for purposes of further consideration, discussion and approval, as received or amended.

OR

That Council receive and refer the 2019 Utility User Pay Operating Budget to public consultation, as received or amended, in February 2019.

Budget Timeline

Date	Action
Potential Additional Dates	**Feb 5 (Tues), 6 (Wed), 7 (Thurs), 8 (Fri), 9 (Sat)**
February 11	**Draft 2019 Operating & Capital Budget Discussion (Q&A)**
February 12	Public Consultation Period Opens
February 19 and 20	Open Houses (non Council meeting)
February 25	Results of Public Consultation / Draft Five-Year Financial Plan
March 11	Financial Plan Bylaw, 1st, 2nd, 3rd
April 1	Financial Plan Bylaw, Final
April 15	Property Tax Rate, Utility User Fee and Fees and Charges Bylaws, 1st, 2nd, 3rd
May 13	Property Tax Rate, Utility User Fee and Fees and Charges Bylaws, Final
May 24	Property Tax and Utility User Fee Notices Mailed
July 2	Property Tax and Utility User Fee Due Date

Questions and Answers

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TOWNSHIP OF LANGLEY
WATER UTILITY
2019-2023 OPERATING BUDGET

	2018 BUDGET (Base)	2019 Change	2019 Budget	2020 Change	2020 Budget	2021 Change	2021 Budget	2022 Change	2022 Budget	2023 Change	2023 Budget
RATES REVENUE											
Utility Levies		(404,800)	(21,077,482)	-	(22,531,969)	-	(24,429,423)		(26,369,467)	-	(28,349,117)
Estimated New Growth		(421,550)	(421,550)	(450,639)	(450,639)	(488,588)	(488,588)	(527,389)	(527,389)	(566,982)	(566,982)
Utility Levy increase		(1,032,937)	(1,032,937)	(1,446,814)	(1,446,814)	(1,451,456)	(1,451,456)	(1,452,261)	(1,452,261)	(2,148,773)	(2,148,773)
	(20,672,682)	(1,859,287)	(22,531,969)	(1,897,454)	(24,429,423)	(1,940,044)	(26,369,467)	(1,979,650)	(28,349,117)	(2,715,755)	(31,064,872)
NON-RATES REVENUE											
Sales of Services	(824,326)	(47,436)	(871,762)	-	(871,762)	-	(871,762)	-	(871,762)	-	(871,762)
Investment Income	(100,000)	-	(100,000)	-	(100,000)	-	(100,000)	-	(100,000)	-	(100,000)
Debt Repayment Contributions	(64,979)	(237,386)	(302,365)	-	(302,365)	64,979	(237,386)	-	(237,386)	-	(237,386)
Transfer from Own Funds	(366,448)	(225,365)	(591,813)	225,365	(366,448)	-	(366,448)	-	(366,448)	(3,273,256)	(3,639,704)
External Unidentified Revenue	(150,000)	-	(150,000)	-	(150,000)	-	(150,000)	-	(150,000)	-	(150,000)
TOTAL REVENUE	**(22,178,435)**	**(2,369,474)**	**(24,547,909)**	**(1,672,089)**	**(26,219,998)**	**(1,875,065)**	**(28,095,063)**	**(1,979,650)**	**(30,074,713)**	**(5,989,011)**	**(36,063,724)**
EXPENSE											
Salaries, Wages & Benefits	3,990,778	576,380	4,567,158	104,278	4,671,436	77,052	4,748,488	38,888	4,787,376	-	4,787,376
Service and Maintenance Contracts	1,487,070	103,028	1,590,098	(85,456)	1,504,642	20,124	1,524,766	1,518	1,526,284	1,554	1,527,838
Consulting and Professional Services	143,845	31,914	175,759	(71,914)	103,845	-	103,845	-	103,845	-	103,845
Regional Charges/Recoveries	6,935,144	-	6,935,144	1,076,503	8,011,647	1,251,074	9,262,721	1,518,133	10,780,854	5,844,490	16,625,344
Fuel	4,100	-	4,100	82	4,182	84	4,266	85	4,351	87	4,438
Equipment and Vehicle Rental	712,887	20,380	733,267	12,309	745,576	13,270	758,846	12,250	771,096	12,472	783,568
Communication and Technology	68,226	157	68,383	61	68,444	75	68,519	50	68,569	75	68,644
Insurance	15,052	-	15,052	-	15,052	-	15,052	-	15,052	-	15,052
Materials and Supplies	542,593	13,972	556,565	9,878	566,443	24,855	591,298	-	591,298	-	591,298
Utility User Fees	606,180	14,316	620,496	14,463	634,959	15,524	650,483	14,604	665,087	14,933	680,020
Debt Principal and Interest	3,146,016	438,314	3,584,330	-	3,584,330	(64,979)	3,519,351	-	3,519,351	-	3,519,351
Internal Charges & Recoveries	1,241,203	90,499	1,331,702	81,461	1,413,163	62,421	1,475,584	76,836	1,552,420	101,499	1,653,919
Transfer to Own Funds	2,230,570	818,314	3,048,884	529,930	3,578,814	378,574	3,957,388	219,715	4,177,103	(85,530)	4,091,573
Contribution to Capital	781,034	-	781,034	-	781,034	-	781,034	-	781,034	-	781,034
External Unidentified	150,000	-	150,000	-	150,000	-	150,000	-	150,000	-	150,000
Other Supplies and Expense	123,737	262,200	385,937	494	386,431	96,991	483,422	97,571	580,993	99,431	680,424
TOTAL EXPENSE	**22,178,435**	**2,369,474**	**24,547,909**	**1,672,089**	**26,219,998**	**1,875,065**	**28,095,063**	**1,979,650**	**30,074,713**	**5,989,011**	**36,063,724**
SHORTFALL/(SURPLUS)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Estimated New Growth Rate	**2.00%**	**2.00%**	**2.00%**	**2.00%**	**2.00%**
User Rate Increase	**4.90%**	**6.42%**	**5.94%**	**5.51%**	**7.58%**
Approximate value of a 1% Utility Increase	**210,800**	**225,300**	**244,300**	**263,700**	**283,500**

Township of Langley
FIVE YEAR OPERATING PLAN
WATER UTILITY - NON-DISCRETIONARY ADJUSTMENTS

	2019	2020	2021	2022	2023
SALES OF SERVICES					
- Secondary Suite increase	(45,100)	-	-	-	-
- Recovery Revenue (offset expenditures)	(2,336)	-	-	-	-
SALES OF SERVICES	**(47,436)**	**-**	**-**	**-**	**-**
DEBT REPAYMENT CONTRIBUTIONS					
- Debt MFA-3950 Issue 73 mature Dec 1,2020	-	-	64,979	-	-
- Jericho 72 ave @ 204 st repayment	(237,386)	-	-	-	-
DEBT REPAYMENT CONTRIBUTIONS	**(237,386)**	**-**	**64,979**	**-**	**-**
TRANSFER FROM OWN FUNDS					
- Transfer from Jericho Water Reserve Fund					(3,273,256)
- 2018 One-Time Program CFWD	(166,224)	166,224	-	-	-
TRANSFER FROM OWN FUNDS	**(166,224)**	**166,224**	**-**	**-**	**(3,273,256)**
REVENUE ADJUSTMENTS	**(451,046)**	**166,224**	**64,979**	**-**	**(3,273,256)**
EXPENSE					
SALARY, WAGES & BENEFITS					
- Collective Bargaining and Contract Increases	80,075	81,676	-	-	-
- Employer Health Tax	71,940	1,439	-	-	-
- Step/Increment	12,944		-	-	-
- Return to Work Coordinator	5,000	5,000	-	-	-
- Planted Area Maintenance - Zone 3 (Housekeeping)	(1,971)				
- Additional staff time for programs	100,000	2,000	-	-	-
- Additional Foreman Administration Time	150,000	3,000	-	-	-
- Operating Impact from Development Capital Works	13,131	263	-	-	-
- Operating Impact from Capital Construction	42,260	845	-	-	-
SALARY, WAGES & BENEFITS	**473,379**	**94,223**	**-**	**-**	**-**
SPECIAL CONTRACT (i.e. RCMP, etc.)					
SERVICE AND MAINTENANCE CONTRACTS					
- Mowing Contract	208	212	216	220	224
- Corrosive Investigation Program	1,000	1,025	1,051	1,077	1,104
- Surrey Dispatching Contract	205	209	215	221	226
- Housekeeping Planted Area Maintenance Contract - Zone 3	(3,174)	-	-	-	-
- 2018 One-Time Program CFWD	94,310	(94,310)	-	-	-
- Operating Impact from Development Capital Works	3,158	-	-	-	-
- Operating Impact from ToL Capital Construction	7,321	-	-	-	-
SERVICE AND MAINTENANCE CONTRACTS	**103,028**	**(92,864)**	**1,482**	**1,518**	**1,554**
CONSULTING & PROFESSIONAL SERVICES					
- Water work on 20157 62 Ave, remove provision	(40,000)	-	-	-	-
- 2018 One-Time Program CFWD	71,914	(71,914)	-	-	-
CONSULTING & PROFESSIONAL SERVICES	**31,914**	**(71,914)**	**-**	**-**	**-**
REGIONAL DISTRICT CHARGES					
- Water Purchases	-	1,076,503	1,251,074	1,518,133	1,752,917
- Pre-payment Agreement for Jericho Water Reservoir - Phase II	-	-	-	-	4,091,573
REGIONAL DISTRICT CHARGES	**-**	**1,076,503**	**1,251,074**	**1,518,133**	**5,844,490**
FUEL					
- Diesel	-	80	82	83	85
- Gasoline	-	2	2	2	2
FUEL	**-**	**82**	**84**	**85**	**87**
EQUIPMENT & VEHICLE RENTALS					
- Vehicle & Equipment Monthly Unit Rental	3,810	2,108	2,151	2,194	2,237
- Vehicle & Equipment Hourly Unit Rental	13,883	7,684	7,835	7,993	8,154
- Equipment and Vehicle Rental - External (Hired)	1,988	2,009	2,027	2,049	2,067
- Operating Impact from Development Capital Works	211	4	4	4	4
- Operating Impact of ToL Capital Construction	488	10	10	10	10
EQUIPMENT & VEHICLE RENTALS	**20,380**	**11,815**	**12,027**	**12,250**	**12,472**
COMMUNICATION AND TECHNOLOGY					
- Metro Vancouver Geospatial	157	61	75	50	75
COMMUNICATION AND TECHNOLOGY	**157**	**61**	**75**	**50**	**75**
- Operating Impact from Development Capital Works	4,211	-	-	-	-
- Operating Impact from ToL Capital Construction	9,761	-	-	-	-
MATERIALS & SUPPLIES	**13,972**	**-**	**-**	**-**	**-**
- Electricity	13,580	13,887	14,198	14,519	14,845
- Natural Gas	76	67	68	70	72
- Operating Impact from Development Capital Works	172	4	4	4	4
- Operating Impact from ToL Capital Construction	488	11	11	11	12
UTILITY USER FEES	**14,316**	**13,969**	**14,281**	**14,604**	**14,933**

Township of Langley
FIVE YEAR OPERATING PLAN
WATER UTILITY - NON-DISCRETIONARY ADJUSTMENTS

	2019	2020	2021	2022	2023
DEBT PRINCIPAL AND INTEREST					
- Bylaw 3950 Issue #73 Mature Dec 1, 2020 P&I	-	-	(64,979)	-	-
- Jericho Debt Payment Contributions from DCCs	166,224	-	-	-	-
- Jericho Debt Payment Contributions from User Fees	272,090	-	-	-	-
DEBT PRINCIPAL AND INTEREST	**438,314**	**-**	**(64,979)**	**-**	**-**
INTERNAL CHARGES & RECOVERIES					
- Administrative overhead	90,499	81,461	62,421	76,836	101,499
INTERNAL CHARGES & RECOVERIES	**90,499**	**81,461**	**62,421**	**76,836**	**101,499**
TRANSFER TO RESERVES					
- Pre-payment Agreement for Jericho Water Reservoir - Phase II	818,314	818,314	818,314	818,314	818,314
- Reverse transfer to Water Capital Works Reserve 2018	-	(288,384)	(439,740)	(598,599)	(903,844)
TRANSFER TO RESERVES	**818,314**	**529,930**	**378,574**	**219,715**	**(85,530)**
OTHER SUPPLIES AND EXPENSES					
- Operations Overflow Parking Lot	(1,305)	-	-	-	-
- Reduce provincial surface water diversion fees	(2,300)	-	-	-	-
- Operating Impact from Development Capital Works	172	-	-	-	-
- Operating Impact from ToL Capital Construction	488	-	-	-	-
OTHER SUPPLIES AND EXPENSES	**(2,945)**	**-**	**-**	**-**	**-**
FISCAL SERVICES	**265,145**	**-**	**91,168**	**92,991**	**94,851**
TOTAL EXPENSE ADJUSTMENTS	**2,266,473**	**1,643,266**	**1,746,207**	**1,936,182**	**5,984,431**
TOTAL NET NON-DISCRETIONARY ADJUSTMENTS	**1,815,427**	**1,809,490**	**1,811,186**	**1,936,182**	**2,711,175**

Township of Langley
FIVE YEAR OPERATING PLAN
WATER UTILITY - DISCRETIONARY ADJUSTMENTS

	2019	2020	2021	2022	2023
REVENUE (Non-Rates)					
TRANSFER FROM OWN FUNDS					
- 2019 One-Time Program New Request	(59,141)	59,141	-	-	-
TRANSFER FROM OWN FUNDS	**(59,141)**	**59,141**	**-**	**-**	**-**
REVENUE ADJUSTMENTS	**(59,141)**	**59,141**	**-**	**-**	**-**
EXPENSE					
SALARY, WAGES & BENEFITS					
- Environmental Coordinator II conversion replace	41,681	834	-	-	-
- Environmental Coordinator II conversion replace	(25,715)	(514)	-	-	-
- Engineer in Training RFT	27,894	558	-	-	-
- Financial Analyst - Utilities	-	37,697	-	-	-
- 2019 One-Time Program New Request	59,141	(59,141)	-	-	-
- Operating Impact from ToL Capital Construction	-	30,621	77,052	38,888	-
SALARY, WAGES & BENEFITS	**103,001**	**10,055**	**77,052**	**38,888**	**-**
SERVICE AND MAINTENANCE CONTRACTS					
- Operating Impact from ToL Capital Construction	-	7,408	18,642	-	-
SERVICE AND MAINTENANCE CONTRACTS	**-**	**7,408**	**18,642**	**-**	**-**
EQUIPMENT & VEHICLE RENTALS					
- Operating Impact from ToL Capital Construction	-	494	1,243	-	-
EQUIPMENT & VEHICLE RENTALS	**-**	**494**	**1,243**	**-**	**-**
MATERIALS & SUPPLIES					
- Operating Impact from ToL Capital Construction	-	9,878	24,855	-	-
MATERIALS & SUPPLIES	**-**	**9,878**	**24,855**	**-**	**-**
UTILITY USER FEES					
- Operating Impact from ToL Capital Construction	-	494	1,243	-	-
UTILITY USER FEES	**-**	**494**	**1,243**	**-**	**-**
OTHER SUPPLIES AND EXPENSES					
- Operating Impact from ToL Capital Construction	-	494	1,243	-	-
OTHER SUPPLIES AND EXPENSES	**-**	**494**	**1,243**	**-**	**-**
FISCAL SERVICES	**-**	**-**	**4,580**	**4,580**	**4,580**
TOTAL EXPENSE ADJUSTMENTS	**103,001**	**28,823**	**128,858**	**43,468**	**4,580**
TOTAL NET DISCRETIONARY ADJUSTMENTS	**43,860**	**87,964**	**128,858**	**43,468**	**4,580**

TOWNSHIP OF LANGLEY
SEWER UTILITY
2019-2023 OPERATING BUDGET

	2018 BUDGET (Base)	2019 Change	2019 Budget	2020 Change	2020 Budget	2021 Change	2021 Budget	2022 Change	2022 Budget	2023 Change	2023 Budget
RATES REVENUE											
Utility Levies		(332,200)	(15,753,069)	-	(17,768,160)	-	(19,607,921)	-	(21,032,633)	-	(22,723,421)
Estimated New Growth		(315,061)	(315,061)	(355,363)	(355,363)	(392,158)	(392,158)	(420,653)	(420,653)	(454,468)	(454,468)
Utility Levy increase		(1,700,030)	(1,700,030)	(1,484,398)	(1,484,398)	(1,032,554)	(1,032,554)	(1,270,135)	(1,270,135)	(835,296)	(835,296)
	(15,420,869)	(2,347,291)	(17,768,160)	(1,839,761)	(19,607,921)	(1,424,712)	(21,032,633)	(1,690,788)	(22,723,421)	(1,289,764)	(24,013,185)
NON-RATES REVENUE											
Sales of Services	(362,443)	(21,059)	(383,502)	-	(383,502)	-	(383,502)	-	(383,502)	-	(383,502)
Investment Income	(135,000)	-	(135,000)	-	(135,000)	-	(135,000)	-	(135,000)	-	(135,000)
Transfer from Own Funds	-	(168,535)	(168,535)	168,535	-	-	-	-	-	-	-
External Unidentified Revenue	(150,000)	-	(150,000)	-	(150,000)	-	(150,000)	-	(150,000)	-	(150,000)
TOTAL REVENUE	**(16,068,312)**	**(2,536,885)**	**(18,605,197)**	**(1,671,226)**	**(20,276,423)**	**(1,424,712)**	**(21,701,135)**	**(1,690,788)**	**(23,391,923)**	**(1,289,764)**	**(24,681,687)**
EXPENSE											
Salaries, Wages & Benefits	2,360,623	236,005	2,596,628	493,838	3,090,466	-	3,090,466	-	3,090,466	-	3,090,466
Service and Maintenance Contracts	648,442	59,381	707,823	142,063	849,886	215	850,101	221	850,322	226	850,548
Consulting and Professional Services	130,456	41,914	172,370	(71,914)	100,456	-	100,456	-	100,456	-	100,456
Regional Charges/Recoveries	7,571,091	2,056,599	9,627,690	866,496	10,494,186	1,303,509	11,797,695	1,493,332	13,291,027	1,129,304	14,420,331
Fuel	10,981	71	11,052	148	11,200	151	11,351	154	11,505	155	11,660
Equipment and Vehicle Rental	339,702	8,159	347,861	12,813	360,674	5,109	365,783	5,197	370,980	5,288	376,268
Communication and Technology	29,494	157	29,651	61	29,712	75	29,787	50	29,837	75	29,912
Insurance	15,057	-	15,057	-	15,057	-	15,057	-	15,057	-	15,057
Materials and Supplies	536,826	11,106	547,932	126,957	674,889	-	674,889	-	674,889	-	674,889
Utility User Fees	161,086	3,698	164,784	11,436	176,220	3,791	180,011	3,877	183,888	3,964	187,852
Debt Principal and Interest	667,944	-	667,944	-	667,944	-	667,944	-	667,944	-	667,944
Internal Charges & Recoveries	914,154	121,070	1,035,224	81,461	1,116,685	50,053	1,166,738	124,912	1,291,650	86,445	1,378,095
Transfer to Own Funds	2,161,353	-	2,161,353	-	2,161,353	-	2,161,353	-	2,161,353	-	2,161,353
Contribution to Capital	243,396	-	243,396	-	243,396	-	243,396	-	243,396	-	243,396
External Unidentified	150,000	-	150,000	-	150,000	-	150,000	-	150,000	-	150,000
Other Supplies and Expense	127,707	(1,275)	126,432	7,867	134,299	61,809	196,108	63,045	259,153	64,307	323,460
TOTAL EXPENSE	**16,068,312**	**2,536,885**	**18,605,197**	**1,671,226**	**20,276,423**	**1,424,712**	**21,701,135**	**1,690,788**	**23,391,923**	**1,289,764**	**24,681,687**
SHORTFALL/(SURPLUS)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Estimated New Growth Rate	**2.00%**	**2.00%**	**2.00%**	**2.00%**	**2.00%**
User Rate Increase	**10.79%**	**8.35%**	**5.27%**	**6.04%**	**3.68%**
Approximate value of a 1% Utility Increase	**157,500**	**177,700**	**196,100**	**210,300**	**227,200**

Township of Langley
FIVE YEAR OPERATING PLAN
SEWER UTILITY - NON-DISCRETIONARY ADJUSTMENTS

	2019	2020	2021	2022	2023
SALES OF SERVICES					
- Secondary Suite Program	(39,800)	-	-	-	-
- Sewer Connection fee process change (now recoverable)	20,000	-	-	-	-
- Sewer Connection fees (mostly recoverable)	(1,000)	-	-	-	-
- Recovery Revenue (offset expenditures)	(259)	-	-	-	-
SALES OF SERVICES	**(21,059)**	**-**	**-**	**-**	**-**
TRANSFER FROM OWN FUNDS					
- 2018 One-Time Program CFWD	(109,394)	109,394	-	-	-
TRANSFER FROM OWN FUNDS	**(109,394)**	**109,394**	**-**	**-**	**-**
REVENUE ADJUSTMENTS	**(130,453)**	**109,394**	**-**	**-**	**-**
EXPENSE					
SALARY, WAGES & BENEFITS					
- Collective Bargaining and Contract Increases	47,462	48,411	-	-	-
- Employer Health Tax	43,761	875	-	-	-
- Step/Increment	12,432	-	-	-	-
- Return to Work Coordinator	5,000	5,000	-	-	-
- Source Control Program	20,000	-	-	-	-
- Operating Impact from Development Capital Works	4,349	87	-	-	-
SALARY, WAGES & BENEFITS	**133,004**	**54,373**	**-**	**-**	**-**
SERVICE AND MAINTENANCE CONTRACTS					
- Surrey Dispatching Contract	205	209	215	221	226
- Source Control Program	20,000	-	-	-	-
- 2018 One-Time Program CFWD	37,480	(37,480)	-	-	-
- Operating Impact from Development Capital Works	1,696	-	-	-	-
SERVICE AND MAINTENANCE CONTRACTS	**59,381**	**(37,271)**	**215**	**221**	**226**
CONSULTING & PROFESSIONAL SERVICES					
- Remove provision for sewer work on 20157 62ave	(30,000)	-	-	-	-
- 2018 One-Time Program CFWD	70,052	(70,052)	-	-	-
- 2018 One-Time Program CFWD	1,862	(1,862)	-	-	-
CONSULTING & PROFESSIONAL SERVICES	**41,914**	**(71,914)**	**-**	**-**	**-**
- Greater Vancouver Sewer and Drainage District Levy	2,026,599	866,496	1,303,509	1,493,332	1,129,304
- Effluent Transmission (Inter-Jurisdictional)	30,000	-	-	-	-
REGIONAL DISTRICT CHARGES	**2,056,599**	**866,496**	**1,303,509**	**1,493,332**	**1,129,304**
FUEL					
- Diesel	71	148	151	154	155
FUEL	**71**	**148**	**151**	**154**	**155**
EQUIPMENT & VEHICLE RENTALS					
- Vehicle & Equipment Monthly Unit Rental	1,692	935	956	974	993
- Vehicle & Equipment Hourly Unit Rental	5,203	2,879	2,937	2,995	3,056
- Equipment and Vehicle Rental - External (Hired)	1,190	1,201	1,214	1,226	1,237
- Operating Impact from Development Capital Works	74	1	2	2	2
EQUIPMENT & VEHICLE RENTALS	**8,159**	**5,016**	**5,109**	**5,197**	**5,288**
COMMUNICATION AND TECHNOLOGY					
- Metro Vancouver Geospatial	157	61	75	50	75
COMMUNICATION AND TECHNOLOGY	**157**	**61**	**75**	**50**	**75**
MATERIALS & SUPPLIES					
- Source Control Program	10,000	10,000	-	-	-
- Operating Impact from Development Capital Works	1,106	-	-	-	-
MATERIALS & SUPPLIES	**11,106**	**10,000**	**-**	**-**	**-**
UTILITY USER FEES					
- Electricity	3,624	3,706	3,789	3,875	3,962
- Operating Impact from Development Capital Works	74	2	2	2	2
UTILITY USER FEES	**3,698**	**3,708**	**3,791**	**3,877**	**3,964**
DEBT PRINCIPAL AND INTEREST					
INTERNAL CHARGES & RECOVERIES					
- Administrative overhead - Outstanding	121,070	81,461	50,053	124,912	86,445
INTERNAL CHARGES & RECOVERIES	**121,070**	**81,461**	**50,053**	**124,912**	**86,445**
OTHER SUPPLIES AND EXPENSES					
- Operations Overflow Parking Lot	(1,349)	-	-	-	-
- Operating Impact from Development Capital Works	74	-	-	-	-
OTHER SUPPLIES AND EXPENSES	**(1,275)**	**-**	**-**	**-**	**-**
FISCAL SERVICES	**-**	**-**	**50,960**	**51,979**	**53,019**
TOTAL EXPENSE ADJUSTMENTS	**2,433,884**	**912,078**	**1,413,863**	**1,679,722**	**1,278,476**
TOTAL NET NON-DISCRETIONARY ADJUSTMENTS	**2,303,431**	**1,021,472**	**1,413,863**	**1,679,722**	**1,278,476**

Township of Langley
FIVE YEAR OPERATING PLAN
SEWER - DISCRETIONARY ADJUSTMENTS

	2019	2020	2021	2022	2023
REVENUE (Non-Rates)					
TRANSFER FROM OWN FUNDS					
- 2019 One-Time Program New Request	(59,141)	59,141	-	-	-
TRANSFER FROM OWN FUNDS	**(59,141)**	**59,141**	**-**	**-**	**-**
REVENUE ADJUSTMENTS	**(59,141)**	**59,141**	**-**	**-**	**-**
EXPENSE					
SALARY, WAGES & BENEFITS					
- Environmental Coordinator II conversion replace	41,681	834	-	-	-
- Environmental Coordinator II conversion replace	(25,715)	(514)	-	-	-
- Engineer in Training RFT	27,894	558	-	-	-
- Financial Analyst - Utilities	-	37,697	-	-	-
- 2019 One-Time Program New Request	59,141	(59,141)	-	-	-
- Operating Impact from ToL Capital Construction	-	460,031	-	-	-
SALARY, WAGES & BENEFITS	**103,001**	**439,465**	**-**	**-**	**-**
SERVICE AND MAINTENANCE CONTRACTS					
- Operating Impact from ToL Capital Construction	-	179,334	-	-	-
SERVICE AND MAINTENANCE CONTRACTS	**-**	**179,334**	**-**	**-**	**-**
EQUIPMENT & VEHICLE RENTALS					
- Operating Impact from ToL Capital Construction	-	7,797	-	-	-
EQUIPMENT & VEHICLE RENTALS	**-**	**7,797**	**-**	**-**	**-**
MATERIALS & SUPPLIES					
- Operating Impact from ToL Capital Construction	-	116,957	-	-	-
MATERIALS & SUPPLIES	**-**	**116,957**	**-**	**-**	**-**
UTILITY USER FEES					
- Operating Impact from ToL Capital Construction	-	7,728	-	-	-
UTILITY USER FEES	**-**	**7,728**	**-**	**-**	**-**
FISCAL SERVICES	**-**	**7,867**	**10,849**	**11,066**	**11,288**
TOTAL EXPENSE ADJUSTMENTS	**103,001**	**759,148**	**10,849**	**11,066**	**11,288**
TOTAL NET DISCRETIONARY ADJUSTMENTS	**43,860**	**818,289**	**10,849**	**11,066**	**11,288**

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TOWNSHIP OF LANGLEY
SOLID WASTE UTILITY
2019-2023 OPERATING BUDGET

	2018 BUDGET (Base)	2019 Changes	2019 Budget	2020 Changes	2020 Budget	2021 Changes	2021 Budget	2022 Changes	2022 Budget	2023 Changes	2023 Budget
RATES REVENUE											
Utility Levies		(64,100)	(6,898,674)		(8,118,829)		(8,415,211)		(8,711,898)		(9,008,585)
Estimated New Growth		(137,100)	(137,100)	(137,940)	(137,940)	(137,940)	(137,940)	(137,940)	(137,940)	(137,940)	(137,940)
Utility Levy increase	-	(1,083,055)	(1,083,055)	(158,442)	(158,442)	(158,747)	(158,747)	(158,747)	(158,747)	(158,842)	(158,842)
	(6,834,574)	(1,284,255)	(8,118,829)	(296,382)	(8,415,211)	(296,687)	(8,711,898)	(296,687)	(9,008,585)	(296,782)	(9,305,367)
NON-RATES REVENUE											
Service Cost Sharing	-	(13,000)	(13,000)	-	(13,000)	-	(13,000)	-	(13,000)	-	(13,000)
Sales of Services	(18,922)	(10,240)	(29,162)	(272)	(29,434)	-	(29,434)	-	(29,434)	-	(29,434)
Investment Income	(40,000)	-	(40,000)	-	(40,000)	-	(40,000)	-	(40,000)	-	(40,000)
External Unidentified Revenue	(150,000)	-	(150,000)	-	(150,000)	-	(150,000)	-	(150,000)	-	(150,000)
TOTAL REVENUE	**(7,043,496)**	**(1,307,495)**	**(8,350,991)**	**(296,654)**	**(8,647,645)**	**(296,687)**	**(8,944,332)**	**(296,687)**	**(9,241,019)**	**(296,782)**	**(9,537,801)**
EXPENSE											
Salaries, Wages & Benefits	637,304	34,842	672,146	37,191	709,338	-	709,338	-	709,338	-	709,338
Service and Maintenance Contracts	5,343,203	978,802	6,322,005	224,872	6,546,877	301,750	6,848,627	306,979	7,155,606	312,208	7,467,814
Consulting and Professional Services	20,000	-	20,000	-	20,000	-	20,000	-	20,000	-	20,000
Equipment and Vehicle Rental	17,666	471	18,137	261	18,398	266	18,664	271	18,935	277	19,212
Communication and Technology	10,160	-	10,160	-	10,160	-	10,160	-	10,160	-	10,160
Insurance	200	-	200	-	200	-	200	-	200	-	200
Materials and Supplies	103,802	-	103,802	-	103,802	-	103,802	-	103,802	-	103,802
Internal Charges & Recoveries	393,944	5,029	398,973	42,855	441,828	12,038	453,866	19,358	473,224	18,183	491,407
Transfer to Own Funds	294,834	288,351	583,185	(8,525)	574,659	(31,554)	543,105	(45,089)	498,016	(50,100)	447,916
Contribution to Capital	50,000	-	50,000	-	50,000	-	50,000	-	50,000	-	50,000
External Unidentified	150,000	-	150,000	-	150,000	-	150,000	-	150,000	-	150,000
Other Supplies and Expense	22,383	-	22,383	-	22,383	14,187	36,570	15,168	51,738	16,214	67,952
TOTAL EXPENSE	**7,043,496**	**1,307,495**	**8,350,991**	**296,654**	**8,647,645**	**296,687**	**8,944,332**	**296,687**	**9,241,019**	**296,782**	**9,537,801**
SHORTFALL/(SURPLUS)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Estimated New Growth Rate	**1.99%**	**1.70%**	**1.64%**	**1.58%**	**1.53%**
User Rate Increase (Decrease)	**15.70%**	**1.95%**	**1.89%**	**1.82%**	**1.76%**
Approximate value of a 1% Utility Increase	**69,000**	**81,200**	**84,200**	**87,100**	**90,100**

Township of Langley
FIVE YEAR OPERATING PLAN
SOLID WASTE UTILITY - NON-DISCRETIONARY ADJUSTMENTS

	2019	2020	2021	2022	2023
REVENUE (Non-Rates)					
- Household Hazardous Waste Program (Cost Share)	(13,000)	-	-	-	-
.	**(13,000)**	**-**	**-**	**-**	**-**
SALES OF SERVICES					
- Cart Management - Exchange/Pickup/Additional Cart Fee	(5,240)	(272)	-	-	-
- Extra Waste Stickers	(5,000)	-	-	-	-
SALES OF SERVICES	**(10,240)**	**(272)**	**-**	**-**	**-**
REVENUE ADJUSTMENTS	**(23,240)**	**(272)**	**-**	**-**	**-**
EXPENSE					
SALARY, WAGES & BENEFITS					
- Contract increase	12,833	13,089			
- Employer Health Tax	12,667	253			
- Step/Increment	4,342	-			
- Return to Work Coordinator	5,000	5,000			
SALARY, WAGES & BENEFITS	**34,842**	**18,342**	**-**	**-**	**-**
SERVICE AND MAINTENANCE CONTRACTS					
- Waste Collection	368,354	79,711	79,425	79,425	79,425
- Waste Disposal	123,113	90,461	114,368	119,597	124,826
- Organics Collection	355,983	74,171	73,917	73,917	73,917
- Organics Processing	88,266	(22,210)	29,189	29,189	29,189
- Extra Waste Stickers	3,165	-	-	-	-
- GPS Unit Fees Garbage	(8,700)	-	-	-	-
- Cart Management - Exchange/Pickup/Additional Cart Fee	9,925	(1,555)	-	-	-
- Waste Collection - Large Pickup Item/Mattresses	10,024	4,967	4,851	4,851	4,851
- New Resident Cart Delivery	672	(673)	-	-	-
- Cart Storage	3,000				
- Household Hazardous Waste Program (Cost Share)	25,000				
SERVICE AND MAINTENANCE CONTRACTS	**978,802**	**224,872**	**301,750**	**306,979**	**312,208**
EQUIPMENT & VEHICLE RENTALS					
- Vehicle & Equipment Monthly Unit Rental	439	243	248	253	258
- Vehicle & Equipment Hourly Unit Rental	32	18	18	18	19
EQUIPMENT & VEHICLE RENTALS	**471**	**261**	**266**	**271**	**277**
- Administrative overhead	5,029	42,855	12,038	19,358	18,183
INTERNAL CHARGES & RECOVERIES	**5,029**	**42,855**	**12,038**	**19,358**	**18,183**
TRANSFER TO RESERVES					
- Transfer to/(from) Solid Waste Surplus	288,351	(8,525)	(31,554)	(45,089)	(50,100)
TRANSFER TO RESERVES	**288,351**	**(8,525)**	**(31,554)**	**(45,089)**	**(50,100)**
TOTAL EXPENSE ADJUSTMENTS	**1,307,495**	**277,805**	**296,310**	**296,302**	**296,390**
TOTAL NET NON-DISCRETIONARY ADJUSTMENTS	**1,284,255**	**277,533**	**296,310**	**296,302**	**296,390**

Preliminary
2019 Operating Budget: UNIVERSAL SERVICES



67

February 4, 2019

Items Referred to the Budget Process (Operating)

Tree Protection Bylaw
(March 19, 2018, Item I.1)

- Be it resolved that any recommendations requiring additional funds (materials or staffing positions) be a part of the 2019 budget cycle discussion.

Community Input Group Task Force
(March 19, 2018 Item I.2)

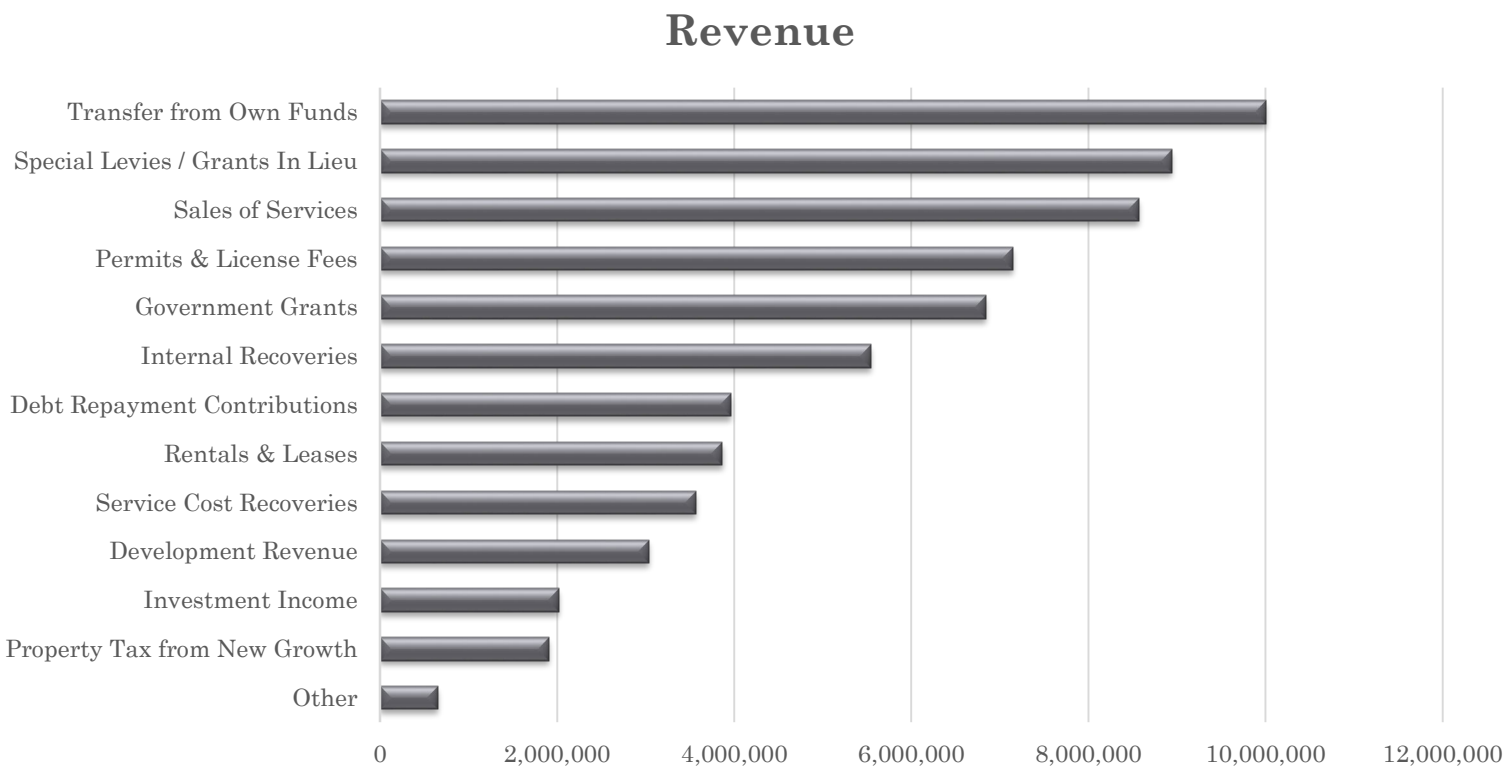
- The Community Input Group Task Force shall deliberate and provide recommendations to council within four months such that it may be an important and significant component in the Township of Langley's Planning Workshop and 2019 budget deliberations.

Langley Care Foundation
(June 11, 2019, Item I.1)

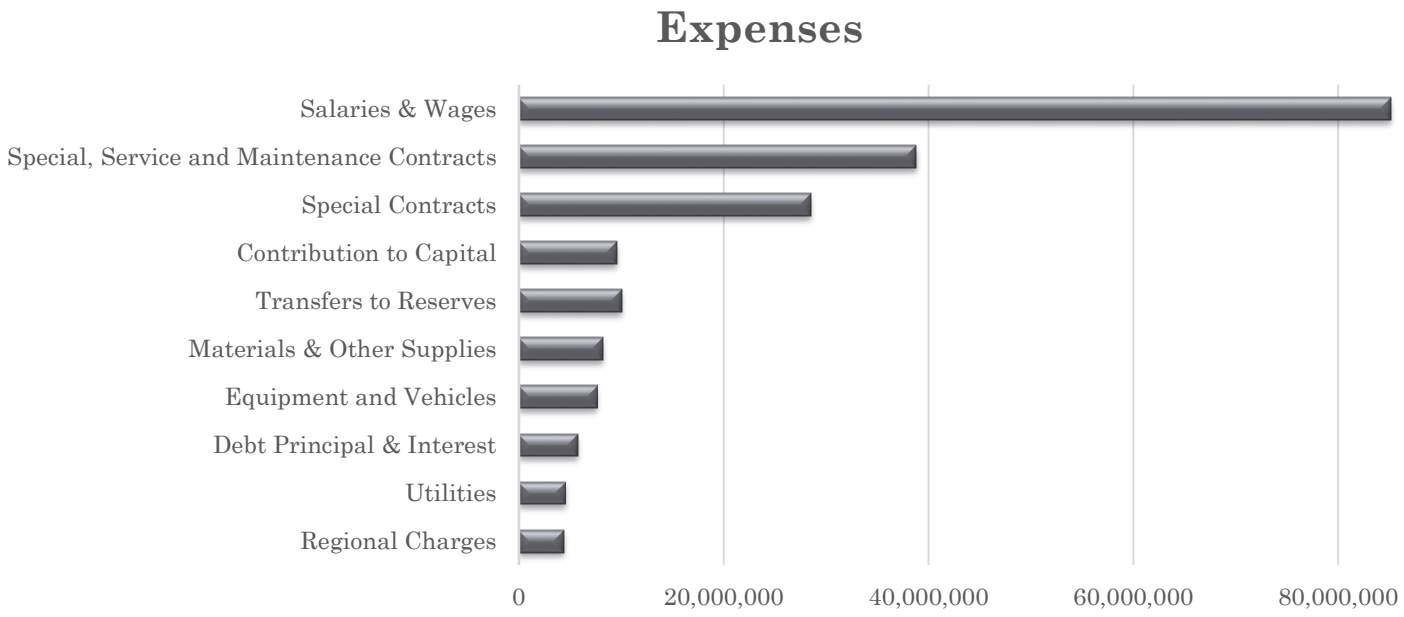
- Therefore be it resolved that the grant request of $33,000 per year, which has been approved in previous years, be included in the 2019-2023 budget.

Drivers	Examples
Property Tax & User Fee Revenue from Growth	New Development
Development Revenue	Building Permits, Application Fees
Other User Fees & Charges	Recreation, Development, Police, Fire, etc.
Salary & Wage Contracts	CUPE, IAFF, Employer Health Payroll Tax, Steps and Increments
Special Contracts	RCMP, FVRL, ECOMM
Regional District & Translink	Transportation and Recycling
Maintenance Contracts	Mowing, Planted Area Maintenance, etc.
Equipment & Vehicle	Internal and External Equipment Costs
Asset Management	Debt, Contributions to Capital, Transfers to Capital Reserves, Asset Maintenance

Revenue Categories for 2019
(Universal Services - excluding Property Taxes)



Cost Categories for 2019
(Universal Services)



2019 Budget…
Guidelines, Issues & Challenges…

- Regional Costs
  (RCMP (Commitment to Protective Services) and FVRL)

- Salary & Wage Contract settlements
  (IAFF in place to 2019; CUPE in place of 2020)

- Employer Health Tax 1.95%
  (New in 2019, Overlaps MSP for one year)

- Operating impact of Township Capital and Community Development

- Commitment to Infrastructure
  - Continued diligence in providing funding levels that support asset maintenance now and into the future
  - Contribution to Capital, Transfer to Reserves

- Commitment to Sustainable Development

Regional Costs
(RCMP & Commitment to Protective Services and FVRL)

The general increase in the RCMP contract from 2018 to 2019, after removing the 2019 annualization of the 4 members ($512,723) approved in 2018, and before the request for three new officers, is **$577,866**.

The largest components of the RCMP contract are:

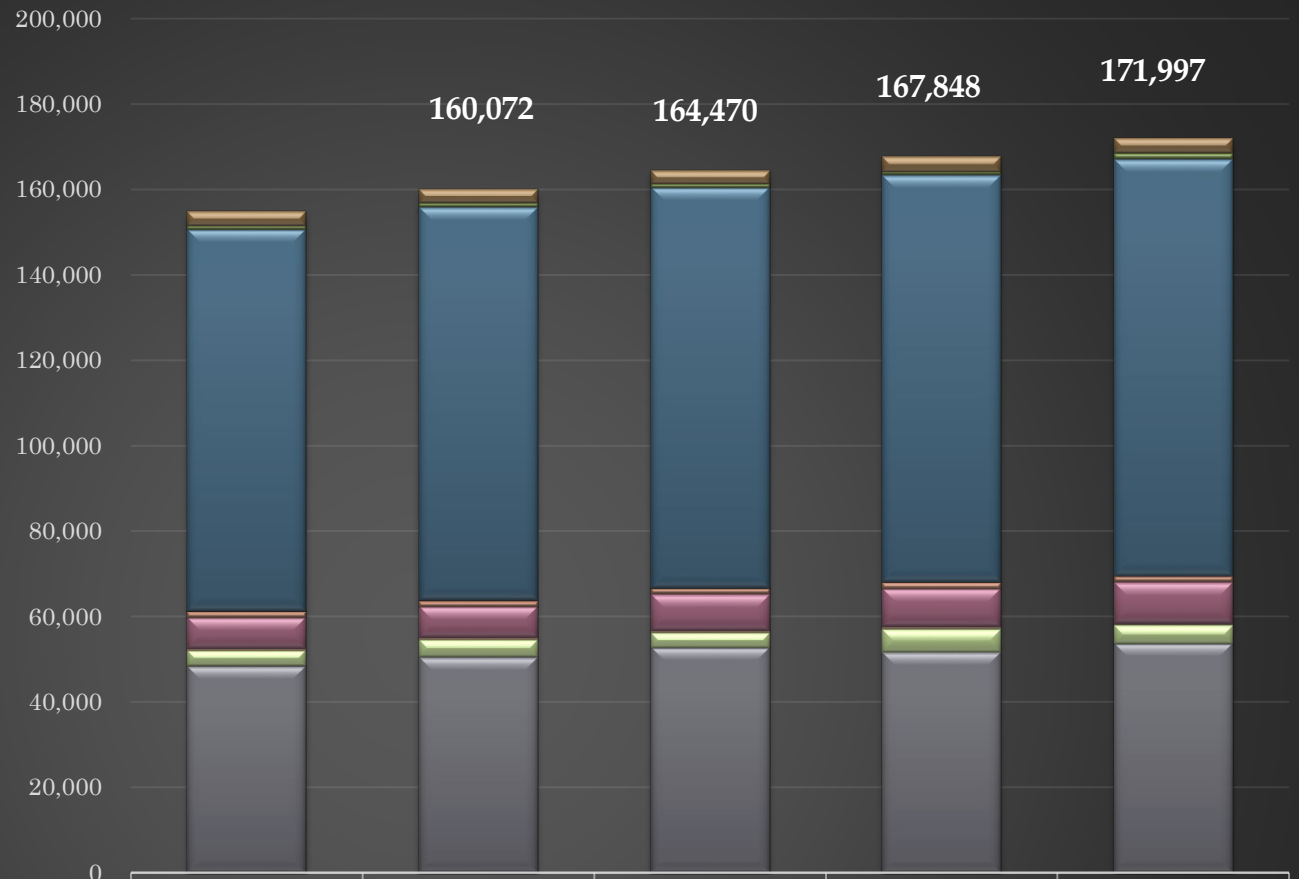
- Salaries
- Indirect Costs (Division Admin, Regular Member Pensions, Recruit Training)

Salaries - RCMP members are and have been without a contract since January 1, 2017. The budget has been prepared based on 2.5% estimated salary increase each year starting from January 1, 2017. This would amount to approximately **$218,422**.

Indirect Costs - With the exception of Member Pension, all indirect costs are charged on a per FTE basis for members. A Member's pension is charged at 19.07% of pensionable salaries, and would therefore increase at the same 2.5% as salaries. The increase in pension is about **$55,322** for 2019.

Division Administration is the largest component of indirect costs and for 2019 is $28,850 per member, or approx. $4,144,000 in total. The increase was approx. 10% over 2018, **$304,122**.

Average Cost per RCMP Member, by Cost Element



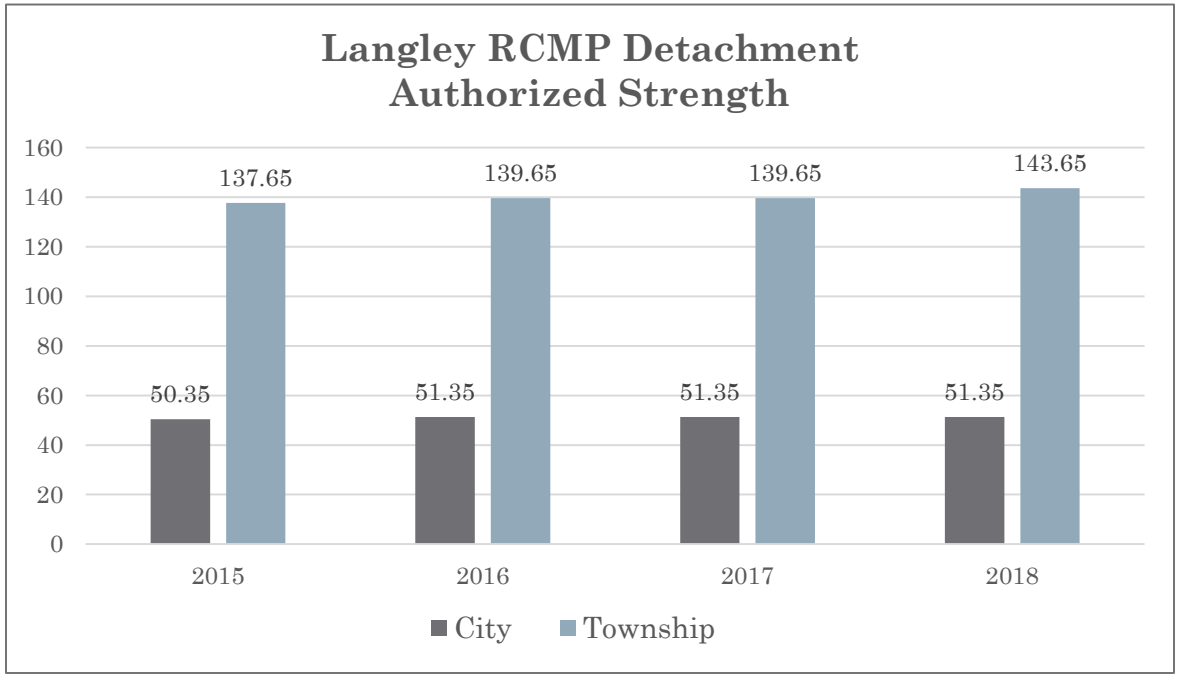
	2015	2016	2017	2018	2019
Utilities, Materials & Supplies	3,259	3,197	3,041	3,637	3,537
Transportation & Telecommunications	937	954	1,045	808	1,329
Salaries	89,242	91,997	93,571	95,285	97,640
Rentals	270	271	278	139	100
Purchased Repair & Maintenance	1,303	1,277	1,310	1,476	1,321
Professional & Special Services	7,385	7,393	8,532	9,006	9,761
Other Subsidies & Payment	391	420	429	438	319
Mach & Equip for Asset Acquisitions	3,620	3,997	3,433	5,382	4,300
Information	12	13	13	12	24
Indirect Costs	48,383	50,553	52,818	51,665	53,666

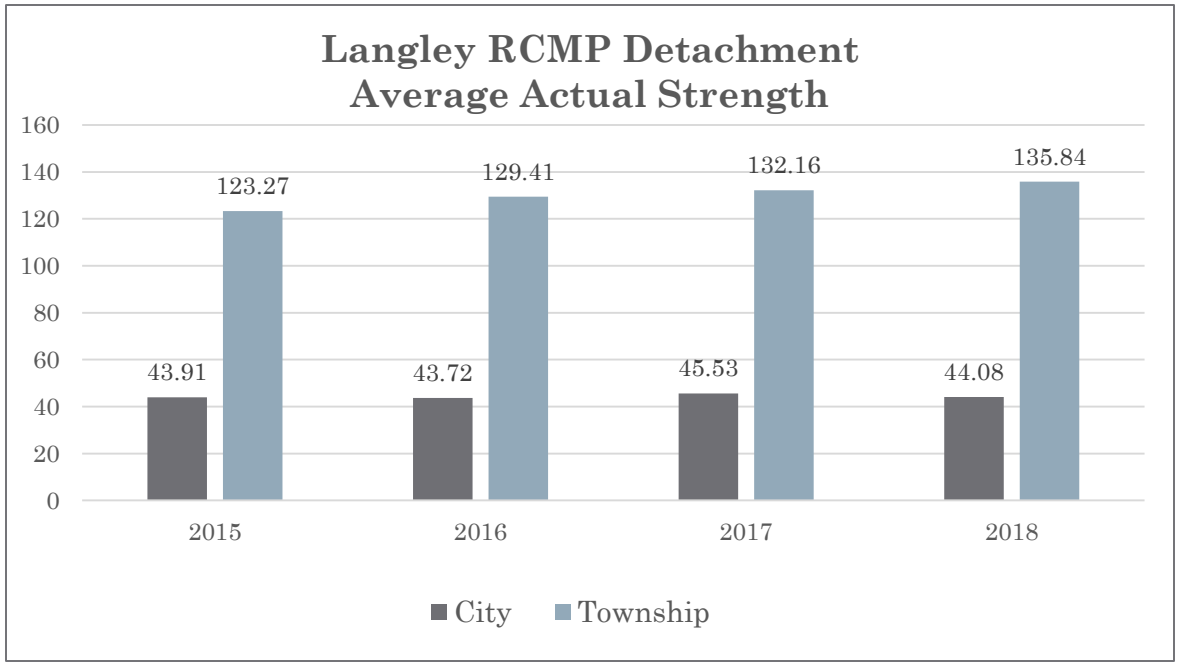
RCMP

'Authorized'

versus

'Average Actual Strength'





Regional Costs

(RCMP & Commitment to Protective Services and FVRL)

EXECUTIVE SUMMARY

The Proposed 2019 Budget provided two options for Board consideration:

Option 1: BASE
An increase in total Member Assessment of $762,422 or 3% over 2018.

Option 2: Option 1 + Additional 2% on Materials (bringing to 4%)
An increase in total Member Assessment of $848,829 or 3.34% over 2018.

BOTH Option 1 and Option 2 would be increased to include:

-An assessment to JUST the City of Port Coquitlam for incremental costs for its new Terry Fox Library anticipated to open in mid-2019 of:$323,492 for ½ years annual operating costs ($86,592) and one-time capital and materials purchases ($6,900 and $345,000-$115,000 respectively), and

-A one-time contribution from FVRL's Library Materials Collections Reserve of $115,000 to the City of Port Coquitlam to fund 1/3 of the new materials purchase.

At the May 2018 Board Meeting, the Board resolved to support option 2.

	Langley City	Langley Township	White Rock	Delta	Port Coquitlam	Maple Ridge	Pitt Meadows (1)	Total Member Assessment
2018 Member Assessment	1,307,626	4,215,114	927,101	3,701,944	1,748,053	2,813,403	1,007,366	25,414,057
2019 Member Assessment								
Option 1 - Base	1,346,855	4,341,568	954,914	3,813,002	1,800,495	2,897,805	1,037,587	26,176,478
Dollar Change over 2018	39,229	126,453	27,813	111,058	52,442	84,402	30,221	762,422
Percent Change over 2018	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
Option 2 - Base+ Additional 2% for Materials	1,351,301	4,355,899	958,066	3,825,588	1,806,438	2,907,371	1,041,012	26,262,886
Dollar Change over 2018	43,675	140,785	30,965	123,645	58,385	93,968	33,646	848,829
Percent Change over 2018	3.34%	3.34%	3.34%	3.34%	3.34%	3.34%	3.34%	3.34%

	FVRD	Kent	Hope	Chilliwack	Metro Vancouver	Harrison Hot Springs	Abbotsford	Mission
2018 Member Assessment	256,897	325,924	339,004	3,189,541	2,000	65,020	4,112,427	1,402,639
2019 Member Assessment								
Option 1 - Base	264,604	335,701	349,174	3,285,227	2,060	66,970	4,235,800	1,444,718
Dollar Change over 2018	7,707	9,778	10,170	95,686	60	1,951	123,373	42,079
Percent Change over 2018	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
Option 2 - Base+ Additional 2% for Materials	265,477	336,810	350,327	3,296,071	2,067	67,191	4,249,782	1,449,487
Dollar Change over 2018	8,580	10,886	11,323	106,531	67	2,172	137,355	46,848
Percent Change over 2018	3.34%	3.34%	3.34%	3.34%	3.34%	3.34%	3.34%	3.34%

Salary & Wages *(in thousands)*

(Contract Settlements & Employer Health Tax)

	TOTAL	PARKS	TRANSP	STORM	FIRE	POLICE	REC & CULT	FACILITY	GENERAL
Contract Increases	**1,589**	96	161	48	352	160	266	76	430
Percentage increase in S&W	2.04%	2.01%	1.90%	2.02%	2.34%	1.99%	2.06%	1.91%	1.93%
Employer Health Tax	**1,483**	85	145	44	296	160	254	69	430
Percentage increase in S&W	1.90%	1.78%	1.71%	1.86%	1.97%	1.99%	1.97%	1.73%	1.93%
Steps/Increments	**376**	33	39	13	152	(10)	(7)	(16)	172
	3,448	**214**	**345**	**105**	**800**	**310**	**513**	**129**	**1,032**
Portion of a 1% Increase	2.72%	0.17%	0.27%	0.08%	0.63%	0.24%	0.40%	0.10%	0.81%

Operating Impact of **Township Capital** *In full dollars*

	TOTAL	Wages	Service Contracts	Equipment	Material & Supplies	Training & Seminars	Electricity	Water / Sewer
Park Operations	**360,185**	**158,722**	**51,119**	**73,635**	**64,539**	**-**	**11,026**	**1,145**
- Yorkson Community Park Phase 2	116,582	52,271	17,056	23,444	23,046	-	306	459
- Infrastructure Improvements Willoughby Area	75,848	34,076	10,681	15,190	15,190	-	102	610
- WCP Park Repair, Improvement and Enhancement	48,030	18,747	4,132	10,709	4,089	-	10,353	-
- Trail Installation: Nicomekl River Trail	17,875	8,044	2,681	3,575	3,575	-	-	-
- Themic Landscaping: Derek Doubleday Arboretum	15,500	6,975	2,325	3,100	3,100	-	-	-
- Arrival Point and Plaza:McLeod Athletic Park	13,665	6,144	2,044	2,749	2,652	-	-	76
- Walnut Grove Community Park Baseball Lighting	13,260	5,834	1,856	2,652	2,652	-	265	-
- Street Tree Planting from Non Refundable Deposits	11,000	4,840	3,080	2,530	550	-	-	-
- Routley Neighbourhood Park: Dog Off Leash Area	10,200	4,590	1,530	2,040	2,040	-	-	-
- WCP Bike Park	10,000	4,500	1,500	2,000	2,000	-	-	-
- Parking Lot Installation: Topham Park	9,375	4,219	1,406	1,875	1,875	-	-	-
- Aldergrove Credit Union Community Centre - Playgrnd	7,650	3,443	1,148	1,530	1,530	-	-	-
- Trail Development: South Langley Regional Trail	6,400	2,880	960	1,280	1,280	-	-	-
- Trails Planning and Development	4,800	2,160	720	960	960	-	-	-
Roads General	**138,651**	**81,995**	**15,812**	**16,808**	**21,198**	**1,221**	**1,618**	**-**
- Fraser Highway Widening: 232 St to 235 St	37,110	22,266	4,082	4,453	5,567	371	371	-
- Improvements: 16 Avenue Corridor	34,844	20,906	3,833	3,981	5,227	348	548	-
- Fraser Highway Widening 269 St to 271 St	17,370	10,422	1,911	2,034	2,606	174	224	-
- Intersection Improvements: 216 St at 80 Ave	9,948	5,969	1,094	1,144	1,492	99	149	-
- Intersection Improvement 208 St and 40 Ave	6,685	4,021	735	802	1,003	62	62	-
- North Langley Connector Phase 1	6,680	4,142	735	802	1,002	-	-	-
- Road Construction 198 St and 70 Ave fronting Routley Park	5,195	3,117	571	623	779	52	52	-
- Signal Installation 202A St at 76 Ave	5,000	3,000	550	550	750	50	100	-
- Intersection Improvement: 80 Ave and 212 St	4,948	2,969	544	594	742	49	49	-
- Intersection Improvements: 64 Ave and 232 St	4,686	2,858	515	562	703	-	47	-
- Street Banner Program	4,000	1,000	1,000	1,000	1,000	-	-	-
- Road Construction: 76 Avenue; 200 Street to 20100 Block	1,484	891	163	178	223	15	15	-
- Sidewalk: 96 Ave in Fort Langley	700	434	77	84	105	-	-	-
Storm General	**32,825**	**11,582**	**763**	**15,028**	**5,452**	**-**	**-**	**-**
- Drainage Improvements: Nathan Creek	30,000	10,000	-	15,000	5,000	-	-	-
- Detention Pond 198A Street at 82 Avenue	2,320	1,299	626	23	371	-	-	-
- Intersection Improvement 208 St and 40 Ave	505	283	136	5	81	-	-	-
Recreation	**505**	**-**	**-**	**505**	**-**	**-**	**-**	**-**
- Vehicle charge budget	505	-	-	505	-	-	-	-
	532,166	**252,299**	**67,694**	**105,976**	**91,188**	**1,221**	**12,644**	**1,145**

Operating Impact of **Contributed Assets** *In full dollars*

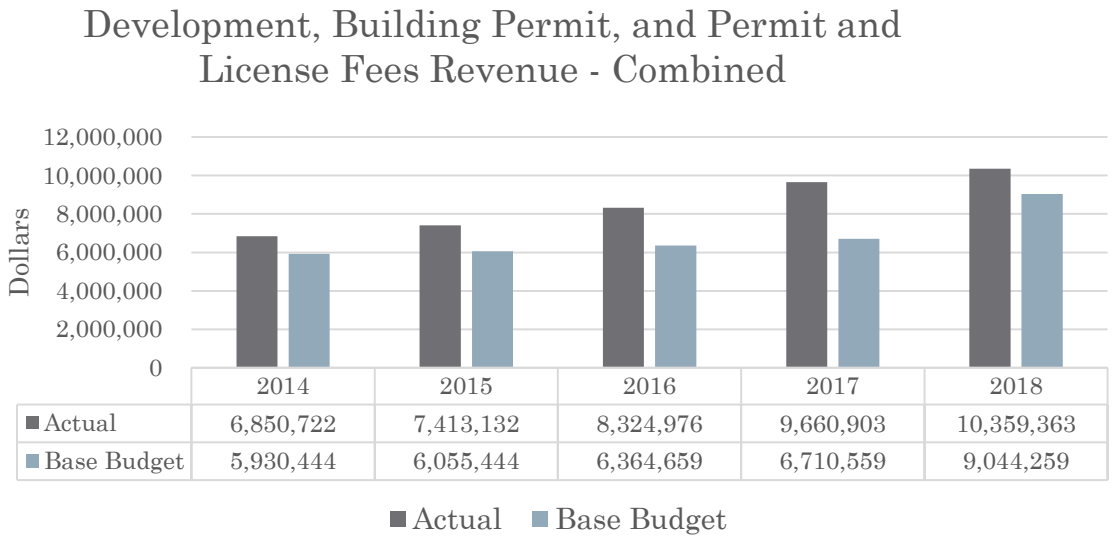
Neighbourhood	Development Description	UNIVERSAL SERVICES	Storm	Roads	Parks
Aldergrove	- Township of Langley/Sanderson	57,287	5,902	24,591	26,794
Brookswood	- OTG Development Concepts	432	377	-	55
Fort Langley	- Reimer	717	-	497	220
Gloucester	- Fraser Valley Driving School	3,770	-	810	2,960
Murrayville	- Leefers	6,256	2,342	3,748	165
Murrayville	- Kelson Investments Ltd	4,013	281	2,852	880
Murrayville	- Carreira	1,652	97	1,281	275
Murrayville	- Fairburn/Wallmark Homes	342	-	67	275
NE Gordon	- Aplin & Martin	7,836	599	5,697	1,540
Routley	- High Quality Homes Ltd	6,397	168	4,019	2,210
Routley	- Essence Properties Inc	5,245	740	2,849	1,657
Rural	- Noort Developments (Meadows)	48,604	6,161	35,462	6,982
Rural	- Shaw	10,977	811	10,166	-
Rural	- Edmondson	9,761	765	8,996	-
Rural	- Martens	9,107	1,265	7,842	-
Rural	- Seventh Day Adventist Church	7,888	1,156	6,733	-
Rural	- EQPREP Earthquake Preparedness	825	384	221	220
Walnut Grove	- Green Grove Homes	2,577	598	1,759	220
Yorkson	- Qualico Development (VCR) Inc	198,234	16,313	72,399	109,522
Yorkson	- 208 Developments Ltd	29,965	4,212	21,244	4,509
Yorkson	- Infinity Properties (Yorkson) Ltd	5,323	703	1,156	3,465
Yorkson	- McElhanney/991159 BC Ltd	2,770	392	867	1,510
		419,978	**43,264**	**213,255**	**163,460**

Commitment to Infrastructure
From Operating Funds…

Parks	• Contribution to Capital • Transfer to Capital Reserve & Surplus • Debt Servicing • Asset Maintenance
Transportation	• Contribution to Capital • Transfer to Capital Reserve • Debt Servicing • Asset Maintenance
Stormwater	• Contribution to Capital • Transfer to Capital Reserve • Debt Servicing • Asset Maintenance
General Fund	• Contribution to Capital • Transfer to Capital Reserve & Surplus • Debt Servicing • Asset Maintenance

Commitment to Sustainable Development
($323,700 Development Revenue Service Enhancement)

82



	2014	2015	2016	2017	2018
Actual	6,850,722	7,413,132	8,324,976	9,660,903	10,359,363
Base Budget	5,930,444	6,055,444	6,364,659	6,710,559	9,044,259

Summary of Budget Changes

(by Cost & Revenue Categories)

NON DISCRETIONARY (in $000's)	**Universal Services**
Salary & Wages – Contract Provisions	1,643
Salary & Wages – Employer Health Tax	1,542
Salary & Wages – Steps/Increments ($377K) and Other ($398K)	775
Facility Contracts Increases ($721K) and ACUCC ($550K)	1,271
RCMP Contract ($578K) & Annualize 4 Members Hired Oct 1/18 ($513K)	1,091
Operating Impact of Township Capital ($532K) and Development ($420K)	952
Capital Infrastructure Renewal and Replacement Reserve	500
Service and Maintenance Contracts – Other	490
Parks, Roads and Storm Contract Increases	362
Fuel, Equipment and Vehicle Costs	304
Supplies and Other	280
Communication and Technology Contract Increases	211
Revenue Increases	(1,013)
Property Tax Revenue from Growth (estimate 1.50%)	(1,904)
TOTAL Base Budget Increase	**6,504**
Tax/User Fee Increase Required for Base	**5.12%**

Discretionary Requests (in $000's) ENGINEERING and COMMUNITY DEVELOPMENT	Division	Universal Services
Contribution to Capital – Roads ($500), Facilities ($450K)	Engineer	950
Plumbing Technician and Auxiliary Backfill	Facilities	117
Engineer in Training (Split 5 ways including Water and Sewer)	Engineer	56
Engineering Technologist II ($93K - $62.5K)	Roads	30
Sustainability Program Specialist (TFT: $92K less Grant $62.5K)	Roads	30
Engineering		**1,183**
Senior Planner	Com Dev	134
Permit Coordinator	Com Dev	106
Landscape Design Technician	Com Dev	79
Bylaw Clerk	Com Dev	62
Development Revenue	Township	(324)
Community Development		**57**
TOTAL REQUESTS (Engineering / Community Development)		**1,240**

Discretionary Requests (in $000's) PARKS and GENERAL	Division	Universal Services
RCMP 3 Members starting January 1st	Police	516
Contribution to Capital –Parks ($400K)	Various	400
Senior Business Application Analysts (2)	Corp Admin	211
Senior Property Negotiator	Corp Admin	121
Senior Network Infrastructure Analyst	Corp Admin	105
GIS Analyst	Corp Admin	97
Weight Room Staffing (various facilities)	Recreation	71
Payroll Clerk	Human Res	69
Lead Hand Guard (Shared Resource)	Police	55
Security (various facilities)	Recreation	50
Clerical Staff Support (Continuing migration to CBS)	Recreation	45
TOTAL REQUESTS (SLIDE 2)		**1,740**
TOTAL REQUESTS (SLIDE 1)		**1,240**
GRAND TOTAL		**2.980**

NON DISCRETIONARY (in $000's)	**Universal Services**
Salary & Wages – Contract Provisions	1,643
Salary & Wages – Employer Health Tax	1,542
Salary & Wages – Steps/Increments ($377K) and Other ($398K)	775
Facility Contracts Increases ($721K) and ACUCC ($550K)	1,271
RCMP Contract ($578K) & Annualize 4 Members Hired Oct 1/18 ($513K)	1,091
Operating Impact of Township Capital ($532K) and Development ($420K)	952
Capital Infrastructure Renewal and Replacement Reserve	500
Service and Maintenance Contracts – Other	490
Parks, Roads and Storm Contract Increases	362
Fuel, Equipment and Vehicle Costs	304
Supplies and Other	280
Communication and Technology Contract Increases	211
Revenue Increases	(1,013)
Property Tax Revenue from Growth (estimate 1.50%)	(1,904)
TOTAL Base Budget Increase	**6,504**
Property Tax Increase Required for Base	**5.12%**
ADD: Discretionary Additions	**2,980**
TOTAL W/Discretionary Items	**2.35%**
TOTAL Non-Discretionary and Discretionary Budget Increase	**9,484**
Property Tax Increase Required for Base plus Discretionary	**7.47%**

88

Property Tax (%)



Estimated Impact on a Representative House

(Municipal Statistics $942,948)

Property Tax / User Pay Utilities	2018	Change	% Change	2019
Property Tax Increase	1,984	148	7.47%	2,132



Estimated Impact on a Representative House

(Municipal Statistics $942,948)

Property Tax	2018	Change	% Change	2019
Property Tax Increase (General $1,984, FVRL $66 = $2,050)	1,984	148	7.47%	2,132

704 - Taxes and Charges on a Representative House - 2018

Municipalities	Type	RD	House Value	School	General Municipal Total	Regional District	Hospital	BCA, MFA and Other	Total Res Variable Rate Taxes	Total Res Parcel Taxes	Total Res. User Fees	Total Residential Property Taxes And Charges
West Vancouver	D	GVR	3,726,218	2,887	4,670	162	0	939	8,657	0	1,811	10,468
White Rock	C	GVR	1,581,097	1,839	3,578	72	0	398	5,887	0	901	6,788
Port Moody	C	GVR	1,328,240	1,509	3,285	62	0	335	5,190	0	1,124	6,314
Vancouver	C	GVR	2,467,292	2,209	3,069	107	0	622	6,008	0	1,371	7,379
New Westminster	C	GVR	1,174,660	1,442	2,945	55	0	296	4,738	0	1,508	6,246
North Vancouver	D	GVR	1,809,338	1,749	2,881	79	0	456	5,165	0	1,617	6,782
North Vancouver	C	GVR	1,656,356	1,601	2,788	74	0	417	4,880	0	1,059	5,939
Anmore	V	GVR	1,958,255	2,224	2,593	344	0	804	5,965	0	1,231	7,196
Lions Bay	V	GVR	1,788,279	1,385	2,584	91	0	729	4,789	365	2,639	7,794
Richmond	C	GVR	1,700,155	1,815	2,576	72	0	428	4,892	0	1,199	6,091
Coquitlam	C	GVR	1,270,465	1,443	2,569	56	0	320	4,388	429	798	5,615
Burnaby	C	GVR	1,650,008	1,715	2,485	69	0	416	4,685	541	700	5,927
Delta	C	GVR	1,033,862	1,171	2,395	46	0	373	3,985	0	1,060	5,045
Maple Ridge	C	GVR	787,088	1,050	2,358	37	0	198	3,644	206	975	4,825
Port Coquitlam	C	GVR	960,237	1,091	2,343	43	0	242	3,718	25	953	4,697
Abbotsford	C	FVR	688,379	1,031	2,311	60	101	28	3,531	0	745	4,276
Bowen Island	D	GVR	1,060,757	822	2,265	44	0	573	3,705	597	1,467	5,769
Mission	D	FVR	667,876	937	2,152	49	98	27	3,264	0	1,208	4,472
Langley	C	GVR	827,788	1,027	2,057	40	0	209	3,333	0	1,039	4,372
Pitt Meadows	C	GVR	747,685	998	2,053	36	0	188	3,275	0	947	4,222
Langley	D	GVR	942,948	1,170	**2,050**	41	0	238	3,499	0	1,232	4,731
Surrey	C	GVR	1,118,577	1,301	2,020	48	0	282	3,651	323	1,026	5,000
Chilliwack	C	FVR	554,246	912	1,803	51	81	157	3,005	0	741	3,746
Belcarra	V	GVR	1,520,221	1,727	1,573	326	0	606	4,231	973	1,182	6,386
Hope	D	FVR	351,563	692	1,544	357	51	14	2,659	85	704	3,449
Harrison Hot Springs	V	FVR	527,341	1,038	1,431	112	77	131	2,790	0	1,037	3,826
Kent	D	FVR	441,685	869	1,318	39	65	18	2,308	0	792	3,101



Estimated Impact on a Representative House

(Municipal Statistics $942,948)

Property Tax / User Pay Utilities	2018	Change	% Change	2019
Property Tax Increase	1,984.00	148.00	7.47%	2,132.00
Water	507.23	24.86	4.90%	532.09
Sanitary Sewer	435.08	46.95	10.79%	482.03
Solid Waste	290.00	40.00	below	330.00
TOTAL	3,216.31	259.81	8.08%	3,476.12

Solid Waste		
2018	**120L**	**240L**
Base Rate	140.00	140.00
Cart Rate	75.00	150.00
	215.00	**290.00**
2019	**120L**	**240L**
Base Rate	170.00	170.00
Cart Rate	80.00	160.00
	250.00	**330.00**
Increase	***35.00***	***40.00***
2019 % Increase	**120L**	**240L**
Base Rate	21.43%	21.43%
Cart Rate	6.67%	6.67%
	16.28%	**13.79%**

92

One-Time Project Descriptions	PYS[1]	Non Stat
Council Priority Planning	500,000	
- Major Road Funding Model	100,000	
- Arts, Sports and Entertainment District	provided	
- Affordable and Attainable Mixed Horn Pit Housing	100,000	
- Development Management Processes Review	100,000	
- Tree / Canopy Protection Options / Bylaw	100,000	
- Aldergrove Core Plan – Next Steps	100,000	
Aldergrove Credit Union Community Centre	450,000	
Loan Payable, Internal LAS Loan	165,500	
Corporate Administration Office Renovations	152,000	
Corporate Operating Contingency (Annual)	150,000	
Agricultural Viability Study		135,000
Perfect Mind		126,184
Worksafe COR Revenue	121,932	
Sustainability Green Rebate		70,865
Corporate Administration IT Office Renovations	70,000	
IT / Radio Centre Upgrades	60,000	
Housing Needs Assessment	51,837	
Project Engineering Catch-up (Year 2)[2]	51,688	
Other Items (17 / 5 items average $23.5K / $11K each)	400,314	55,002
	2,173,271	**387,051**

[1]One-Time Expenditure Budget contingent upon adequate prior year surplus funding availability

[2]PLUS: Project Engineering Catch-Up Year 2 (Water and Sewer each $59,141)

That Council receive and refer the 2019 Universal Services Operating Budget to a future special budget meeting of Council for purposes of further consideration, discussion and approval, as received or amended.

OR

That Council receive and refer the 2019 Universal Services Operating Budget to public consultation, as received or amended, in February 2019.

Budget Timeline

Date	Action
Potential Additional Dates	**Feb 5 (Tues), 6 (Wed), 7 (Thurs), 8 (Fri), 9 (Sat)**
February 11	**Draft 2019 Capital & Operating Budget Discussion (Q&A)**
February 12	Public Consultation Period Opens
February 19 and 20	Open Houses (non Council meeting)
February 25	Results of Public Consultation / Draft Five-Year Financial Plan
March 11	Financial Plan Bylaw, 1st, 2nd, 3rd
April 1	Financial Plan Bylaw, Final
April 15	Property Tax Rate, Utility User Fee and Fees and Charges Bylaws, 1st, 2nd, 3rd
May 13	Property Tax Rate, Utility User Fee and Fees and Charges Bylaws, Final
May 24	Property Tax and Utility User Fee Notices Mailed
July 2	Property Tax and Utility User Fee Due Date

Questions and Answers

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TOWNSHIP OF LANGLEY
UNIVERSAL SERVICES
2019-2023 OPERATING BUDGET

	2018 BUDGET (Base)	2019 Change	2019 BUDGET	2020 Change	2020 BUDGET	2021 Change	2021 BUDGET	2022 Change	2022 BUDGET	2023 Change	2023 BUDGET
TAX REVENUE											
Property Tax Base		-	(126,902,011)	-	(138,289,369)	-	(145,919,643)	-	(151,694,907)	-	(157,717,160)
Property Tax from New Growth		(1,903,530)	(1,903,530)	(2,765,787)	(2,765,787)	(2,918,393)	(2,918,393)	(3,028,246)	(3,028,246)	(3,148,691)	(3,148,691)
Property Tax Change		(9,483,828)	(9,483,828)	(4,864,487)	(4,864,487)	(3,160,087)	(3,160,087)	(2,994,008)	(2,994,008)	(2,445,099)	(2,445,099)
	(126,902,011)	**(11,387,358)**	(138,289,369)	**(7,630,274)**	(145,919,643)	**(6,078,480)**	(151,998,123)	**(6,022,253)**	(157,717,160)	**(5,593,790)**	(163,310,950)
NON-TAX REVENUE											
Special Levies/Grants-In-Lieu	(8,697,733)	(242,616)	(8,940,349)	-	(8,940,349)	-	(8,940,349)	-	(8,940,349)	-	(8,940,349)
Government Grants	(5,721,518)	(1,114,399)	(6,835,917)	(54,492)	(6,890,409)	(3,294)	(6,893,703)	(3,294)	(6,896,996)	(67,119)	(6,964,115)
Service Cost Recoveries	(1,204,799)	322,094	(882,706)	(8,913)	(891,619)	(9,086)	(900,704)	(9,086)	(909,790)	(9,262)	(919,052)
Service Cost Sharing	(2,108,310)	(572,497)	(2,680,807)	(17,808)	(2,698,615)	(81,703)	(2,780,318)	(81,703)	(2,862,021)	(59,432)	(2,921,453)
Sales of Services	(8,356,473)	(206,437)	(8,562,910)	-	(8,562,910)	-	(8,562,910)	-	(8,562,910)	-	(8,562,910)
Rentals and Leases	(3,504,972)	(356,983)	(3,861,955)	(205,400)	(4,067,355)	(136,900)	(4,204,255)	(68,900)	(4,273,155)	-	(4,273,155)
Permit and License Fees	(7,054,326)	(89,996)	(7,144,322)	-	(7,144,322)	64,996	(7,079,326)	-	(7,079,326)	-	(7,079,326)
Development Revenue	(2,733,597)	(298,700)	(3,032,297)	-	(3,032,297)	-	(3,032,297)	-	(3,032,297)	-	(3,032,297)
Investment Income	(2,012,572)	-	(2,012,572)	-	(2,012,572)	-	(2,012,572)	-	(2,012,572)	-	(2,012,572)
Other Revenue	(459,208)	(191,124)	(650,332)	72,444	(577,888)	-	(577,888)	-	(577,888)	37,500	(540,388)
Debt Repayment Contributions	(3,953,281)	-	(3,953,281)	-	(3,953,281)	-	(3,953,281)	-	(3,953,281)	-	(3,953,281)
Internal Recoveries	(5,157,207)	(381,922)	(5,539,129)	(356,183)	(5,895,312)	(252,377)	(6,147,689)	(252,377)	(6,400,066)	(272,682)	(6,672,748)
Transfer from Own Funds	(1,818,601)	(8,184,015)	(10,002,616)	5,372,562	(4,630,054)	(11,575)	(4,641,629)	(231,325)	(4,872,954)	(11,806)	(4,884,760)
External Unidentified Revenue	(800,000)	-	(800,000)	-	(800,000)	-	(800,000)	-	(800,000)	-	(800,000)
TOTAL REVENUE	**(180,484,608)**	**(22,703,953)**	**(203,188,561)**	**(2,828,064)**	**(206,016,625)**	**(6,508,418)**	**(212,525,043)**	**(6,668,938)**	**(218,890,765)**	**(5,976,591)**	**(224,867,355)**
EXPENSE											
Salaries, Wages & Benefits	77,865,371	7,296,806	85,162,177	1,449,985	86,612,162	426,261	87,038,424	426,289	87,457,459	243,093	87,700,552
Special Contracts	26,864,779	1,606,580	28,471,359	944,203	29,415,562	1,233,468	30,649,030	1,233,468	31,882,498	1,088,551	32,971,049
Service and Maintenance Contracts	24,284,274	4,268,248	28,552,522	(593,541)	27,958,982	327,057	28,286,038	327,909	28,591,824	260,973	28,852,796
Consulting and Professional Services	2,660,073	2,427,488	5,087,561	(1,718,780)	3,368,781	30,400	3,399,181	323,900	3,723,081	400	3,723,481
Regional Charges/Recoveries	4,215,082	140,785	4,355,867	-	4,355,867	-	4,355,867	-	4,355,867	-	4,355,867
Fuel	2,052,617	269,598	2,322,215	33,225	2,355,440	33,890	2,389,330	33,890	2,423,220	34,566	2,457,786
Equipment and Vehicle Rental	4,815,852	490,236	5,306,088	264,101	5,570,189	194,327	5,764,516	194,430	5,956,436	140,152	6,096,588
Communication and Technology	2,749,056	472,803	3,221,859	(221,402)	3,000,457	7,950	3,008,407	8,350	3,016,757	8,300	3,025,057
Insurance	1,706,174	201,694	1,907,868	67,363	1,975,231	69,605	2,044,836	69,605	2,114,441	71,945	2,186,386
Materials and Supplies	5,804,707	787,569	6,592,276	(21,075)	6,571,201	118,245	6,689,446	118,245	6,807,691	61,602	6,869,293
Utility User Fees	4,308,306	205,327	4,513,633	87,422	4,601,055	88,683	4,689,738	89,944	4,779,682	228,389	5,008,071
Municipal Grants	691,025	157,821	848,846	(124,821)	724,025	-	724,025	-	724,025	-	724,025
Debt Principal and Interest	5,231,099	516,717	5,747,816	850,060	6,597,876	-	6,597,876	-	6,597,876	(37,500)	6,560,376
Internal Charges & Recoveries	(3,122,201)	(254,490)	(3,376,691)	354,207	(3,022,484)	130,562	(2,891,922)	130,562	(2,761,360)	110,931	(2,650,429)
Transfer to Own Funds	7,649,626	2,366,459	10,016,085	(114,665)	9,901,420	735,558	10,636,978	594,308	11,231,286	600,131	11,831,417
Contribution to Capital	8,254,621	1,280,000	9,534,621	1,350,000	10,884,621	1,350,000	12,234,621	1,350,000	13,584,621	1,350,000	14,934,621
External Unidentified	800,000	-	800,000	-	800,000	-	800,000	-	800,000	-	800,000
Other Supplies and Expense	3,654,147	470,312	4,124,459	221,781	4,346,240	1,762,412	6,108,652	1,768,037	7,605,360	1,815,058	9,420,418
TOTAL EXPENSE	**180,484,608**	**22,703,953**	**203,188,561**	**2,828,064**	**206,016,625**	**6,508,418**	**212,525,043**	**6,668,938**	**218,890,765**	**5,976,591**	**224,867,355**
SHORTFALL/(SURPLUS)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Estimated New Growth Rate			**1.50%**		**2.00%**		**2.00%**		**2.00%**		**2.00%**
Tax Levy Increase proposed			**7.47%**		**3.52%**		**2.17%**		**1.97%**		**1.55%**
Approximate value of a 1% Utility Increase			**1,269,000**		**1,382,900**		**1,459,200**		**1,516,900**		**1,577,200**

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TOWNSHIP OF LANGLEY
PARKS UTILITY
2019-2023 OPERATING BUDGET

	2018 BUDGET (Base)	2019 Change	2019 BUDGET	2020 Change	2020 BUDGET	2021 Change	2021 BUDGET	2022 Change	2022 BUDGET	2023 Change	2023 BUDGET
TAX REVENUE											
Property Tax Base		-	(11,118,558)		(12,893,140)		(14,236,911)		(15,202,027)		(16,167,143)
Property Tax from New Growth		(166,778)	(166,778)	(257,863)	(257,863)	(284,738)	(284,738)	(304,041)	(304,041)	(323,343)	(323,343)
Property Tax Change		(1,607,804)	(1,607,804)	(1,085,908)	(1,085,908)	(680,378)	(680,378)	(661,075)	(661,075)	(471,968)	(471,968)
	(11,118,558)	**(1,774,582)**	(12,893,140)	**(1,343,771)**	(14,236,911)	**(965,116)**	(15,202,027)	**(965,116)**	(16,167,143)	**(795,311)**	(16,962,454)
NON-TAX REVENUE											
Sales of Services	(319,103)	-	(319,103)	-	(319,103)	-	(319,103)	-	(319,103)	-	(319,103)
Rentals and Leases	(654,076)	(12,000)	(666,076)	-	(666,076)	-	(666,076)	-	(666,076)	-	(666,076)
Other Revenue	(122,200)	(50,000)	(172,200)	-	(172,200)	-	(172,200)	-	(172,200)	-	(172,200)
Debt Repayment Contributions	(967,260)	-	(967,260)	-	(967,260)	-	(967,260)	-	(967,260)	-	(967,260)
Transfer from Own Funds	(16,785)	(1,274,500)	(1,291,285)	978,715	(312,570)	-	(312,570)	-	(312,570)	-	(312,570)
External Unidentified Revenue	(150,000)	-	(150,000)	-	(150,000)	-	(150,000)	-	(150,000)	-	(150,000)
TOTAL REVENUE	**(13,347,982)**	**(3,111,082)**	**(16,459,064)**	**(365,056)**	**(16,824,120)**	**(965,116)**	**(17,789,236)**	**(965,116)**	**(18,754,352)**	**(795,311)**	**(19,549,663)**
EXPENSE											
Salaries, Wages & Benefits	4,775,551	602,894	5,378,445	445,601	5,824,046	168,150	5,992,196	168,150	6,160,346	61,500	6,221,846
Service and Maintenance Contracts	2,162,952	443,903	2,606,855	62,192	2,669,047	89,155	2,758,202	89,155	2,847,357	53,689	2,901,046
Consulting and Professional Services	1,500	30,000	31,500	(30,000)	1,500	-	1,500	-	1,500	-	1,500
Fuel	11,150	-	11,150	-	11,150	-	11,150	-	11,150	-	11,150
Equipment and Vehicle Rental	1,276,611	228,794	1,505,405	188,204	1,693,609	115,035	1,808,644	115,035	1,923,679	68,174	1,991,853
Communication and Technology	30,085	-	30,085	-	30,085	-	30,085	-	30,085	-	30,085
Insurance	1,000	-	1,000	-	1,000	-	1,000	-	1,000	-	1,000
Materials and Supplies	805,991	166,314	972,305	157,537	1,129,842	92,340	1,222,182	92,340	1,314,522	44,940	1,359,462
Utility User Fees	567,427	19,106	586,533	6,152	592,685	6,291	598,976	6,291	605,267	6,432	611,699
Debt Principal and Interest	967,260	50,000	1,017,260	-	1,017,260	-	1,017,260	-	1,017,260	-	1,017,260
Internal Charges & Recoveries	616,543	5,571	622,114	54,085	676,199	(5,911)	670,288	(5,911)	664,377	58,519	722,896
Transfer to Own Funds	76,785	1,164,500	1,241,285	(918,715)	322,570	-	322,570	-	322,570	-	322,570
Contribution to Capital	1,859,900	400,000	2,259,900	400,000	2,659,900	400,000	3,059,900	400,000	3,459,900	400,000	3,859,900
External Unidentified	150,000	-	150,000	-	150,000	-	150,000	-	150,000	-	150,000
Other Supplies and Expense	45,227	-	45,227	-	45,227	100,056	145,283	100,056	245,339	102,057	347,396
TOTAL EXPENSE	**13,347,982**	**3,111,082**	**16,459,064**	**365,056**	**16,824,120**	**965,116**	**17,789,236**	**965,116**	**18,754,352**	**795,311**	**19,549,663**
SHORTFALL/(SURPLUS)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

TOWNSHIP OF LANGLEY
PARKS DESIGN & DEVELOPMENT
2019-2023 OPERATING BUDGET

	2018 BUDGET (Base)	2019 Change	2019 BUDGET	2020 Change	2020 BUDGET	2021 Change	2021 BUDGET	2022 Change	2022 BUDGET	2023 Change	2023 BUDGET
TAX REVENUE											
Property Tax Base			(1,866,206)		(2,304,275)		(2,719,225)		(3,154,611)		(3,589,997)
Property Tax from New Growth		(27,993)	(27,993)	(46,086)	(46,086)	(54,384)	(54,384)	(63,092)	(63,092)	(71,800)	(71,800)
Property Tax Change		(410,076)	(410,076)	(368,864)	(368,864)	(381,002)	(381,002)	(372,294)	(372,294)	(362,594)	(362,594)
	(1,866,206)	**(438,069)**	(2,304,275)	**(414,950)**	(2,719,225)	**(435,386)**	(3,154,611)	**(435,386)**	(3,589,997)	**(434,394)**	(4,024,391)
NON-TAX REVENUE											
Rentals and Leases	(556,376)	-	(556,376)	-	(556,376)	-	(556,376)	-	(556,376)	-	(556,376)
Other Revenue	(50,000)	(50,000)	(100,000)	-	(100,000)	-	(100,000)	-	(100,000)	-	(100,000)
Debt Repayment Contributions	(967,260)	-	(967,260)	-	(967,260)	-	(967,260)	-	(967,260)	-	(967,260)
Transfer from Own Funds	-	(1,181,285)	(1,181,285)	918,715	(262,570)	-	(262,570)	-	(262,570)	-	(262,570)
External Unidentified Revenue	(150,000)	-	(150,000)	-	(150,000)	-	(150,000)	-	(150,000)	-	(150,000)
TOTAL REVENUE	**(3,589,842)**	**(1,669,354)**	**(5,259,196)**	**503,765**	**(4,755,431)**	**(435,386)**	**(5,190,817)**	**(435,386)**	**(5,626,203)**	**(434,394)**	**(6,060,597)**
EXPENSE											
Salaries, Wages & Benefits	472,560	56,372	528,932	10,579	539,511	-	539,511	-	539,511	-	539,511
Consulting and Professional Services	1,500	-	1,500	-	1,500	-	1,500	-	1,500	-	1,500
Fuel	150	-	150	-	150	-	150	-	150	-	150
Equipment and Vehicle Rental	17,991	675	18,666	373	19,039	381	19,420	381	19,801	388	20,189
Communication and Technology	2,445	-	2,445	-	2,445	-	2,445	-	2,445	-	2,445
Insurance	1,000	-	1,000	-	1,000	-	1,000	-	1,000	-	1,000
Materials and Supplies	11,254	-	11,254	-	11,254	-	11,254	-	11,254	-	11,254
Debt Principal and Interest	967,260	50,000	1,017,260	-	1,017,260	-	1,017,260	-	1,017,260	-	1,017,260
Internal Charges & Recoveries	24,955	(18,978)	5,977	3,998	9,975	24,406	34,381	24,406	58,787	23,195	81,982
Transfer to Own Funds	60,000	1,181,285	1,241,285	(918,715)	322,570	-	322,570	-	322,570	-	322,570
Contribution to Capital	1,859,900	400,000	2,259,900	400,000	2,659,900	400,000	3,059,900	400,000	3,459,900	400,000	3,859,900
External Unidentified	150,000	-	150,000	-	150,000	-	150,000	-	150,000	-	150,000
Other Supplies and Expense	20,827	-	20,827	-	20,827	10,599	31,426	10,599	42,025	10,811	52,836
TOTAL EXPENSE	**3,589,842**	**1,669,354**	**5,259,196**	**(503,765)**	**4,755,431**	**435,386**	**5,190,817**	**435,386**	**5,626,203**	**434,394**	**6,060,597**
SHORTFALL/(SURPLUS)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Township of Langley
FIVE YEAR OPERATING PLAN
PARKS DESIGN & DEVELOPMENT - NON-DISCRETIONARY ADJUSTMENTS

	2019	2020	2021	2022	2023
REVENUE (Non-Tax)					
TRANSFER FROM OWN FUNDS					
- Land Capital Reimbursement for Marina Property	(131,285)	(131,285)	-	-	-
TRANSFER FROM OWN FUNDS	**(131,285)**	**(131,285)**	**-**	**-**	**-**
REVENUE ADJUSTMENTS	**(181,285)**	**(131,285)**	**-**	**-**	**37,500**
EXPENSE					
SALARY, WAGES & BENEFITS					
- Collective Bargaining and Contract Increases	10,187	10,391	-	-	-
- Employer Health Tax	9,391	188	-	-	-
- Steps/Increments	36,794	-	-	-	-
SALARY, WAGES & BENEFITS	**56,372**	**10,579**	**-**	**-**	**-**
EQUIPMENT & VEHICLE RENTAL					
- Equipment and Vehicle Rental - Internal	675	373	381	388	397
EQUIPMENT & VEHICLE RENTAL	**675**	**373**	**381**	**388**	**397**
DEBT PRINCIPAL AND INTEREST					
- ACUCC Playground Debt Provision	50,000	-	-	-	(37,500)
DEBT PRINCIPAL AND INTEREST	**50,000**	**-**	**-**	**-**	**(37,500)**
INTERNAL CHARGES & RECOVERIES					
- Administrative Overhead	(18,978)	3,998	24,406	23,195	23,267
INTERNAL CHARGES & RECOVERIES	**(18,978)**	**3,998**	**24,406**	**23,195**	**23,267**
TRANSFER TO RESERVES					
- Land Capital Reimbursement for Marina Property	131,285	131,285	-	-	-
TRANSFER TO RESERVES	**131,285**	**131,285**	**-**	**-**	**-**
FISCAL SERVICES	**-**	**-**	**10,599**	**10,811**	**11,027**
EXPENSE ADJUSTMENTS	**219,354**	**146,235**	**35,386**	**34,394**	**(2,809)**
NET NON-DISCRETIONARY ADJUSTMENTS	**38,069**	**14,950**	**35,386**	**34,394**	**34,691**

Township of Langley
FIVE YEAR OPERATING PLAN
PARKS DESIGN & DEVELOPMENT - DISCRETIONARY ADJUSTMENTS

	2019	2020	2021	2022	2023
REVENUE (Non-Tax)					
TRANSFER FROM OWN FUNDS					
- Transfer to Central Gordon Park Amenity Fund	(1,050,000)	1,050,000	-	-	-
TRANSFER FROM OWN FUNDS	**(1,050,000)**	**1,050,000**	**-**	**-**	**-**
REVENUE ADJUSTMENTS	**(1,050,000)**	**1,050,000**	**-**	**-**	**-**
EXPENSE					
TRANSFER TO RESERVES					
- Central Gordon Park Amenity Fund, transfer to reserve	1,050,000	(1,050,000)	-	-	-
TRANSFER TO RESERVES	**1,050,000**	**(1,050,000)**	**-**	**-**	**-**
CONTRIBUTION TO CAPITAL					
- Increase to Contribution to Capital	400,000	400,000	400,000	400,000	400,000
CONTRIBUTION TO CAPITAL	**400,000**	**400,000**	**400,000**	**400,000**	**400,000**
EXPENSE ADJUSTMENTS	**1,450,000**	**(650,000)**	**400,000**	**400,000**	**400,000**
NET DISCRETIONARY ADJUSTMENTS	**400,000**	**400,000**	**400,000**	**400,000**	**400,000**

TOWNSHIP OF LANGLEY
PARK OPERATIONS
2019-2023 OPERATING BUDGET

	2018 BUDGET (Base)	2019 Change	2019 BUDGET	2020 Change	2020 BUDGET	2021 Change	2021 BUDGET	2022 Change	2022 BUDGET	2023 Change	2023 BUDGET
TAX REVENUE											
Property Tax Base			(9,252,352)		(10,588,865)		(11,517,686)		(12,047,416)		(12,577,146)
Property Tax from New Growth		(138,785)	(138,785)	(211,777)	(211,777)	(230,354)	(230,354)	(240,948)	(240,948)	(251,543)	(251,543)
Property Tax Change		(1,197,728)	(1,197,728)	(717,043)	(717,043)	(299,376)	(299,376)	(288,782)	(288,782)	(109,374)	(109,374)
	(9,252,352)	**(1,336,513)**	(10,588,865)	**(928,821)**	(11,517,686)	**(529,730)**	(12,047,416)	**(529,730)**	(12,577,146)	**(360,917)**	(12,938,063)
NON-TAX REVENUE											
Sales of Services	(319,103)	-	(319,103)	-	(319,103)	-	(319,103)	-	(319,103)	-	(319,103)
Rentals and Leases	(97,700)	(12,000)	(109,700)	-	(109,700)	-	(109,700)	-	(109,700)	-	(109,700)
Other Revenue	(72,200)	-	(72,200)	-	(72,200)	-	(72,200)	-	(72,200)	-	(72,200)
Transfer from Own Funds	(16,785)	(93,215)	(110,000)	60,000	(50,000)	-	(50,000)	-	(50,000)	-	(50,000)
TOTAL REVENUE	**(9,758,140)**	**(1,441,728)**	**(11,199,868)**	**(868,821)**	**(12,068,689)**	**(529,730)**	**(12,598,419)**	**(529,730)**	**(13,128,149)**	**(360,917)**	**(13,489,066)**
EXPENSE											
Salaries, Wages & Benefits	4,302,991	546,522	4,849,513	435,022	5,284,535	168,150	5,452,685	168,150	5,620,835	61,500	5,682,335
Service and Maintenance Contracts	2,162,952	443,903	2,606,855	62,192	2,669,047	89,155	2,758,202	89,155	2,847,357	53,689	2,901,046
Consulting and Professional Services	-	30,000	30,000	(30,000)	-	-	-	-	-	-	-
Fuel	11,000	-	11,000	-	11,000	-	11,000	-	11,000	-	11,000
Equipment and Vehicle Rental	1,258,620	228,119	1,486,739	187,831	1,674,570	114,654	1,789,224	114,654	1,903,878	67,786	1,971,664
Communication and Technology	27,640	-	27,640	-	27,640	-	27,640	-	27,640	-	27,640
Materials and Supplies	794,737	166,314	961,051	157,537	1,118,588	92,340	1,210,928	92,340	1,303,268	44,940	1,348,208
Utility User Fees	567,427	19,106	586,533	6,152	592,685	6,291	598,976	6,291	605,267	6,432	611,699
Internal Charges & Recoveries	591,588	24,549	616,137	50,087	666,224	(30,317)	635,907	(30,317)	605,590	35,324	640,914
Transfer to Own Funds	16,785	(16,785)	-	-	-	-	-	-	-	-	-
Other Supplies and Expense	24,400	-	24,400	-	24,400	89,457	113,857	89,457	203,314	91,246	294,560
TOTAL EXPENSE	**9,758,140**	**1,441,728**	**11,199,868**	**868,821**	**12,068,689**	**529,730**	**12,598,419**	**529,730**	**13,128,149**	**360,917**	**13,489,066**
SHORTFALL/(SURPLUS)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Township of Langley
FIVE YEAR OPERATING PLAN
PARK OPERATIONS - NON-DISCRETIONARY ADJUSTMENTS

	2019	2020	2021	2022	2023
REVENUE (Non-Tax)					
RENTALS & LEASES					
- Increase budget for caretaker contract	(12,000)	-	-	-	-
RENTALS & LEASES	**(12,000)**	**-**	**-**	**-**	**-**
TRANSFER FROM OWN FUNDS					
- 2018 One-Time Program CFWDs - Prior Year Surplus	(110,000)	60,000	-	-	-
- Transfer from General Capital Surplus from 2017 - remove	16,785		-	-	-
TRANSFER FROM OWN FUNDS	**(93,215)**	**60,000**	**-**	**-**	**-**
REVENUE ADJUSTMENTS	**(105,215)**	**60,000**	**-**	**-**	**-**
EXPENSE					
SALARY, WAGES & BENEFITS					
- Collective Bargaining and Contract Increases	85,983	87,703	-	-	-
- Employer Health Tax 1.95%	75,835	1,517	-	-	-
- Steps/reclasses	(3,835)	-	-	-	-
- Landscaping Lost by Extreme Weather	6,000	8,000	8,000	8,000	8,000
- Public Spaces Collection Program	72,000	-	-	-	-
- Major Special Events	10,000	10,000	10,000	10,000	
- Winter Maintenance and Extreme Weather	31,000	19,000	15,000	15,000	15,000
- Planted Area Maintenance Trails Pruning (Zones 1 & 2)	7,500	7,500	7,500	7,500	7,500
- Homeless Camp Cleanups	5,500	5,500	5,500	5,500	5,500
- Operational Maintenance at the Airport (ongoing)	6,000	-	-	-	-
- Maintenance of Irrigation Systems	10,000	7,500	5,000	5,000	5,000
- Combat European Chafer (insect)	3,500	3,500	3,500	3,500	3,500
- Reallocate budget for Return to Work Coordinator	5,000	5,000	-	-	-
- Operating Impact from Development Capital Works	73,317	-	-	-	-
- Operating Impact from ToL Capital Construction	158,722	7,000	7,000	7,000	7,000
SALARY, WAGES & BENEFITS	**546,522**	**162,220**	**61,500**	**61,500**	**51,500**
SERVICE AND MAINTENANCE CONTRACTS					
- Public Spaces Collection Program	33,400	-	-	-	-
- Trail Trip Hazard program	50,000	15,000	15,000	15,000	15,000
- Winter Maintenance and Extreme Weather	18,000	18,000	18,000	18,000	18,000
- Mowing Contract	4,136	4,162	4,305	4,389	4,477
- Caretaker Contract	74,065	-	-	-	-
- Nuisance tree program (approved by Council until 2029)	50,000	-	-	-	-
- Maintenance of Irrigation Systems	1,000	500	500	500	500
- Combat European Chafer (insect)	2,000	2,000	2,000	2,000	2,000
- Invasive Species Treatment	10,000	10,000	10,000	10,000	10,000
- Waste Management	10,132	-	-	-	-
- Software for Cemetery Inernments/Inventory	50,000	(50,000)	-	-	-
- Parks operating for Stadium use	(16,667)	-	-	-	-
- 2018 One-Time Program CFWDs	80,000	(30,000)	-	-	-
- Operating Impact from Development Capital Works	26,718	-	-	-	-
- Operating Impact from ToL Capital Construction	51,119	3,800	3,800	3,800	3,800
SERVICE AND MAINTENANCE CONTRACTS	**443,903**	**(26,538)**	**53,605**	**53,689**	**53,777**
CONSULTING AND LEGAL SERVICES					
- 2018 One-Time Program CFWDs	30,000	(30,000)	-	-	-
CONSULTING AND LEGAL SERVICES	**30,000**	**(30,000)**	**-**	**-**	**-**
EQUIPMENT & VEHICLE RENTAL					
- Equipment and Vehicle Rental - Internal	47,198	26,116	26,639	27,171	27,715
- Landscaping Lost by Extreme Weather	1,250	2,000	2,000	2,000	2,000
- Public Spaces Collection Program	40,000	-	-	-	-
- Major Special Events	1,625	1,625	1,625	1,625	
- Winter Maintenance and Extreme Weather	16,000	16,000	16,000	16,000	16,000
- Planted Area Maintenance Trails Pruning (Zones 1 & 2)	2,000	2,000	2,000	2,000	2,000
- Homeless Camp Cleanups	2,000	2,000	2,000	2,000	2,000
- Materials and Supplies Contracts	5,000	5,000	7,500	7,500	
- Maintenance of Irrigation Systems	1,000	1,000	1,000	1,000	1,000
- Combat European Chafer (insect)	5,000	5,000	5,000	5,000	5,000
- Operating Impact from Development Capital Works	33,411	-	-	-	-
- Operating Impact from ToL Capital Construction	73,635	3,490	3,490	3,490	3,490
EQUIPMENT & VEHICLE RENTAL	**228,119**	**64,231**	**67,254**	**67,786**	**59,205**
MATERIALS & SUPPLIES					
- Landscaping Lost by Extreme Weather	5,750	7,000	7,000	7,000	7,000
- Asset Maintenance	60,000	30,000	30,000	30,000	30,000
- Major Special Events	430	430	430	430	
- Winter Maintenance and Extreme Weather	5,000	2,500	2,000	2,000	2,000
- Planted Area Maintenance Trails Pruning (Zones 1 & 2)	500	500	500	500	500
- Homeless Camp Cleanups	500	500	500	500	500
- Maintenance of Irrigation Systems	4,500	2,000	2,000	2,000	2,000
- Combat European Chafer (insect)	1,000	1,000	1,000	1,000	1,000

Township of Langley
FIVE YEAR OPERATING PLAN
PARK OPERATIONS - NON-DISCRETIONARY ADJUSTMENTS

	2019	2020	2021	2022	2023
- Operating Impact from Development Capital Works	29,095	-	-	-	-
- Operating Impact from ToL Capital Construction	64,539	1,510	1,510	1,510	1,510
- Reallocate budget for Return to Work Coordinator	(5,000)	(5,000)	-	-	-
MATERIALS & SUPPLIES	**166,314**	**40,440**	**44,940**	**44,940**	**44,510**
UTILITY USER FEES					
- Electricity	6,017	6,152	6,291	6,432	6,577
- Operating Impact from Development Capital Works	918	-	-	-	-
- Operating Impact from ToL Capital Construction	12,171	-	-	-	-
UTILITY USER FEES	**19,106**	**6,152**	**6,291**	**6,432**	**6,577**
INTERNAL CHARGES & RECOVERIES					
- Administrative Overhead	24,549	50,087	(30,317)	35,324	23,692
INTERNAL CHARGES & RECOVERIES	**24,549**	**50,087**	**(30,317)**	**35,324**	**23,692**
TRANSFER TO RESERVES					
- Transfer to Cemetery Reserve from 2017 - remove	(16,785)	-	-	-	-
TRANSFER TO RESERVES	**(16,785)**	**-**	**-**	**-**	**-**
FISCAL SERVICES	**-**	**-**	**89,457**	**91,246**	**93,071**
EXPENSE ADJUSTMENTS	**1,441,728**	**266,592**	**292,730**	**360,917**	**332,332**
NET NON-DISCRETIONARY ADJUSTMENTS	**1,336,513**	**326,592**	**292,730**	**360,917**	**332,332**

Township of Langley
FIVE YEAR OPERATING PLAN
PARK OPERATIONS - DISCRETIONARY ADJUSTMENTS

	2019	2020	2021	2022	2023
EXPENSE					
SALARY, WAGES & BENEFITS					
- Operating Impact from ToL Capital Construction	-	272,802	106,650	-	-
SALARY, WAGES & BENEFITS	**-**	**272,802**	**106,650**	**-**	**-**
SERVICE AND MAINTENANCE CONTRACTS					
- Operating Impact from ToL Capital Construction	-	88,730	35,550	-	-
SERVICE AND MAINTENANCE CONTRACTS	**-**	**88,730**	**35,550**	**-**	**-**
EQUIPMENT & VEHICLE RENTAL					
- Operating Impact from ToL Capital Construction	-	123,600	47,400	-	-
EQUIPMENT & VEHICLE RENTAL	**-**	**123,600**	**47,400**	**-**	**-**
MATERIALS & SUPPLIES					
- Operating Impact from ToL Capital Construction	-	117,097	47,400	-	-
MATERIALS & SUPPLIES	**-**	**117,097**	**47,400**	**-**	**-**
UTILITY USER FEES					
- Operating Impact from ToL Capital Construction	-	25,353	-	-	-
EXPENSE ADJUSTMENTS	**-**	**602,229**	**237,000**	**-**	**-**
NET DISCRETIONARY ADJUSTMENTS	**-**	**602,229**	**237,000**	**-**	**-**

TOWNSHIP OF LANGLEY
TRANSPORTATION UTILITY (Includes ROADS, FLEET, & TRANSLINK)
2019-2023 OPERATING BUDGET

	2018 BUDGET (Base)	2019 Change	2019 BUDGET	2020 Change	2020 BUDGET	2021 Change	2021 BUDGET	2022 Change	2022 BUDGET	2023 Change	2023 BUDGET
TAX REVENUE											
Property Tax Base		-	(22,158,814)	-	(23,707,661)	-	(25,379,262)	-	(26,400,893)	-	(27,422,524)
Property Tax from New Growth		(332,382)	(332,382)	(474,153)	(474,153)	(507,585)	(507,585)	(528,018)	(528,018)	(548,450)	(548,450)
Property Tax Change		(1,216,464)	(1,216,464)	(1,197,449)	(1,197,449)	(514,045)	(514,045)	(493,613)	(493,613)	(412,853)	(412,853)
	(22,158,814)	**(1,548,847)**	(23,707,661)	**(1,671,602)**	(25,379,262)	**(1,021,631)**	(26,400,893)	**(1,021,631)**	(27,422,524)	**(961,303)**	(28,383,827)
NON-TAX REVENUE											
Government Grants	(3,797,872)	(1,092,185)	(4,890,057)	(61,887)	(4,951,944)	(637)	(4,952,581)	(637)	(4,953,217)	(64,411)	(5,017,628)
Service Cost Recoveries	(506,000)	450,000	(56,000)	-	(56,000)	-	(56,000)	-	(56,000)	-	(56,000)
Sales of Services	(247,924)	(10,420)	(258,344)	-	(258,344)	-	(258,344)	-	(258,344)	-	(258,344)
Permit and License Fees	(246,463)	-	(246,463)	-	(246,463)	-	(246,463)	-	(246,463)	-	(246,463)
Development Revenue	(15,000)	25,000	10,000	-	10,000	-	10,000	-	10,000	-	10,000
Investment Income	(75,000)	-	(75,000)	-	(75,000)	-	(75,000)	-	(75,000)	-	(75,000)
Other Revenue	(710)	(64,100)	(64,810)	-	(64,810)	-	(64,810)	-	(64,810)	-	(64,810)
Debt Repayment Contributions	(2,453,399)	-	(2,453,399)	-	(2,453,399)	-	(2,453,399)	-	(2,453,399)	-	(2,453,399)
Transfer from Own Funds	(49,230)	(971,185)	(1,020,415)	25,000	(995,415)	-	(995,415)	-	(995,415)	-	(995,415)
External Unidentified Revenue	(250,000)	-	(250,000)	-	(250,000)	-	(250,000)	-	(250,000)	-	(250,000)
TOTAL REVENUE	**(29,800,412)**	**(3,211,737)**	**(33,012,149)**	**(1,708,489)**	**(34,720,637)**	**(1,022,267)**	**(35,742,905)**	**(1,022,267)**	**(36,765,172)**	**(1,025,714)**	**(37,790,886)**
EXPENSE											
Salaries, Wages & Benefits	8,458,698	1,023,758	9,482,456	243,403	9,725,858	(46,822)	9,679,037	(46,822)	9,632,215	9,781	9,641,996
Service and Maintenance Contracts	10,308,546	769,935	11,078,481	123,911	11,202,392	151,386	11,353,778	151,386	11,505,164	148,818	11,653,982
Consulting and Professional Services	315,177	87,468	402,645	-	402,645	-	402,645	-	402,645	-	402,645
Fuel	903,836	194,412	1,098,248	21,935	1,120,183	22,373	1,142,556	22,373	1,164,929	22,820	1,187,749
Equipment and Vehicle Rental	2,161,827	126,649	2,288,476	54,229	2,342,705	49,988	2,392,693	49,988	2,442,681	43,863	2,486,544
Communication and Technology	99,360	41,489	140,849	72	140,921	90	141,011	90	141,101	60	141,161
Insurance	303,205	152,846	456,051	27,363	483,414	29,005	512,419	29,005	541,424	30,745	572,169
Materials and Supplies	2,155,284	275,186	2,430,470	34,459	2,464,929	25,446	2,490,375	25,446	2,515,821	16,662	2,532,483
Utility User Fees	1,038,071	27,108	1,065,179	25,291	1,090,470	25,117	1,115,587	25,117	1,140,704	24,969	1,165,673
Debt Principal and Interest	3,143,009	416,717	3,559,726	551,750	4,111,476	-	4,111,476	-	4,111,476	-	4,111,476
Internal Charges & Recoveries	(4,296,298)	(383,591)	(4,679,889)	125,379	(4,554,510)	75,079	(4,479,431)	75,079	(4,404,352)	33,982	(4,370,370)
Transfer to Own Funds	2,766,535	(27,094)	2,739,441	-	2,739,441	-	2,739,441	-	2,739,441	-	2,739,441
Contribution to Capital	2,050,000	500,000	2,550,000	500,000	3,050,000	500,000	3,550,000	500,000	4,050,000	500,000	4,550,000
External Unidentified	250,000	-	250,000	-	250,000	-	250,000	-	250,000	-	250,000
Other Supplies and Expense	143,162	6,854	150,016	697	150,713	190,605	341,318	190,605	531,923	194,014	725,937
TOTAL EXPENSE	**29,800,412**	**3,211,737**	**33,012,149**	**1,708,489**	**34,720,637**	**1,022,267**	**35,742,905**	**1,022,267**	**36,765,172**	**1,025,714**	**37,790,886**
SHORTFALL/(SURPLUS)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

TOWNSHIP OF LANGLEY
TRANSPORTATION UTILITY - ROADS
2019-2023 OPERATING BUDGET

	2018 BUDGET (Base)	2019 Change	2019 BUDGET	2020 Change	2020 BUDGET	2021 Change	2021 BUDGET	2022 Change	2022 BUDGET	2023 Change	2023 BUDGET
TAX REVENUE											
Property Tax Base			(22,158,814)		(23,681,847)		(25,353,448)		(26,375,079)		(27,396,710)
Property Tax from New Growth		(332,382)	(332,382)	(473,637)	(473,637)	(507,069)	(507,069)	(527,502)	(527,502)	(547,934)	(547,934)
Property Tax Change		(1,190,650)	(1,190,650)	(1,197,965)	(1,197,965)	(514,562)	(514,562)	(494,129)	(494,129)	(413,369)	(413,369)
	(22,158,814)	**(1,523,033)**	(23,681,847)	**(1,671,602)**	(25,353,448)	**(1,021,631)**	(26,375,079)	**(1,021,631)**	(27,396,710)	**(961,303)**	(28,358,013)
NON-TAX REVENUE											
Government Grants	(826,359)	(1,031,142)	(1,857,501)	(32,500)	(1,890,001)	29,350	(1,860,651)	29,350	(1,831,300)	(33,813)	(1,865,113)
Service Cost Recoveries	(500,000)	450,000	(50,000)	-	(50,000)	-	(50,000)	-	(50,000)	-	(50,000)
Sales of Services	(247,924)	(10,420)	(258,344)	-	(258,344)	-	(258,344)	-	(258,344)	-	(258,344)
Permit and License Fees	(246,463)	-	(246,463)	-	(246,463)	-	(246,463)	-	(246,463)	-	(246,463)
Development Revenue	(15,000)	25,000	10,000	-	10,000	-	10,000	-	10,000	-	10,000
Investment Income	(75,000)	-	(75,000)	-	(75,000)	-	(75,000)	-	(75,000)	-	(75,000)
Other Revenue	(710)	(64,100)	(64,810)	-	(64,810)	-	(64,810)	-	(64,810)	-	(64,810)
Debt Repayment Contributions	(2,453,399)	-	(2,453,399)	-	(2,453,399)	-	(2,453,399)	-	(2,453,399)	-	(2,453,399)
Transfer from Own Funds	(49,230)	(971,185)	(1,020,415)	25,000	(995,415)	-	(995,415)	-	(995,415)	-	(995,415)
External Unidentified Revenue	(250,000)	-	(250,000)	-	(250,000)	-	(250,000)	-	(250,000)	-	(250,000)
TOTAL REVENUE	**(26,822,899)**	**(3,124,880)**	**(29,947,779)**	**(1,679,102)**	**(31,626,880)**	**(992,280)**	**(32,619,161)**	**(992,280)**	**(33,611,441)**	**(995,116)**	**(34,606,557)**
EXPENSE											
Salaries, Wages & Benefits	6,464,850	911,971	7,376,821	201,290	7,578,110	(46,822)	7,531,289	(46,822)	7,484,467	9,781	7,494,248
Service and Maintenance Contracts	9,077,910	769,935	9,847,845	123,911	9,971,756	151,386	10,123,142	151,386	10,274,528	148,818	10,423,346
Consulting and Professional Services	315,177	87,468	402,645	-	402,645	-	402,645	-	402,645	-	402,645
Equipment and Vehicle Rental	1,786,472	116,409	1,902,881	48,554	1,951,435	44,199	1,995,634	44,199	2,039,833	37,958	2,077,791
Communication and Technology	27,212	41,489	68,701	72	68,773	90	68,863	90	68,953	60	69,013
Materials and Supplies	1,119,312	75,186	1,194,498	30,459	1,224,957	21,366	1,246,323	21,366	1,267,689	12,500	1,280,189
Utility User Fees	846,139	22,789	868,928	20,876	889,804	20,602	910,406	20,602	931,008	20,352	951,360
Debt Principal and Interest	3,143,009	416,717	3,559,726	551,750	4,111,476	-	4,111,476	-	4,111,476	-	4,111,476
Internal Charges & Recoveries	1,450,487	179,062	1,629,549	201,493	1,831,042	153,809	1,984,851	153,809	2,138,660	115,446	2,254,106
Transfer to Own Funds	170,000	-	170,000	-	170,000	-	170,000	-	170,000	-	170,000
Contribution to Capital	2,050,000	500,000	2,550,000	500,000	3,050,000	500,000	3,550,000	500,000	4,050,000	500,000	4,550,000
External Unidentified	250,000	-	250,000	-	250,000	-	250,000	-	250,000	-	250,000
Other Supplies and Expense	122,331	3,854	126,185	697	126,882	147,650	274,532	147,650	422,182	150,201	572,383
TOTAL EXPENSE	**26,822,899**	**3,124,880**	**29,947,779**	**1,679,102**	**31,626,880**	**992,280**	**32,619,161**	**992,280**	**33,611,441**	**995,116**	**34,606,557**
SHORTFALL/(SURPLUS)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Township of Langley
FIVE YEAR OPERATING PLAN
TRANSPORTATION UTILITY - ROADS - NON-DISCRETIONARY ADJUSTMENTS

	2019	2020	2021	2022	2023
REVENUE (Non-Tax)					
GOVERNMENT GRANTS					
- Recycling BC Revenue	(968,642)	(32,500)	(33,150)	(33,813)	(34,489)
GOVERNMENT GRANTS	**(968,642)**	**(32,500)**	**(33,150)**	**(33,813)**	**(34,489)**
SERVICE COST RECOVERIES					
- Curbside Recycling Recovery	450,000	-	-	-	-
SERVICE COST RECOVERIES	**450,000**	**-**	**-**	**-**	**-**
SALES OF SERVICES					
- Driveway Application Permit Fees	(14,805)	-	-	-	-
- Driveway Application Permit Fees, from Stormwater	(5,195)	-	-	-	-
- Sale of Rain Barrels	12,080	-	-	-	-
- Backyard Composters	(2,500)	-	-	-	-
SALES OF SERVICES	**(10,420)**	**-**	**-**	**-**	**-**
DEVELOPMENT REVENUE					
- Stormwater LAS Connections	25,000	-	-	-	-
DEVELOPMENT REVENUE	**25,000**	**-**	**-**	**-**	**-**
OTHER REVENUE					
- 2018 One-Time Program CFWD	(64,100)	-	-	-	-
OTHER REVENUE	**(64,100)**	**-**	**-**	**-**	**-**
TRANSFER FROM OWN FUNDS					
- Climate Action Reserve Funding	(100,000)	-	-	-	-
- 2018 One-Time Program CFWD - Prior Year Surplus	(846,185)	-	-	-	-
TRANSFER FROM OWN FUNDS	**(946,185)**	**-**	**-**	**-**	**-**
REVENUE ADJUSTMENTS	**(1,514,347)**	**(32,500)**	**(33,150)**	**(33,813)**	**(34,489)**
EXPENSE					
SALARY, WAGES & BENEFITS					
- Collective Bargaining and Contract Increases	120,661	123,077	-	-	-
- Employer Health Tax	109,628	2,193	2,236	2,281	2,327
- Steps/Increments	27,276	-	-	-	-
- Trip Hazard program	17,500	10,000	7,500	7,500	7,500
- Transportation Planning Auxillary Staff	40,000	800	-	-	-
- Return to Work Co-ordinator	5,000	5,100	-	-	-
- Return to Work Co-ordinator TFT & Aux Wages	(5,000)	(5,100)	-	-	-
- 2018 One-Time Program CFWD	215,000	-	-	-	-
- Operating Impact of Development Capital Works	127,953	2,559	-	-	-
- Operating Impact from ToL Capital Construction	81,995	-	-	-	-
SALARY, WAGES & BENEFITS	**740,013**	**138,629**	**9,736**	**9,781**	**9,827**
SERVICE AND MAINTENANCE CONTRACTS					
- Dispatch fees	405	209	2,015	221	226
- Boulevard / Median Mowing	2,160	2,202	2,246	2,291	2,337
- Community Energy Progam	50,000	-	-	-	-
- Climate Action Reserve Fund Projects	100,000	-	-	-	-
- Recyling Contract Fees	693,000	135,164	140,624	146,306	152,216
- Recyling Processing Fees	(264,000)	-	-	-	-
- 2018 One-Time Program CFWD	124,100	-	-	-	-
- Operating Impact of Development Capital Works	23,458	-	-	-	-
- Operating Impact from ToL Capital Construction	15,812	-	-	-	-
SERVICE AND MAINTENANCE CONTRACTS	**744,935**	**137,575**	**144,885**	**148,818**	**154,779**
CONSULTING AND LEGAL SERVICES					
- 2018 One-Time Program CFWD	102,468	-	-	-	-
CONSULTING AND LEGAL SERVICES	**102,468**	**-**	**-**	**-**	**-**
EQUIPMENT & VEHICLE RENTAL					
- Equipment and Vehicle Rental - Internal (Monthly)	13,396	7,414	7,563	7,712	7,870
- Equipment and Vehicle Rental - Internal (Hourly)	51,576	28,541	29,108	29,692	30,282
- Equipment and Vehicle Rental - External (Hired)	538	544	548	554	559
- Holdback Truck Operating Costs - Unit #75	8,500	-	-	-	-
- Operating Impact of Development Capital Works	25,591	-	-	-	-
- Operating Impact from ToL Capital Construction	16,808	-	-	-	-
EQUIPMENT & VEHICLE RENTAL	**116,409**	**36,499**	**37,219**	**37,958**	**38,711**
COMMUNICATION AND TECHNOLOGY					
- GVRD Geospatial Reference System Fee	189	72	90	60	90
- Electric Vehicle Charging Station Licencing fees	1,000	-	-	-	-
- 2018 One-Time Program CFWD	40,000	-	-	-	-
COMMUNICATION AND TECHNOLOGY	**41,189**	**72**	**90**	**60**	**90**
MATERIALS & SUPPLIES					

Township of Langley
FIVE YEAR OPERATING PLAN
TRANSPORTATION UTILITY - ROADS - NON-DISCRETIONARY ADJUSTMENTS

	2019	2020	2021	2022	2023
- Trip Hazard Program	7,500	5,000	2,500	2,500	2,500
- Signal Battery replacement	10,000	10,000	10,000	10,000	10,000
- 2018 One-Time Program CFWD	12,000	-	-	-	-
- Operating Impact of Development Capital Works	31,988	-	-	-	-
- Operating Impact from ToL Capital Construction	21,198	-	-	-	-
MATERIALS & SUPPLIES	**82,686**	**15,000**	**12,500**	**12,500**	**12,500**
UTILITY USER FEES					
- Electricity	19,038	19,467	19,904	20,352	20,810
- Operating Impact of Development Capital Works	2,133	-	-	-	-
- Operating Impact from ToL Capital Construction	1,618	-	-	-	-
UTILITY USER FEES	**22,789**	**19,467**	**19,904**	**20,352**	**20,810**
DEBT PRINCIPAL AND INTEREST					
- Debt Provision - Railways & Facilities Principal & Interest	-	551,750	-	-	-
- 2018 One-Time Program CFWD	416,717	-	-	-	-
DEBT PRINCIPAL AND INTEREST	**416,717**	**551,750**	**-**	**-**	**-**
INTERNAL CHARGES & RECOVERIES					
- Project Management Salary Recoveries, remove	61,875	61,875	61,875	61,875	61,875
- Administrative Overhead	117,187	139,618	91,934	53,571	47,204
INTERNAL CHARGES & RECOVERIES	**179,062**	**201,493**	**153,809**	**115,446**	**109,079**
OTHER SUPPLIES AND EXPENSES					
- Operating Impact of Development Capital Works	2,133	-	-	-	-
- Operating Impact from ToL Capital Construction	1,221	-	-	-	-
OTHER SUPPLIES AND EXPENSES	**3,354**	**-**	**-**	**-**	**-**
FISCAL SERVICES	**-**	**-**	**147,065**	**150,201**	**153,402**
EXPENSE ADJUSTMENTS	**2,449,622**	**1,100,485**	**525,208**	**495,116**	**499,198**
NET NON-DISCRETIONARY ADJUSTMENTS	**935,275**	**1,067,985**	**492,059**	**461,303**	**464,709**

Township of Langley
FIVE YEAR OPERATING PLAN
TRANSPORTATION UTILITY - ROADS - DISCRETIONARY ADJUSTMENTS

	2019	2020	2021	2022	2023
REVENUE (Non-Tax)					
GOVERNMENT GRANTS					
- FCM Grant for Sustainability Specialist	(62,500)	-	62,500	-	-
GOVERNMENT GRANTS	**(62,500)**	**-**	**62,500**	**-**	**-**
TRANSFER FROM OWN FUNDS					
- 2019 One-Time Program New Request - Prior Year Surplus	(25,000)	25,000	-	-	-
TRANSFER FROM OWN FUNDS	**(25,000)**	**25,000**	**-**	**-**	**-**
REVENUE ADJUSTMENTS	**(87,500)**	**25,000**	**62,500**	**-**	**-**
EXPENSE					
SALARY, WAGES & BENEFITS					
- Engineer in Training	27,894	558	-	-	-
- Sustainability Program Specialist TFT	92,032		(92,032)		
- Engineering Technologist II	92,032		-		
- Auxillary funds to Engineering Technologist II	(40,000)		-		
- Operating Impact from ToL Capital Construction	-	62,103	35,474	-	10,422
SALARY, WAGES & BENEFITS	**171,958**	**62,661**	**(56,558)**	**-**	**10,422**
SERVICE AND MAINTENANCE CONTRACTS					
- 2019 One-Time Program New Request	25,000	(25,000)	-	-	-
- Operating Impact from ToL Capital Construction	-	11,336	6,501	-	1,911
SERVICE AND MAINTENANCE CONTRACTS	**25,000**	**(13,664)**	**6,501**	**-**	**1,911**
CONSULTING AND LEGAL SERVICES					
- Engineering Technologist II	(15,000)	-	-	-	-
CONSULTING AND LEGAL SERVICES	**(15,000)**	**-**	**-**	**-**	**-**
EQUIPMENT & VEHICLE RENTAL					
- Operating Impact from ToL Capital Construction	-	12,055	6,980	-	2,034
EQUIPMENT & VEHICLE RENTAL	**-**	**12,055**	**6,980**	**-**	**2,034**
COMMUNICATION AND TECHNOLOGY					
- Engineering Technologist II Cell Phone	300	-	-	-	-
COMMUNICATION AND TECHNOLOGY	**300**	**-**	**-**	**-**	**-**
MATERIALS & SUPPLIES					
- Engineering Technologist II	(7,500)	-	-	-	-
- Operating Impact from ToL Capital Construction	-	15,459	8,866	-	2,606
MATERIALS & SUPPLIES	**(7,500)**	**15,459**	**8,866**	**-**	**2,606**
UTILITY USER FEES					
- Equipment and Vehicle Rental - External (Hired)	-	1,409	698	-	224
UTILITY USER FEES	**-**	**1,409**	**698**	**-**	**224**
CONTRIBUTION TO CAPITAL					
- Operating Contribution to Capital Increase	500,000	500,000	500,000	500,000	500,000
CONTRIBUTION TO CAPITAL	**500,000**	**500,000**	**500,000**	**500,000**	**500,000**
OTHER SUPPLIES AND EXPENSES					
- Engineering Technologist II Training	500	-	-	-	-
- Operating Impact from ToL Capital Construction	-	697	585	-	174
OTHER SUPPLIES AND EXPENSES	**500**	**697**	**585**	**-**	**174**
EXPENSE ADJUSTMENTS	**675,258**	**578,617**	**467,072**	**500,000**	**517,371**
NET DISCRETIONARY ADJUSTMENTS	**587,758**	**603,617**	**529,572**	**500,000**	**517,371**

TOWNSHIP OF LANGLEY
TRANSPORTATION UTILITY - FLEET
2019-2023 OPERATING BUDGET

	2018 BUDGET (Base)	2019 Change	2019 BUDGET	2020 Change	2020 BUDGET	2021 Change	2021 BUDGET	2022 Change	2022 BUDGET	2023 Change	2023 BUDGET
NON-TAX REVENUE											
Service Cost Recoveries	(6,000)	-	(6,000)	-	(6,000)	-	(6,000)	-	(6,000)	-	(6,000)
TOTAL REVENUE	**(6,000)**	**(25,814)**	**(31,814)**	**-**	**(31,814)**	**-**	**(31,814)**	**-**	**(31,814)**	**-**	**(31,814)**
EXPENSE											
Salaries, Wages & Benefits	1,075,497	65,303	1,140,800	22,816	1,163,616	-	1,163,616	-	1,163,616	-	1,163,616
Service and Maintenance Contracts	174,122	-	174,122	-	174,122	-	174,122	-	174,122	-	174,122
Fuel	903,836	194,412	1,098,248	21,935	1,120,183	22,373	1,142,556	22,373	1,164,929	22,820	1,187,749
Equipment and Vehicle Rental	100,663	-	100,663	-	100,663	-	100,663	-	100,663	-	100,663
Communication and Technology	56,100	-	56,100	-	56,100	-	56,100	-	56,100	-	56,100
Insurance	303,205	152,846	456,051	27,363	483,414	29,005	512,419	29,005	541,424	30,745	572,169
Materials and Supplies	539,972	200,000	739,972	4,000	743,972	4,080	748,052	4,080	752,132	4,162	756,294
Internal Charges & Recoveries	(5,761,182)	(562,653)	(6,323,835)	(76,114)	(6,399,949)	(78,730)	(6,478,679)	(78,730)	(6,557,409)	(81,464)	(6,638,873)
Transfer to Own Funds	2,596,535	(27,094)	2,569,441	-	2,569,441	-	2,569,441	-	2,569,441	-	2,569,441
Other Supplies and Expense	17,252	3,000	20,252	-	20,252	23,272	43,524	23,272	66,796	23,737	90,533
TOTAL EXPENSE	**6,000**	**25,814**	**31,814**	**-**	**31,814**	**-**	**31,814**	**-**	**31,814**	**-**	**31,814**
SHORTFALL/(SURPLUS)	**-**	**-**	**-**	**-**	**0**	**-**	**0**	**-**	**0**	**-**	**0**

Township of Langley
FIVE YEAR OPERATING PLAN
TRANSPORTATION UTILITY - FLEET - NON-DISCRETIONARY ADJUSTMENTS

	2019	2020	2021	2022	2023
EXPENSE					
SALARY, WAGES & BENEFITS					
- Collective Bargaining and Contract Increases	21,506	21,936	-	-	-
- Employer Health Tax	18,996	380	-	-	-
- Steps/Increments	(199)	-	-	-	-
- Increase in Non-Billable Admin Time	25,000	500	-	-	-
SALARY, WAGES & BENEFITS	**65,303**	**22,816**	**-**	**-**	**-**
FUEL					
- Adjust Gasoline for increased fleet size	98,407	-	-	-	-
- Adjust Diesel for increased fleet size	7,104	-	-	-	-
- Gasoline Price increases	49,464	11,967	12,206	12,450	12,699
- Diesel Price increases	39,437	9,968	10,167	10,370	10,577
FUEL	**194,412**	**21,935**	**22,373**	**22,820**	**23,276**
INSURANCE					
- Fleet Insurance	152,846	27,363	29,005	30,745	32,590
INSURANCE	**152,846**	**27,363**	**29,005**	**30,745**	**32,590**
MATERIALS & SUPPLIES					
- Parts and Accessories	200,000	4,000	4,080	4,162	4,245
MATERIALS & SUPPLIES	**200,000**	**4,000**	**4,080**	**4,162**	**4,245**
INTERNAL CHARGES & RECOVERIES					
- Small Equipment Recovery	-	-	-	-	-
- Increase Internal Vehicle Recoveries	(213,710)	(76,114)	(78,730)	(81,464)	(84,323)
- Add vehicle recoveries not included in budget	(348,943)	-	-	-	-
- New Requests, Vehicle Charges	-	-	-	-	-
- New Requests, Shop Overhead	-	-	-	-	-
INTERNAL CHARGES & RECOVERIES	**(562,653)**	**(76,114)**	**(78,730)**	**(81,464)**	**(84,323)**
TRANSFER TO RESERVES					
- Public Works Vehicle & Equipment Reserve	(12,094)	-	-	-	-
- Small Equipment Reserve Transfer	(15,000)	-	-	-	-
TRANSFER TO RESERVES	**(27,094)**	**-**	**-**	**-**	**-**
OTHER SUPPLIES AND EXPENSES					
- Off Road Diesel Licencing Fees	3,000	-	-	-	-
OTHER SUPPLIES AND EXPENSES	**3,000**	**-**	**-**	**-**	**-**
FISCAL SERVICES	**-**	**-**	**23,272**	**23,737**	**24,212**
EXPENSE ADJUSTMENTS	**25,814**	**-**	**-**	**-**	**-**
NET NON-DISCRETIONARY ADJUSTMENTS	**25,814**	**-**	**-**	**-**	**-**

TOWNSHIP OF LANGLEY
TRANSPORTATION UTILITY - TRANSLINK FUNDED
2019-2023 OPERATING BUDGET

	2018 BUDGET (Base)	2019 Change	2019 BUDGET	2020 Change	2020 BUDGET	2021 Change	2021 BUDGET	2022 Change	2022 BUDGET	2023 Change	2023 BUDGET
NON-TAX REVENUE											
Government Grants	(2,971,513)	(61,043)	(3,032,556)	(29,387)	(3,061,943)	(29,987)	(3,091,930)	(29,987)	(3,121,917)	(30,598)	(3,152,515)
TOTAL REVENUE	**(2,971,513)**	**(61,043)**	**(3,032,556)**	**(29,387)**	**(3,061,943)**	**(29,987)**	**(3,091,930)**	**(29,987)**	**(3,121,917)**	**(30,598)**	**(3,152,515)**
EXPENSE											
Salaries, Wages & Benefits	918,351	46,484	964,835	19,297	984,132	-	984,132	-	984,132	-	984,132
Service and Maintenance Contracts	1,056,514	-	1,056,514	-	1,056,514	-	1,056,514	-	1,056,514	-	1,056,514
Equipment and Vehicle Rental	274,692	10,240	284,932	5,675	290,607	5,789	296,396	5,789	302,185	5,905	308,090
Communication and Technology	16,048	-	16,048	-	16,048	-	16,048	-	16,048	-	16,048
Materials and Supplies	496,000	-	496,000	-	496,000	-	496,000	-	496,000	-	496,000
Utility User Fees	191,932	4,319	196,251	4,415	200,666	4,515	205,181	4,515	209,696	4,617	214,313
Internal Charges & Recoveries	14,397	-	14,397	-	14,397	-	14,397	-	14,397	-	14,397
Other Supplies and Expense	3,579	-	3,579	-	3,579	19,683	23,262	19,683	42,945	20,076	63,021
TOTAL EXPENSE	**2,971,513**	**61,043**	**3,032,556**	**29,387**	**3,061,943**	**29,987**	**3,091,930**	**29,987**	**3,121,917**	**30,598**	**3,152,515**
SHORTFALL/(SURPLUS)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Township of Langley
FIVE YEAR OPERATING PLAN
TRANSPORTATION UTILITY - TRANSLINK FUNDED - NON-DISCRETIONARY ADJUSTMENTS

	2019	2020	2021	2022	2023
REVENUE (Non-Tax)					
GOVERNMENT GRANTS					
- Translink Funding	(61,043)	(29,387)	(29,987)	(30,598)	(31,220)
GOVERNMENT GRANTS	**(61,043)**	**(29,387)**	**(29,987)**	**(30,598)**	**(31,220)**
REVENUE ADJUSTMENTS	**(61,043)**	**(29,387)**	**(29,987)**	**(30,598)**	**(31,220)**
EXPENSE					
SALARY, WAGES & BENEFITS					
- Collective Bargaining and Contract Increases	18,607	18,978	-	-	-
- Employer Health Tax	15,967	319	-	-	-
- Steps/Increments	11,910	-	-	-	-
SALARY, WAGES & BENEFITS	**46,484**	**19,297**	**-**	**-**	**-**
EQUIPMENT & VEHICLE RENTAL					
- Equipment and Vehicle Rental - Internal (Monthly)	2,565	1,419	1,448	1,476	1,506
- Equipment and Vehicle Rental - Internal (Hourly)	7,653	4,233	4,318	4,406	4,493
- Equipment and Vehicle Rental - External (Hired)	22	23	23	23	23
EQUIPMENT & VEHICLE RENTAL	**10,240**	**5,675**	**5,789**	**5,905**	**6,022**
UTILITY USER FEES					
- Electricity	4,319	4,415	4,515	4,617	4,720
UTILITY USER FEES	**4,319**	**4,415**	**4,515**	**4,617**	**4,720**
FISCAL SERVICES	**-**	**-**	**19,683**	**20,076**	**20,478**
EXPENSE ADJUSTMENTS	**61,043**	**29,387**	**29,987**	**30,598**	**31,220**
NET NON-DISCRETIONARY ADJUSTMENTS	**-**	**-**	**-**	**-**	**-**

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TOWNSHIP OF LANGLEY
STORMWATER (Includes STORM and Translink Funded STORM)
2019-2023 OPERATING BUDGET

	2018 BUDGET (Base)	2019 Change	2019 BUDGET	2020 Change	2020 BUDGET	2021 Change	2021 BUDGET	2022 Change	2022 BUDGET	2023 Change	2023 BUDGET
TAX REVENUE											
Property Tax Base		-	(7,189,173)	-	(7,665,601)	-	(7,817,033)	-	(7,947,497)	-	(8,077,961)
Property Tax from New Growth		(107,838)	(107,838)	(153,312)	(153,312)	(156,341)	(156,341)	(158,950)	(158,950)	(161,559)	(161,559)
Property Tax Change		(368,590)	(368,590)	1,880	1,880	25,877	25,877	28,486	28,486	68,729	68,729
	(7,189,173)	**(476,428)**	(7,665,601)	**(151,432)**	(7,817,033)	**(130,464)**	(7,947,497)	**(130,464)**	(8,077,961)	**(92,830)**	(8,170,791)
NON-TAX REVENUE											
Special Levies/Grants-In-Lieu	(11,684)	(1,831)	(13,515)	-	(13,515)	-	(13,515)	-	(13,515)	-	(13,515)
Government Grants	(207,438)	(4,601)	(212,039)	(2,605)	(214,644)	(2,657)	(217,301)	(2,657)	(219,958)	(2,708)	(222,666)
Sales of Services	(134,296)	5,195	(129,101)	-	(129,101)	-	(129,101)	-	(129,101)	-	(129,101)
Development Revenue	(25,000)	-	(25,000)	-	(25,000)	-	(25,000)	-	(25,000)	-	(25,000)
Investment Income	(15,000)	-	(15,000)	-	(15,000)	-	(15,000)	-	(15,000)	-	(15,000)
Other Revenue	(258,281)	-	(258,281)	-	(258,281)	-	(258,281)	-	(258,281)	-	(258,281)
Debt Repayment Contributions	(532,622)	-	(532,622)	-	(532,622)	-	(532,622)	-	(532,622)	-	(532,622)
Transfer from Own Funds	-	(293,974)	(293,974)	-	(293,974)	-	(293,974)	-	(293,974)	-	(293,974)
External Unidentified Revenue	(150,000)	-	(150,000)	-	(150,000)	-	(150,000)	-	(150,000)	-	(150,000)
TOTAL REVENUE	**(8,523,494)**	**(771,639)**	**(9,295,133)**	**(154,037)**	**(9,449,170)**	**(133,121)**	**(9,582,291)**	**(133,121)**	**(9,715,412)**	**(95,538)**	**(9,810,950)**
EXPENSE											
Salaries, Wages & Benefits	2,370,978	268,635	2,639,613	84,550	2,724,163	31,164	2,755,327	31,164	2,786,491	-	2,786,491
Service and Maintenance Contracts	1,166,357	204,570	1,370,927	4,652	1,375,579	10,453	1,386,032	10,453	1,396,485	5,883	1,402,368
Consulting and Professional Services	407,154	131,926	539,080	-	539,080	-	539,080	-	539,080	-	539,080
Fuel	20,300	-	20,300	-	20,300	-	20,300	-	20,300	-	20,300
Equipment and Vehicle Rental	657,667	77,907	735,574	13,891	749,465	14,145	763,610	14,145	777,755	12,547	790,302
Communication and Technology	17,026	125	17,151	49	17,200	60	17,260	60	17,320	40	17,360
Materials and Supplies	405,660	31,942	437,602	-	437,602	459	438,061	459	438,520	-	438,520
Utility User Fees	101,540	2,285	103,825	2,336	106,161	2,389	108,550	2,389	110,939	2,442	113,381
Debt Principal and Interest	847,302	-	847,302	-	847,302	-	847,302	-	847,302	-	847,302
Internal Charges & Recoveries	469,560	53,816	523,376	48,559	571,935	19,902	591,837	19,902	611,739	18,430	630,169
Contribution to Capital	1,878,121	-	1,878,121	-	1,878,121	-	1,878,121	-	1,878,121	-	1,878,121
External Unidentified	150,000	-	150,000	-	150,000	-	150,000	-	150,000	-	150,000
Other Supplies and Expense	31,829	433	32,262	-	32,262	54,549	86,811	54,549	141,360	56,196	197,556
TOTAL EXPENSE	**8,523,494**	**771,639**	**9,295,133**	**154,037**	**9,449,170**	**133,121**	**9,582,291**	**133,121**	**9,715,412**	**95,538**	**9,810,950**
SHORTFALL/(SURPLUS)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

TOWNSHIP OF LANGLEY
STORMWATER - excludes TransLink
2019-2023 OPERATING BUDGET

	2018 BUDGET (Base)	2019 Change	2019 BUDGET	2020 Change	2020 BUDGET	2021 Change	2021 BUDGET	2022 Change	2022 BUDGET	2023 Change	2023 BUDGET
TAX REVENUE											
Property Tax Base			(7,189,173)		(7,665,601)		(7,817,033)		(7,947,497)		(8,077,961)
Property Tax from New Growth		(107,838)	(107,838)	(153,312)	(153,312)	(156,341)	(156,341)	(158,950)	(158,950)	(161,559)	(161,559)
Property Tax Change		(368,590)	(368,590)	1,880	1,880	25,877	25,877	28,486	28,486	68,729	68,729
	(7,189,173)	**(476,428)**	(7,665,601)	**(151,432)**	(7,817,033)	**(130,464)**	(7,947,497)	**(130,464)**	(8,077,961)	**(92,830)**	(8,170,791)
NON-TAX REVENUE											
Special Levies/Grants-In-Lieu	(11,684)	(1,831)	(13,515)	-	(13,515)	-	(13,515)	-	(13,515)	-	(13,515)
Sales of Services	(134,296)	5,195	(129,101)	-	(129,101)	-	(129,101)	-	(129,101)	-	(129,101)
Development Revenue	(25,000)	-	(25,000)	-	(25,000)	-	(25,000)	-	(25,000)	-	(25,000)
Investment Income	(15,000)	-	(15,000)	-	(15,000)	-	(15,000)	-	(15,000)	-	(15,000)
Other Revenue	(258,281)	-	(258,281)	-	(258,281)	-	(258,281)	-	(258,281)	-	(258,281)
Debt Repayment Contributions	(532,622)	-	(532,622)	-	(532,622)	-	(532,622)	-	(532,622)	-	(532,622)
Transfer from Own Funds	-	(293,974)	(293,974)	-	(293,974)	-	(293,974)	-	(293,974)	-	(293,974)
External Unidentified Revenue	(150,000)	-	(150,000)	-	(150,000)	-	(150,000)	-	(150,000)	-	(150,000)
TOTAL REVENUE	**(8,316,056)**	**(767,038)**	**(9,083,094)**	**(151,432)**	**(9,234,526)**	**(130,464)**	**(9,364,990)**	**(130,464)**	**(9,495,454)**	**(92,830)**	**(9,588,284)**
EXPENSE											
Salaries, Wages & Benefits	2,276,613	265,180	2,541,793	82,594	2,624,387	31,164	2,655,551	31,164	2,686,715	-	2,686,715
Service and Maintenance Contracts	1,116,631	204,570	1,321,201	4,652	1,325,853	10,453	1,336,306	10,453	1,346,759	5,883	1,352,642
Consulting and Professional Services	407,154	131,926	539,080	-	539,080	-	539,080	-	539,080	-	539,080
Fuel	20,300	-	20,300	-	20,300	-	20,300	-	20,300	-	20,300
Equipment and Vehicle Rental	624,896	76,761	701,657	13,242	714,899	13,484	728,383	13,484	741,867	11,874	753,741
Communication and Technology	17,026	125	17,151	49	17,200	60	17,260	60	17,320	40	17,360
Materials and Supplies	393,161	31,942	425,103	-	425,103	459	425,562	459	426,021	-	426,021
Utility User Fees	101,540	2,285	103,825	2,336	106,161	2,389	108,550	2,389	110,939	2,442	113,381
Debt Principal and Interest	847,302	-	847,302	-	847,302	-	847,302	-	847,302	-	847,302
Internal Charges & Recoveries	452,494	53,816	506,310	48,559	554,869	19,902	574,771	19,902	594,673	18,430	613,103
Contribution to Capital	1,878,121	-	1,878,121	-	1,878,121	-	1,878,121	-	1,878,121	-	1,878,121
External Unidentified	150,000	-	150,000	-	150,000	-	150,000	-	150,000	-	150,000
Other Supplies and Expense	30,818	433	31,251	-	31,251	52,553	83,804	52,553	136,357	54,161	190,518
TOTAL EXPENSE	**8,316,056**	**767,038**	**9,083,094**	**151,432**	**9,234,526**	**130,464**	**9,364,990**	**130,464**	**9,495,454**	**92,830**	**9,588,284**
SHORTFALL/(SURPLUS)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Township of Langley
FIVE YEAR OPERATING PLAN
STORMWATER UTILITY - excludes TransLink - NON-DISCRETIONARY ADJUSTMENTS

	2019	2020	2021	2022	2023
REVENUE (Non-Tax)					
SPECIAL LEVIES/GRANTS-IN-LIEU					
- Align Dyking Fees to Actuals	(1,831)	-	-	-	-
SPECIAL LEVIES/GRANTS-IN-LIEU	**(1,831)**	**-**	**-**	**-**	**-**
SALES OF SERVICES					
- Transfer Driveway permit Revenue to Transportation	5,195	-	-	-	-
SALES OF SERVICES	**5,195**	**-**	**-**	**-**	**-**
TRANSFER FROM OWN FUNDS					
- 2018 One-Time Program CFWD - Prior Year Surplus	(242,286)	-	-	-	-
TRANSFER FROM OWN FUNDS	**(242,286)**	**-**	**-**	**-**	**-**
REVENUE ADJUSTMENTS	**(238,922)**	**-**	**-**	**-**	**-**
EXPENSE					
SALARY, WAGES & BENEFITS					
- Collective Bargaining and Contract Increases	45,799	46,717	-	-	-
- Employer Health Tax	42,101	842	-	-	-
- Steps/Increments	13,454	-	-	-	-
- Beaver Control Program	20,000	20,000	20,000	-	-
- Dention Pond Maintenance Progam	9,450	9,450	9,450	-	-
- Environmental Co-ordinator II replacing Technical Assistant	20,841	-	-	-	-
- Environmental Co-ordinator II replacing Technical Assistant	(12,857)	-	-	-	-
- Return to Work Co-ordinator	5,000	5,100			
- 2018 One-Time Program CFWD	6,000	-	-	-	-
- Operating Impact of Development Capital Works	24,228	485	-	-	-
- Operating Impact from ToL Capital Construction	11,582	-	-	-	-
SALARY, WAGES & BENEFITS	**185,598**	**82,594**	**29,450**	**-**	**-**
SERVICE AND MAINTENANCE CONTRACTS					
- Annual Rock Pit Cleaning Program	10,000	2,000	2,000	2,000	2,000
- Annual CCTV / Flush Program Increased contract costs	3,400	3,400	3,400	3,400	3,400
- Dention Pond Maintenance Progam	3,750	3,750	3,750	-	-
- Vacumn Truck Waste to non-ToL facilities	95,000	-	-	-	-
- Dispatch fees	205	209	215	221	226
- LEPS Lease	411	393	262	262	262
- Return to Work Coordinatory, from Berm Removal Contracts	(5,000)	(5,100)	-	-	-
- 2018 One-Time Program CFWD	84,360	-	-	-	-
- Operating Impact of Development Capital Works	11,681	-	-	-	-
- Operating Impact from ToL Capital Construction	763	-	-	-	-
SERVICE AND MAINTENANCE CONTRACTS	**204,570**	**4,652**	**9,627**	**5,883**	**5,888**
CONSULTING AND LEGAL SERVICES					
- 2018 One-Time Program CFWD	131,926	-	-	-	-
CONSULTING AND LEGAL SERVICES	**131,926**	**-**	**-**	**-**	**-**
EQUIPMENT & VEHICLE RENTAL					
- Equipment and Vehicle Rental - Internal (Monthly)	2,210	1,223	1,248	1,273	1,298
- Equipment and Vehicle Rental - Internal (Hourly)	15,854	8,771	8,943	9,125	9,306
- Equipment and Vehicle Rental - External (Hired)	1,436	1,448	1,462	1,476	1,491
- Dention Pond Maintenance Progam	1,800	1,800	1,800	-	-
- Vacumn Truck Waste to non-ToL facilities	40,000	-	-	-	-
- Operating Impact of Development Capital Works	433	-	-	-	-
- Operating Impact from ToL Capital Construction	15,028	-	-	-	-
EQUIPMENT & VEHICLE RENTAL	**76,761**	**13,242**	**13,453**	**11,874**	**12,095**
COMMUNICATION AND TECHNOLOGY					
- GVRD Geospatial Reference System Fee	125	49	60	40	60
COMMUNICATION AND TECHNOLOGY	**125**	**49**	**60**	**40**	**60**
MATERIALS & SUPPLIES					
- 2018 One-Time Program CFWD	20,000	-	-	-	-
- Operating Impact of Development Capital Works	6,490	-	-	-	-
- Operating Impact from ToL Capital Construction	5,452	-	-	-	-
MATERIALS & SUPPLIES	**31,942**	**-**	**-**	**-**	**-**
UTILITY USER FEES					
- Electricity	2,285	2,336	2,389	2,442	2,497
- Operating Impact of Development Capital Works	-	-	-	-	-
- Operating Impact from ToL Capital Construction	-	-	-	-	-
UTILITY USER FEES	**2,285**	**2,336**	**2,389**	**2,442**	**2,497**
INTERNAL CHARGES & RECOVERIES					
- Project Management Salary Recoveries, remove	11,250	11,250	11,250	11,250	11,250
- Administrative Overhead	42,566	37,309	8,652	7,180	7,670
INTERNAL CHARGES & RECOVERIES	**53,816**	**48,559**	**19,902**	**18,430**	**18,920**

Township of Langley
FIVE YEAR OPERATING PLAN
STORMWATER UTILITY - excludes TransLink - NON-DISCRETIONARY ADJUSTMENTS

	2019	2020	2021	2022	2023
OTHER SUPPLIES AND EXPENSES					
- Operating Impact of Development Capital Works	433	-	-	-	-
- Operating Impact from ToL Capital Construction	-	-	-	-	-
OTHER SUPPLIES AND EXPENSES	**433**	**-**	**-**	**-**	**-**
FISCAL SERVICES	**-**	**-**	**50,896**	**52,503**	**53,553**
EXPENSE ADJUSTMENTS	**687,456**	**151,432**	**125,777**	**91,172**	**93,013**
NET NON-DISCRETIONARY ADJUSTMENTS	**448,534**	**151,432**	**125,777**	**91,172**	**93,013**

Township of Langley
FIVE YEAR OPERATING PLAN
STORMWATER UTILITY - excludes TransLink - DISCRETIONARY ADJUSTMENTS

	2019	2020	2021	2022	2023
REVENUE (Non-Tax)					
TRANSFER FROM OWN FUNDS					
- 2019 One-Time Program New Requests - Prior Year Surplus	(51,688)	-	-	-	-
TRANSFER FROM OWN FUNDS	**(51,688)**	**-**	**-**	**-**	**-**
REVENUE ADJUSTMENTS	**(51,688)**	**-**	**-**	**-**	**-**
EXPENSE					
SALARY, WAGES & BENEFITS					
- Engineer in Training	27,894	-	-	-	-
- 2019 One-Time Program New Requests	51,688		-	-	-
- Operating Impact from ToL Capital Construction	-	-	1,714	-	-
SALARY, WAGES & BENEFITS	**79,582**	**-**	**1,714**	**-**	**-**
SERVICE AND MAINTENANCE CONTRACTS					
- Operating Impact from ToL Capital Construction	-	-	826	-	-
SERVICE AND MAINTENANCE CONTRACTS	**-**	**-**	**826**	**-**	**-**
EQUIPMENT & VEHICLE RENTAL					
- Operating Impact from ToL Capital Construction	-	-	31	-	-
EQUIPMENT & VEHICLE RENTAL	**-**	**-**	**31**	**-**	**-**
MATERIALS & SUPPLIES					
- Operating Impact from ToL Capital Construction	-	-	459	-	-
MATERIALS & SUPPLIES	**-**	**-**	**459**	**-**	**-**
UTILITY USER FEES				-	-
- Operating Impact from ToL Capital Construction	-	-	-	-	-
UTILITY USER FEES	**-**	**-**	**-**	**-**	**-**
OTHER SUPPLIES AND EXPENSES					
- Operating Impact from ToL Capital Construction	-	-	31	-	-
OTHER SUPPLIES AND EXPENSES	**-**	**-**	**31**	**-**	**-**
FISCAL SERVICES	**-**	**-**	**1,626**	**1,658**	**1,659**
EXPENSE ADJUSTMENTS	**79,582**	**-**	**4,687**	**1,658**	**1,659**
NET DISCRETIONARY ADJUSTMENTS	**27,894**	**-**	**4,687**	**1,658**	**1,659**

TOWNSHIP OF LANGLEY
STORMWATER - TransLink funded
2019-2023 OPERATING BUDGET

	2018 BUDGET (Base)	2019 Change	2019 BUDGET	2020 Change	2020 BUDGET	2021 Change	2021 BUDGET	2022 Change	2022 BUDGET	2023 Change	2023 BUDGET
NON-TAX REVENUE											
Special Levies/Grants-In-Lieu	-	-	-	-	-	-	-	-	-	-	-
Government Grants	(207,438)	(4,601)	(212,039)	(2,605)	(214,644)	(2,657)	(217,301)	(2,657)	(219,958)	(2,708)	(222,666)
TOTAL REVENUE	**(207,438)**	**(4,601)**	**(212,039)**	**(2,605)**	**(214,644)**	**(2,657)**	**(217,301)**	**(2,657)**	**(219,958)**	**(2,708)**	**(222,666)**
EXPENSE											
Salaries, Wages & Benefits	94,365	3,455	97,820	1,956	99,776	-	99,776	-	99,776	-	99,776
Service and Maintenance Contracts	49,726	-	49,726	-	49,726	-	49,726	-	49,726	-	49,726
Equipment and Vehicle Rental	32,771	1,146	33,917	649	34,566	661	35,227	661	35,888	673	36,561
Materials and Supplies	12,499	-	12,499	-	12,499	-	12,499	-	12,499	-	12,499
Internal Charges & Recoveries	17,066	-	17,066	-	17,066	-	17,066	-	17,066	-	17,066
Other Supplies and Expense	1,011	-	1,011	-	1,011	1,996	3,007	1,996	5,003	2,035	7,038
TOTAL EXPENSE	**207,438**	**4,601**	**212,039**	**2,605**	**214,644**	**2,657**	**217,301**	**2,657**	**219,958**	**2,708**	**222,666**
SHORTFALL/(SURPLUS)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Township of Langley
FIVE YEAR OPERATING PLAN
STORMWATER UTILITY - TransLink Funded - NON-DISCRETIONARY ADJUSTMENTS

	2019	2020	2021	2022	2023
REVENUE (Non-Tax)					
GOVERNMENT GRANTS					
- Translink Funding	(4,601)	(2,605)	(2,657)	(2,708)	(2,762)
GOVERNMENT GRANTS	**(4,601)**	**(2,605)**	**(2,657)**	**(2,708)**	**(2,762)**
REVENUE ADJUSTMENTS	**(4,601)**	**(2,605)**	**(2,657)**	**(2,708)**	**(2,762)**
EXPENSE					
SALARY, WAGES & BENEFITS					
- Collective Bargaining and Contract Increases	1,887	1,925	-	-	-
- Employer Health Tax	1,568	31			
SALARY, WAGES & BENEFITS	**3,455**	**1,956**	**-**	**-**	**-**
EQUIPMENT & VEHICLE RENTAL					
- Equipment and Vehicle Rental - Internal (Hourly)	1,116	618	630	642	655
- Equipment and Vehicle Rental - External (Hired)	30	31	31	31	31
EQUIPMENT & VEHICLE RENTAL	**1,146**	**649**	**661**	**673**	**686**
FISCAL SERVICES	**-**	**-**	**1,996**	**2,035**	**2,076**
EXPENSE ADJUSTMENTS	**4,601**	**2,605**	**2,657**	**2,708**	**2,762**
NET NON-DISCRETIONARY ADJUSTMENTS	**-**	**-**	**-**	**-**	**-**

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TOWNSHIP OF LANGLEY
FIRE
2019-2023 OPERATING BUDGET

	2018 BUDGET (Base)	2019 Change	2019 BUDGET	2020 Change	2020 BUDGET	2021 Change	2021 BUDGET	2022 Change	2022 BUDGET	2023 Change	2023 BUDGET
TAX REVENUE											
Property Tax Base			(16,723,573)		(17,638,540)		(18,071,114)		(18,484,858)		(18,898,601)
Property Tax from New Growth		(250,854)	(250,854)	(352,771)	(352,771)	(361,422)	(361,422)	(369,697)	(369,697)	(377,972)	(377,972)
Property Tax Change		(664,114)	(664,114)	(79,803)	(79,803)	(52,321)	(52,321)	(44,046)	(44,046)	(104,558)	(104,558)
	(16,723,573)	**(914,967)**	(17,638,540)	**(432,574)**	(18,071,114)	**(413,744)**	(18,484,858)	**(413,744)**	(18,898,601)	**(482,530)**	(19,381,131)
NON-TAX REVENUE											
Service Cost Recoveries	(57,200)	(1,482)	(58,682)	(513)	(59,195)	(518)	(59,712)	(518)	(60,230)	(523)	(60,753)
Service Cost Sharing	(60,454)	-	(60,454)	-	(60,454)	-	(60,454)	-	(60,454)	-	(60,454)
Sales of Services	(15,000)	-	(15,000)	-	(15,000)	-	(15,000)	-	(15,000)	-	(15,000)
Permit and License Fees	(60,200)	-	(60,200)	-	(60,200)	-	(60,200)	-	(60,200)	-	(60,200)
Other Revenue	(1,394,265)	-	(1,394,265)	-	(1,394,265)	-	(1,394,265)	-	(1,394,265)	-	(1,394,265)
Transfer from Own Funds	-	(9,048)	(9,048)	9,048	-	-	-	-	-	-	-
TOTAL REVENUE	**(18,310,692)**	**(925,497)**	**(19,236,189)**	**(424,039)**	**(19,660,227)**	**(414,261)**	**(20,074,489)**	**(414,261)**	**(20,488,750)**	**(483,053)**	**(20,971,803)**
EXPENSE											
Salaries, Wages & Benefits	15,030,517	815,261	15,845,778	59,769	15,905,547	-	15,905,547	-	15,905,547	58,980	15,964,527
Service and Maintenance Contracts	804,934	64,357	869,291	19,468	888,759	20,610	909,369	20,610	929,979	20,756	950,734
Consulting and Professional Services	-	9,048	9,048	(9,048)	-	-	-	-	-	-	-
Fuel	136,669	14,588	151,257	3,025	154,282	3,086	157,368	3,086	160,454	3,147	163,601
Equipment and Vehicle Rental	18,109	679	18,788	376	19,164	383	19,547	383	19,930	391	20,321
Communication and Technology	54,193	-	54,193	-	54,193	-	54,193	-	54,193	-	54,193
Insurance	121,393	-	121,393	-	121,393	-	121,393	-	121,393	-	121,393
Materials and Supplies	427,731	-	427,731	-	427,731	-	427,731	-	427,731	-	427,731
Internal Charges & Recoveries	155,000	-	155,000	-	155,000	-	155,000	-	155,000	-	155,000
Transfer to Own Funds	1,370,000	-	1,370,000	-	1,370,000	-	1,370,000	-	1,370,000	-	1,370,000
Contribution to Capital	57,000	-	57,000	-	57,000	-	57,000	-	57,000	-	57,000
Other Supplies and Expense	135,146	21,564	156,710	350,448	507,158	390,182	897,341	390,182	1,287,523	399,779	1,687,302
TOTAL EXPENSE	**18,310,692**	**925,497**	**19,236,189**	**424,039**	**19,660,227**	**414,261**	**20,074,489**	**414,261**	**20,488,750**	**483,053**	**20,971,803**
SHORTFALL/(SURPLUS)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Township of Langley
FIVE YEAR OPERATING PLAN
FIRE RESCUE SERVICES - NON-DISCRETIONARY ADJUSTMENTS

	2019	2020	2021	2022	2023
REVENUE (Non-Tax)					
SERVICE COST RECOVERIES					
- Emergency Operations Centre, Co-ordinator Cost Share	(1,482)	(513)	(518)	(523)	(529)
SERVICE COST RECOVERIES	**(1,482)**	**(513)**	**(518)**	**(523)**	**(529)**
TRANSFER FROM OWN FUNDS					
- 2018 One-Time Program CFWDs - Prior Year Surplus	(9,048)	9,048	-	-	-
TRANSFER FROM OWN FUNDS	**(9,048)**	**9,048**	**-**	**-**	**-**
REVENUE ADJUSTMENTS	**(10,530)**	**8,535**	**(518)**	**(523)**	**(529)**
EXPENSE					
SALARY, WAGES & BENEFITS					
- Collective Bargaining and Contract Increases - IAFF	337,803	-	-	-	-
- Collective Bargaining and Contract Increases - Non-IAFF	14,054	6,991	-	-	-
- Employer Health Tax	295,536	5,911			
- Steps/Increments	89,577	-	-	-	-
- Firefighters move to 10th year increment	61,978	30,227	-	46,864	21,430
- Auxiliary benefit load increase - Non-IAFF	-	-	-	-	-
- Firefighters move to 15th year increment	-	-	-	12,116	40,062
- Paid Call	16,313	16,640	-	-	-
SALARY, WAGES & BENEFITS	**815,261**	**59,769**	**-**	**58,980**	**61,492**
SERVICE AND MAINTENANCE CONTRACTS					
- Dispatch Contract	4,566	4,686	4,804	4,924	5,047
- Emergency Operations Centre, Worksafe and Clerical	4,178	1,782	1,806	1,832	1,859
- E-Comm - 700 MHz upgrade, as of May 23 2018	49,000	13,000	14,000	14,000	14,000
- Search and Rescue Cost Share	6,613				
SERVICE AND MAINTENANCE CONTRACTS	**64,357**	**19,468**	**20,610**	**20,756**	**20,906**
- 2018 One-Time Program CFWDs	9,048	(9,048)	-	-	-
CONSULTING AND LEGAL SERVICES	**9,048**	**(9,048)**	**-**	**-**	**-**
FUEL					
- Diesel	13,975	2,400	2,448	2,497	2,547
- Gasoline	613	625	638	650	663
FUEL	**14,588**	**3,025**	**3,086**	**3,147**	**3,210**
EQUIPMENT & VEHICLE RENTAL					
- Equipment and Vehicle Rental - Internal	679	376	383	391	399
EQUIPMENT & VEHICLE RENTAL	**679**	**376**	**383**	**391**	**399**
TRANSFER TO RESERVES					
- Fire Vehicles and Equipment Transfer to Reserve	(10,000)	-	-	-	-
- PW Equip Replacement Reserve,contribution for new Repair Vehic	10,000	-	-	-	-
TRANSFER TO RESERVES	**-**	**-**	**-**	**-**	**-**
OTHER SUPPLIES AND EXPENSES					
- IAFF Wellnes Program - 94 IAFF members at $225 per year	21,150				
- Emergency Operations Centre Supplies	414	411	419	427	427
OTHER SUPPLIES AND EXPENSES	**21,564**	**411**	**419**	**427**	**427**
FISCAL SERVICES	**-**	**350,037**	**389,763**	**399,352**	**409,178**
EXPENSE ADJUSTMENTS	**925,497**	**424,039**	**414,261**	**483,053**	**495,612**
NET NON-DISCRETIONARY ADJUSTMENTS	**914,967**	**432,574**	**413,744**	**482,530**	**495,083**

TOWNSHIP OF LANGLEY
POLICE
2019-2023 OPERATING BUDGET

	2018 BUDGET (Base)	2019 Change	2019 BUDGET	2020 Change	2020 BUDGET	2021 Change	2021 BUDGET	2022 Change	2022 BUDGET	2023 Change	2023 BUDGET
TAX REVENUE											
Property Tax Base			(29,576,794)		(31,120,079)		(32,252,949)		(33,748,982)		(35,245,015)
Property Tax from New Growth		(443,652)	(443,652)	(622,402)	(622,402)	(645,059)	(645,059)	(674,980)	(674,980)	(704,900)	(704,900)
Property Tax Change		(1,099,633)	(1,099,633)	(510,468)	(510,468)	(850,974)	(850,974)	(821,053)	(821,053)	(588,558)	(588,558)
	(29,576,794)	(1,543,285)	(31,120,079)	(1,132,870)	(32,252,949)	(1,496,033)	(33,748,982)	(1,496,033)	(35,245,015)	(1,293,458)	(36,538,473)
NON-TAX REVENUE											
Government Grants	(1,460,190)	(7,613)	(1,467,803)	-	(1,467,803)	-	(1,467,803)	-	(1,467,803)	-	(1,467,803)
Service Cost Recoveries	(506,052)	(56,425)	(562,477)	(8,400)	(570,877)	(8,568)	(579,445)	(8,568)	(588,013)	(8,739)	(596,752)
Service Cost Sharing	(1,911,162)	(522,855)	(2,434,017)	(61,558)	(2,495,575)	(81,703)	(2,577,278)	(81,703)	(2,658,981)	(59,432)	(2,718,413)
Sales of Services	(148,366)	-	(148,366)	-	(148,366)	-	(148,366)	-	(148,366)	-	(148,366)
Other Revenue	(2,584,889)	(23,676)	(2,608,565)	23,676	(2,584,889)	-	(2,584,889)	-	(2,584,889)	-	(2,584,889)
TOTAL REVENUE	**(36,187,453)**	**(2,153,854)**	**(38,341,307)**	**(1,179,152)**	**(39,520,459)**	**(1,586,304)**	**(41,106,763)**	**(1,586,304)**	**(42,693,067)**	**(1,361,629)**	**(44,054,696)**
EXPENSE											
Salaries, Wages & Benefits	8,031,517	409,482	8,440,999	245,884	8,686,883	160,025	8,846,908	160,025	9,006,933	67,604	9,074,537
Special Contracts	26,864,779	1,606,580	28,471,359	944,203	29,415,562	1,233,468	30,649,030	1,233,468	31,882,498	1,088,551	32,971,049
Service and Maintenance Contracts	321,971	(5,893)	316,078	2,220	318,298	2,220	320,518	2,220	322,738	2,220	324,958
Consulting and Professional Services	500	-	500	-	500	-	500	-	500	-	500
Fuel	349,262	53,738	403,000	8,000	411,000	8,160	419,160	8,160	427,320	8,323	435,643
Equipment and Vehicle Rental	102,194	3,832	106,026	2,121	108,147	2,163	110,310	2,163	112,473	2,206	114,679
Communication and Technology	87,810	(17,353)	70,457	-	70,457	-	70,457	-	70,457	-	70,457
Insurance	19,628	-	19,628	-	19,628	-	19,628	-	19,628	-	19,628
Materials and Supplies	89,805	21,875	111,680	(23,676)	88,004	-	88,004	-	88,004	-	88,004
Internal Charges & Recoveries	21,435	-	21,435	-	21,435	-	21,435	-	21,435	-	21,435
Transfer to Own Funds	96,108	83,163	179,271	400	179,671	408	180,079	408	180,487	416	180,903
Contribution to Capital	77,000	-	77,000	-	77,000	-	77,000	-	77,000	-	77,000
Other Supplies and Expense	125,444	(1,570)	123,874	-	123,874	179,860	303,734	179,860	483,594	192,309	675,903
TOTAL EXPENSE	**36,187,453**	**2,153,854**	**38,341,307**	**1,179,152**	**39,520,459**	**1,586,304**	**41,106,763**	**1,586,304**	**42,693,067**	**1,361,629**	**44,054,696**
SHORTFALL/(SURPLUS)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Township of Langley
FIVE YEAR OPERATING PLAN
POLICE PROTECTION - NON-DISCRETIONARY ADJUSTMENTS

	2019	2020	2021	2022	2023
REVENUE (Non-Tax)					
GOVERNMENT GRANTS					
- Victim Services	(7,613)	-	-	-	-
GOVERNMENT GRANTS	**(7,613)**	**-**	**-**	**-**	**-**
SERVICE COST RECOVERIES					
- Adjust ARI fuel revenue to anticipated sales.	(56,425)	(8,400)	(8,568)	(8,739)	(8,915)
SERVICE COST RECOVERIES	**(56,425)**	**(8,400)**	**(8,568)**	**(8,739)**	**(8,915)**
SERVICE COST SHARING					
- CPO 100% Recovery	(3,273)	-	-	-	-
- Clerk Typist 3 (Cost Sharing Revovery) Aux funds	(6,459)	(129)	-	-	-
- Salary and Wages (Cost Sharing Recovery)	(80,821)	(41,411)	(41,697)	(42,531)	(43,316)
- RCMP Exhibit Storage (Cost Sharing Recovery)	(2,400)	-	-	-	-
- RCMP Member Sharing Contribution	(400,000)	-	-	-	-
- Forensic Video Tech (RCMP E-Division Recovery)	(12,190)	(1,693)	-	-	-
SERVICE COST SHARING	**(505,143)**	**(43,233)**	**(41,697)**	**(42,531)**	**(43,316)**
OTHER REVENUE					
- 2018 One-Time Program CFWDs	(12,424)	12,424	-	-	-
OTHER REVENUE	**(12,424)**	**12,424**	**-**	**-**	**-**
REVENUE ADJUSTMENTS	**(581,605)**	**(39,209)**	**(50,265)**	**(51,270)**	**(52,231)**
EXPENSE					
SALARY, WAGES & BENEFITS					
- Collective Bargaining and Contract Increases	160,004	168,820	-	-	-
- Employer Health Tax	159,758	3,195	-	-	-
- Steps/Increments	(9,530)	-	-	-	-
- Clerk Typist 3 (Cost Shared Resource) Aux funds	26,523	530	-	-	-
SALARY, WAGES & BENEFITS	**336,755**	**172,545**	**-**	**-**	**-**
SPECIAL CONTRACT (i.e. RCMP, etc.)					
- RCMP Contract	577,866	580,445	672,864	684,776	684,776
- RCMP Contract - Annualize 4 Members, started Oct 1 2018	512,723	-	-	-	-
SPECIAL CONTRACT (i.e. RCMP, etc.)	**1,090,589**	**580,445**	**672,864**	**684,776**	**684,776**
SERVICE AND MAINTENANCE CONTRACTS					
- Metro Vancovuer Crime Stoppers	2,220	220	220	220	220
- RCMP Events Security at Civic Facilities	60,000	-	-	-	-
- E-Comm	(8,361)	2,000	2,000	2,000	2,000
- CPO Community Assessment, Interim Tsf to Reserve	(59,752)	-	-	-	-
SERVICE AND MAINTENANCE CONTRACTS	**(5,893)**	**2,220**	**2,220**	**2,220**	**2,220**
FUEL					
- Fuel billings to ARI for RCMP Fleet usage	53,738	8,000	8,160	8,323.00	8,490.00
FUEL	**53,738**	**8,000**	**8,160**	**8,323**	**8,490**
EQUIPMENT & VEHICLE RENTAL					
- Equipment and Vehicle Rental - Internal	3,832	2,121	2,163	2,206	2,249
EQUIPMENT & VEHICLE RENTAL	**3,832**	**2,121**	**2,163**	**2,206**	**2,249**
COMMUNICATION AND TECHNOLOGY					
- CPO Community Assessment, Interim Tsf to Reserve	(17,353)	-	-	-	-
COMMUNICATION AND TECHNOLOGY	**(17,353)**	**-**	**-**	**-**	**-**
MATERIALS & SUPPLIES					
- CPO Community Assessment, Interim Tsf to Reserve	(1,801)	-	-	-	-
- 2018 One-Time Program CFWDs	12,424	(12,424)	-	-	-
MATERIALS & SUPPLIES	**10,623**	**(12,424)**	**-**	**-**	**-**
TRANSFER TO RESERVES					
- Fuel billings to ARI for RCMP Fleet usage	2,687	400	408	416	425
- CPO Community Assessment, Interim Tsf to Reserve	80,476	-	-	-	-
TRANSFER TO RESERVES	**83,163**	**400**	**408**	**416**	**425**
OTHER SUPPLIES AND EXPENSES					
- CPO Community Assessment, Interim Tsf to Reserve	(1,570)	-	-	-	-
OTHER SUPPLIES AND EXPENSES	**(1,570)**	**-**	**-**	**-**	**-**
FISCAL SERVICES	**-**	**-**	**173,738**	**177,212**	**180,482**
EXPENSE ADJUSTMENTS	**1,553,884**	**753,307**	**859,553**	**875,153**	**878,642**
NET NON-DISCRETIONARY ADJUSTMENTS	**972,279**	**714,098**	**809,288**	**823,883**	**826,411**

Township of Langley
FIVE YEAR OPERATING PLAN
POLICE PROTECTION - DISCRETIONARY ADJUSTMENTS

	2019	2020	2021	2022	2023
REVENUE (Non-Tax)					
SERVICE COST SHARING					
- Lead Hand Guard (Cost Sharing Contribution)	(17,712)	(354)	-	-	-
- Clerk/Typist 4 (Cost Sharing Contribution)	-	(17,971)	-	-	-
- Victim Support Worker (Cost Sharing Contribution)	-	-	(19,882)	-	-
- Fleet Coordinator (Cost Sharing Contribution)	-	-	(20,124)	-	-
- Clerk Typist 3 (Cost Sharing Contribution)	-	-	-	(16,901)	-
- IT User Support Specialist (Cost Sharing Contribution)	-	-	-	-	(21,582)
SERVICE COST SHARING	**(17,712)**	**(18,325)**	**(40,006)**	**(16,901)**	**(21,582)**
OTHER REVENUE					
- 2019 One-Time Program New Requests	(11,252)	11,252	-	-	-
OTHER REVENUE	**(11,252)**	**11,252**	**-**	**-**	**-**
REVENUE ADJUSTMENTS	**(28,964)**	**(7,073)**	**(40,006)**	**(16,901)**	**(21,582)**
EXPENSE					
SALARY, WAGES & BENEFITS					
- Lead Hand Guard (Shared Resource)	72,727	1,455	-	-	-
- Clerk/Typist 4 (Shared Resource)	-	71,884	-	-	-
- Victim Support Worker (Shared Resource)	-	-	79,528	-	-
- Fleet Coordinator (Shared Resource)	-	-	80,497	-	-
- Clerk Typist 3 (Shared Resource)	-	-	-	67,604	-
- IT User Support Specialist (Shared Resource)	-	-	-	-	64,745
SALARY, WAGES & BENEFITS	**72,727**	**73,339**	**160,025**	**67,604**	**64,745**
SPECIAL CONTRACT (i.e. RCMP, etc.) January 1 Start Date					
- Regular Members (3)	515,991	12,900	13,222	13,553	13,892
- Regular Members (2)	-	350,858	8,771	8,991	9,216
- Regular Members (3)	-	-	538,611	13,465	13,802
- Regular Members (2)	-	-	-	367,766	9,194
- Regular Members (3)	-	-	-	-	565,578
SPECIAL CONTRACT (i.e. RCMP, etc.) January 1 Start Date	**515,991**	**363,758**	**560,604**	**403,775**	**611,682**
MATERIALS & SUPPLIES					
- 2019 One-Time Program New Requests	11,252	(11,252)	-	-	-
MATERIALS & SUPPLIES	**11,252**	**(11,252)**	**-**	**-**	**-**
FISCAL SERVICES	**-**	**-**	**6,122**	**15,097**	**17,713**
EXPENSE ADJUSTMENTS	**599,970**	**425,845**	**726,751**	**486,476**	**694,140**
NET DISCRETIONARY ADJUSTMENTS	**571,006**	**418,772**	**686,745**	**469,575**	**672,558**

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TOWNSHIP OF LANGLEY
RECREATION & CULTURE
2019-2023 OPERATING BUDGET

	2018 BUDGET (Base)	2019 Change	2019 BUDGET	2020 Change	2020 BUDGET	2021 Change	2021 BUDGET	2022 Change	2022 BUDGET	2023 Change	2023 BUDGET
TAX REVENUE											
Property Tax Base		-	(10,750,705)		(11,554,687)		(12,832,976)		(13,136,192)		(13,445,550)
Property Tax from New Growth		(161,261)	(161,261)	(231,094)	(231,094)	(256,660)	(256,660)	(262,724)	(262,724)	(268,911)	(268,911)
Property Tax Change		(642,722)	(642,722)	(1,047,195)	(1,047,195)	(46,556)	(46,556)	(46,634)	(46,634)	(45,396)	(45,396)
	(10,750,705)	(803,982)	(11,554,687)	(1,278,289)	(12,832,976)	(303,216)	(13,136,192)	(309,358)	(13,445,550)	(314,307)	(13,759,857)
NON-TAX REVENUE											
Special Levies/Grants-In-Lieu	(4,215,082)	(140,785)	(4,355,867)	-	(4,355,867)	-	(4,355,867)	-	(4,355,867)	-	(4,355,867)
Government Grants	(51,018)	-	(51,018)	-	(51,018)	-	(51,018)	-	(51,018)	-	(51,018)
Service Cost Recoveries	(7,700)	-	(7,700)	-	(7,700)	-	(7,700)	-	(7,700)	-	(7,700)
Sales of Services	(6,297,549)	(122,312)	(6,419,861)	-	(6,419,861)	-	(6,419,861)	-	(6,419,861)	-	(6,419,861)
Rentals and Leases	(1,584,696)	(5,783)	(1,590,479)	-	(1,590,479)	-	(1,590,479)	-	(1,590,479)	-	(1,590,479)
Other Revenue	(1,055,322)	-	(1,055,322)	-	(1,055,322)	-	(1,055,322)	-	(1,055,322)	-	(1,055,322)
Transfer from Own Funds	(789,344)	(426,715)	(1,216,059)	639,001	(577,058)	-	(577,058)	-	(577,058)	-	(577,058)
TOTAL REVENUE	**(24,751,416)**	**(1,499,577)**	**(26,250,993)**	**(639,288)**	**(26,890,281)**	**(303,216)**	**(27,193,497)**	**(309,358)**	**(27,502,855)**	**(314,307)**	**(27,817,162)**
EXPENSE											
Salaries, Wages & Benefits	12,893,340	922,477	13,815,817	138,178	13,953,995	7,254	13,961,249	7,399	13,968,648	6,227	13,974,875
Service and Maintenance Contracts	4,660,391	507,518	5,167,909	421,614	5,589,523	22,123	5,611,646	22,645	5,634,291	23,179	5,657,470
Consulting and Professional Services	309,487	(141,569)	167,918	(20,717)	147,201	-	147,201	-	147,201	-	147,201
Regional Charges/Recoveries	4,215,082	140,785	4,355,867	-	4,355,867	-	4,355,867	-	4,355,867	-	4,355,867
Equipment and Vehicle Rental	118,593	4,447	123,040	3,976	127,016	2,510	129,526	2,560	132,086	2,611	134,697
Communication and Technology	62,069	13,752	75,821	-	75,821	-	75,821	-	75,821	-	75,821
Insurance	163,797	4,848	168,645	-	168,645	-	168,645	-	168,645	-	168,645
Materials and Supplies	524,994	73,697	598,691	(59,083)	539,608	-	539,608	-	539,608	-	539,608
Municipal Grants	486,025	33,000	519,025	-	519,025	-	519,025	-	519,025	-	519,025
Internal Charges & Recoveries	(24,181)	(126,184)	(150,365)	126,184	(24,181)	-	(24,181)	-	(24,181)	-	(24,181)
Transfer to Own Funds	443,937	-	443,937	-	443,937	-	443,937	-	443,937	-	443,937
Contribution to Capital	200,000	-	200,000	-	200,000	-	200,000	-	200,000	-	200,000
Other Supplies and Expense	697,882	66,806	764,688	29,136	793,824	271,329	1,065,153	276,754	1,341,907	282,290	1,624,197
TOTAL EXPENSE	**24,751,416**	**1,499,577**	**26,250,993**	**639,288**	**26,890,281**	**303,216**	**27,193,497**	**309,358**	**27,502,855**	**314,307**	**27,817,162**
SHORTFALL/(SURPLUS)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

TOWNSHIP OF LANGLEY
RECREATION
2019-2023 OPERATING BUDGET

	2018 BUDGET (Base)	2019 Change	2019 BUDGET	2020 Change	2020 BUDGET	2021 Change	2021 BUDGET	2022 Change	2022 BUDGET	2023 Change	2023 BUDGET
TAX REVENUE											
Property Tax Base			(8,596,395)		(9,256,405)		(10,482,002)		(10,761,643)		(11,046,955)
Property Tax from New Growth		(128,946)	(128,946)	(185,128)	(185,128)	(209,640)	(209,640)	(215,233)	(215,233)	(220,939)	(220,939)
Property Tax Change		(531,064)	(531,064)	(1,040,469)	(1,040,469)	(70,001)	(70,001)	(70,079)	(70,079)	(68,841)	(68,841)
	(8,596,395)	**(660,010)**	(9,256,405)	**(1,225,598)**	(10,482,002)	**(279,641)**	(10,761,643)	**(285,312)**	(11,046,955)	**(289,780)**	(11,336,735)
NON-TAX REVENUE											
Government Grants	(1,002)	-	(1,002)	-	(1,002)	-	(1,002)	-	(1,002)	-	(1,002)
Service Cost Recoveries	(7,700)	-	(7,700)	-	(7,700)	-	(7,700)	-	(7,700)	-	(7,700)
Sales of Services	(6,194,467)	(122,312)	(6,316,779)	-	(6,316,779)	-	(6,316,779)	-	(6,316,779)	-	(6,316,779)
Rentals and Leases	(1,584,696)	(5,783)	(1,590,479)	-	(1,590,479)	-	(1,590,479)	-	(1,590,479)	-	(1,590,479)
Other Revenue	(1,034,855)	-	(1,034,855)	-	(1,034,855)	-	(1,034,855)	-	(1,034,855)	-	(1,034,855)
Transfer from Own Funds	(621,440)	(529,918)	(1,151,358)	579,918	(571,440)	-	(571,440)	-	(571,440)	-	(571,440)
TOTAL REVENUE	**(18,040,555)**	**(1,318,023)**	**(19,358,578)**	**(645,680)**	**(20,004,257)**	**(279,641)**	**(20,283,898)**	**(285,312)**	**(20,569,210)**	**(289,780)**	**(20,858,990)**
EXPENSE											
Salaries, Wages & Benefits	11,781,568	856,505	12,638,073	114,623	12,752,695	7,254	12,759,949	7,399	12,767,348	6,227	12,773,575
Service and Maintenance Contracts	4,646,610	507,518	5,154,128	421,614	5,575,742	22,123	5,597,865	22,645	5,620,510	23,179	5,643,689
Consulting and Professional Services	47,108	20,717	67,825	(20,717)	47,108	-	47,108	-	47,108	-	47,108
Equipment and Vehicle Rental	118,593	4,447	123,040	3,976	127,016	2,510	129,526	2,560	132,086	2,611	134,697
Communication and Technology	39,834	13,752	53,586	-	53,586	-	53,586	-	53,586	-	53,586
Insurance	148,812	4,848	153,660	-	153,660	-	153,660	-	153,660	-	153,660
Materials and Supplies	438,440	14,614	453,054	-	453,054	-	453,054	-	453,054	-	453,054
Internal Charges & Recoveries	(186,977)	(126,184)	(313,161)	126,184	(186,977)	-	(186,977)	-	(186,977)	-	(186,977)
Transfer to Own Funds	432,848	-	432,848	-	432,848	-	432,848	-	432,848	-	432,848
Contribution to Capital	200,000	-	200,000	-	200,000	-	200,000	-	200,000	-	200,000
Other Supplies and Expense	373,719	21,806	395,525	-	395,525	247,754	643,279	252,708	895,987	257,763	1,153,750
TOTAL EXPENSE	**18,040,555**	**1,318,023**	**19,358,578**	**645,680**	**20,004,257**	**279,641**	**20,283,898**	**285,312**	**20,569,210**	**289,780**	**20,858,990**
SHORTFALL/(SURPLUS)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Township of Langley
FIVE YEAR OPERATING PLAN
RECREATION - NON-DISCRETIONARY ADJUSTMENTS

	2019	2020	2021	2022	2023
REVENUE (Non-Tax)					
SALES OF SERVICES					
- ACUCC Sales of Services	1,657	-	-	-	-
- ACUCC Program Revenue	(142,569)	-	-	-	-
- ACUCC Admissions Revenue	(57,904)	-	-	-	-
- AKC, ACA and Outdoor Pool, budget adjustment	76,504				
SALES OF SERVICES	**(122,312)**	**-**	**-**	**-**	**-**
RENTALS & LEASES					
- ACUCC Rental Revenue	(137,493)	-	-	-	-
- AKC, ACA and Outdoor Pool, budget adjustment	131,710	-	-	-	-
RENTALS & LEASES	**(5,783)**	**-**	**-**	**-**	**-**
TRANSFER FROM OWN FUNDS					
- 2018 One-Time Program CFWDs - Prior Year Surplus	(70,717)	70,717	-	-	-
TRANSFER FROM OWN FUNDS	**(70,717)**	**70,717**	**-**	**-**	**-**
REVENUE ADJUSTMENTS	**(198,812)**	**70,717**	**-**	**-**	**-**
EXPENSE					
SALARY, WAGES & BENEFITS					
- Collective Bargaining and Contract Increases	181,143	241,479		-	-
- Collective Bargaining and Contract Increases (ACUCC)	54,541	-	-	-	
- Collective Bargaining and Contract Increases (Subsidiary)	62,194	1,244	1,269	1,294	-
- Employer Health Tax	179,426	3,589	3,660	3,734	3,808
- Employer Health Tax - ACUCC	53,320	1,066	1,088	1,109	1,132
- Employer Health Tax - Subsidiary	60,639	1,213	1,237	1,262	1,287
- Annualization adjustments	(35,807)	-	-	-	-
- Steps/Increments	(48,075)	-	-	-	-
- Steps/Increments - ACUCC	20,228	-	-	-	-
- ACUCC Salaries/Wages Increases and Annualizations	120,372	-	-	-	-
- AKC, ACA and Outdoor Pool, budget adjustment	(42,714)				
SALARY, WAGES & BENEFITS	**605,267**	**248,591**	**7,254**	**7,399**	**6,227**
SERVICE AND MAINTENANCE CONTRACTS					
- Sportplex Contract	15,009	15,384	15,768	16,163	16,567
- Electronic Schedules (Humanity)	15,000	-	-	-	-
- United Artists Fees	5,000	-	-	-	-
- Insurance, Langley Events Centre	6,108	6,230	6,355	6,482	6,612
- Subsidy for Youth Soccer - Stadium Use, remove	(33,333)	-	-	-	-
- ACUCC Contract	(50,266)	-	-	-	-
- 2018 One-Time Program CFWDs	50,000	(50,000)	-	-	-
SERVICE AND MAINTENANCE CONTRACTS	**7,518**	**(28,386)**	**22,123**	**22,645**	**23,179**
CONSULTING AND LEGAL SERVICES					
- 2018 One-Time Program CFWDs	20,717	(20,717)	-	-	-
CONSULTING AND LEGAL SERVICES	**20,717**	**(20,717)**	**-**	**-**	**-**
EQUIPMENT & VEHICLE RENTAL					
- ACUCC, Equipment and Vehcile Rental - Internal	(505)		-	-	-
- Equipment and Vehicle Rental - Internal	4,447	2,461	2,510	2,560	2,611
- Operating Impact of TOL Capital Projects	505	1,515	-	-	-
EQUIPMENT & VEHICLE RENTAL	**4,447**	**3,976**	**2,510**	**2,560**	**2,611**
COMMUNICATION AND TECHNOLOGY					
- Phone and communication equipment	5,000	-	-	-	-
- ACUCC Printing	(770)	-	-	-	-
- ACUCC Hardware	1,600	-	-	-	-
- ACUCC Phone and Internet	11,765	-	-	-	-
- AKC, ACA and Outdoor Pool, budget adjustment	(3,843)	-	-	-	-
COMMUNICATION AND TECHNOLOGY	**13,752**	**-**	**-**	**-**	**-**
INSURANCE					
- ACUCC Insurance	4,848	-	-	-	-
INSURANCE	**4,848**	**-**	**-**	**-**	**-**
MATERIALS & SUPPLIES					
- ACUCC Materials & Supplies	19,406	-	-	-	-
- AKC, ACA and Outdoor Pool, budget adjustment	(4,792)	-	-	-	-
MATERIALS & SUPPLIES	**14,614**	**-**	**-**	**-**	**-**
OTHER SUPPLIES AND EXPENSES					
- Benchmark overflow parking	4,800	-	-	-	-
- Mandatory staff training for multiple facilities	13,000	-	-	-	-
- ACUCC Bank Charges	7,550	-	-	-	-

Township of Langley
FIVE YEAR OPERATING PLAN
RECREATION - NON-DISCRETIONARY ADJUSTMENTS

	2019	2020	2021	2022	2023
- ACUCC Other Fees	(1,523)	-	-	-	-
- ACUCC Travel/Vehicle Allowance	940	-	-	-	-
- ACUCC Conferences	(625)	-	-	-	-
- ACUCC Memberships	(100)	-	-	-	-
- ACUCC Subscriptions	(234)	-	-	-	-
- ACUCC Training	3,600	-	-	-	-
- WCB Leisure, remove budget	(1,040)	-	-	-	-
- AKC, ACA and Outdoor Pool, budget adjustment	(4,562)				
OTHER SUPPLIES AND EXPENSES	**21,806**	**-**	**-**	**-**	**-**
FISCAL SERVICES	**-**	**-**	**246,309**	**251,234**	**256,259**
EXPENSE ADJUSTMENTS	**692,969**	**203,464**	**278,196**	**283,838**	**288,276**
NET NON-DISCRETIONARY ADJUSTMENTS	**494,157**	**274,181**	**278,196**	**283,838**	**288,276**

Township of Langley
FIVE YEAR OPERATING PLAN
RECREATION - DISCRETIONARY ADJUSTMENTS

	2019	2020	2021	2022	2023
REVENUE (Non-Tax)					
TRANSFER FROM OWN FUNDS					
- 2019 One-Time Program New Request - Prior Year Surplus	(459,201)	509,201	-	-	-
TRANSFER FROM OWN FUNDS	**(459,201)**	**509,201**	**-**	**-**	**-**
REVENUE ADJUSTMENTS	**(459,201)**	**509,201**	**-**	**-**	**-**
EXPENSE					
SALARY, WAGES & BENEFITS					
- Weight Room Staffing for Multiple Facilities	70,853		-	-	-
- Contract increase on Discretionary Salary & Wages	-	1,417	-	-	-
- Clerical Staff Support - Subsidiary Migration to CBS	45,000	-	-	-	-
- 2019 One-Time Program New Request	135,385	(135,385)	-	-	-
SALARY, WAGES & BENEFITS	**251,238**	**(133,968)**	**-**	**-**	**-**
SERVICE AND MAINTENANCE CONTRACTS					
- Security for multiple facilities	50,000	-	-	-	-
- 2019 One-Time Program New Request	450,000	450,000	-	-	-
SERVICE AND MAINTENANCE CONTRACTS	**500,000**	**450,000**	**-**	**-**	**-**
INTERNAL CHARGES & RECOVERIES					
- 2019 One-Time Program New Request	(126,184)	126,184	-	-	-
INTERNAL CHARGES & RECOVERIES	**(126,184)**	**126,184**	**-**	**-**	**-**
FISCAL SERVICES	**-**	**-**	**1,445**	**1,474**	**1,504**
EXPENSE ADJUSTMENTS	**625,054**	**442,216**	**1,445**	**1,474**	**1,504**
NET DISCRETIONARY ADJUSTMENTS	**165,853**	**951,417**	**1,445**	**1,474**	**1,504**

TOWNSHIP OF LANGLEY
Arts Culture and Community Initiatives
2019-2023 OPERATING BUDGET

	2018 BUDGET (Base)	2019 Change	2019 BUDGET	2020 Change	2020 BUDGET	2021 Change	2021 BUDGET	2022 Change	2022 BUDGET	2023 Change	2023 BUDGET
TAX REVENUE											
Property Tax Base			(2,154,310)		(2,298,282)		(2,350,974)		(2,374,549)		(2,398,595)
Property Tax from New Growth		(32,315)	(32,315)	(45,966)	(45,966)	(47,019)	(47,019)	(47,491)	(47,491)	(47,972)	(47,972)
Property Tax Change		(111,658)	(111,658)	(6,726)	(6,726)	23,444	23,444	23,445	23,445	23,445	23,445
	(2,154,310)	**(143,972)**	(2,298,282)	**(52,691)**	(2,350,974)	**(23,575)**	(2,374,549)	**(24,046)**	(2,398,595)	**(24,527)**	(2,423,122)
NON-TAX REVENUE											
Special Levies/Grants-In-Lieu	(4,215,082)	(140,785)	(4,355,867)	-	(4,355,867)	-	(4,355,867)	-	(4,355,867)	-	(4,355,867)
Government Grants	(50,016)	-	(50,016)	-	(50,016)	-	(50,016)	-	(50,016)	-	(50,016)
Sales of Services	(103,082)	-	(103,082)	-	(103,082)	-	(103,082)	-	(103,082)	-	(103,082)
Other Revenue	(20,467)	-	(20,467)	-	(20,467)	-	(20,467)	-	(20,467)	-	(20,467)
Transfer from Own Funds	(167,904)	103,203	(64,701)	59,083	(5,618)	-	(5,618)	-	(5,618)	-	(5,618)
TOTAL REVENUE	**(6,710,861)**	**(181,554)**	**(6,892,415)**	**6,392**	**(6,886,024)**	**(23,575)**	**(6,909,599)**	**(24,046)**	**(6,933,645)**	**(24,527)**	**(6,958,172)**
EXPENSE											
Salaries, Wages & Benefits	1,111,772	65,972	1,177,744	23,555	1,201,300	-	1,201,300	-	1,201,300	-	1,201,300
Service and Maintenance Contracts	13,781	-	13,781	-	13,781	-	13,781	-	13,781	-	13,781
Consulting and Professional Services	262,379	(162,286)	100,093	-	100,093	-	100,093	-	100,093	-	100,093
Regional Charges/Recoveries	4,215,082	140,785	4,355,867	-	4,355,867	-	4,355,867	-	4,355,867	-	4,355,867
Communication and Technology	22,235	-	22,235	-	22,235	-	22,235	-	22,235	-	22,235
Insurance	14,985	-	14,985	-	14,985	-	14,985	-	14,985	-	14,985
Materials and Supplies	86,554	59,083	145,637	(59,083)	86,554	-	86,554	-	86,554	-	86,554
Municipal Grants	486,025	33,000	519,025	-	519,025	-	519,025	-	519,025	-	519,025
Internal Charges & Recoveries	162,796	-	162,796	-	162,796	-	162,796	-	162,796	-	162,796
Transfer to Own Funds	11,089	-	11,089	-	11,089	-	11,089	-	11,089	-	11,089
Other Supplies and Expense	324,163	45,000	369,163	29,136	398,299	23,575	421,874	24,046	445,920	24,527	470,447
TOTAL EXPENSE	**6,710,861**	**181,554**	**6,892,415**	**(6,392)**	**6,886,024**	**23,575**	**6,909,599**	**24,046**	**6,933,645**	**24,527**	**6,958,172**
SHORTFALL/(SURPLUS)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Township of Langley
FIVE YEAR OPERATING PLAN
Art Culture and Community Initiatives - NON-DISCRETIONARY ADJUSTMENTS

	2019	2020	2021	2022	2023
REVENUE (Non-Tax)					
SPECIAL LEVIES/GRANTS-IN-LIEU					
- Fraser Valley Regional Library	(140,785)	-	-	-	-
SPECIAL LEVIES/GRANTS-IN-LIEU	**(140,785)**	**-**	**-**	**-**	**-**
TRANSFER FROM OWN FUNDS					
- Special Events Consulting, remove budget	162,286	-	-	-	-
- 2018 One-Time Program CFWDs - Prior Year Surplus	(59,083)	59,083	-	-	-
TRANSFER FROM OWN FUNDS	**103,203**	**59,083**	**-**	**-**	**-**
REVENUE ADJUSTMENTS	**(37,582)**	**59,083**	**-**	**-**	**-**
EXPENSE					
SALARY, WAGES & BENEFITS					
- Collective Bargaining and Contract Increases	22,659	23,113	-	-	-
- Employer Health Tax	22,113	442	-	-	-
- Steps/Reclasses	21,200	-	-	-	-
SALARY, WAGES & BENEFITS	**65,972**	**23,555**	**-**	**-**	**-**
CONSULTING AND LEGAL SERVICES					
- Special Events Consulting, remove budget	(162,286)		-	-	-
CONSULTING AND LEGAL SERVICES	**(162,286)**	**-**	**-**	**-**	**-**
REGIONAL COLLECTIONS/CHARGES					
- Fraser Valley Regional Library	140,785	-	-	-	-
REGIONAL COLLECTIONS/CHARGES	**140,785**	**-**	**-**	**-**	**-**
MATERIALS & SUPPLIES					
- 2018 One-Time Program CFWDs	59,083	(59,083)	-	-	-
MATERIALS & SUPPLIES	**59,083**	**(59,083)**	**-**	**-**	**-**
MUNICIPAL GRANTS					
- Langley Care Foundation	33,000	-	-	-	-
MUNICIPAL GRANTS	**33,000**	**-**	**-**	**-**	**-**
OTHER SUPPLIES AND EXPENSES					
- Artists/Professional Fees, establish budget	-	25,000	-	-	-
- Murrayville Library Lease, establish budget		4,136	-	-	-
OTHER SUPPLIES AND EXPENSES	**-**	**29,136**	**-**	**-**	**-**
FISCAL SERVICES	**45,000**	**-**	**23,575**	**24,046**	**24,527**
EXPENSE ADJUSTMENTS	**181,554**	**(6,392)**	**23,575**	**24,046**	**24,527**
NET NON-DISCRETIONARY ADJUSTMENTS	**143,972**	**52,691**	**23,575**	**24,046**	**24,527**

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TOWNSHIP OF LANGLEY
FACILITY MAINTENANCE
2019-2023 OPERATING BUDGET

	2018 BUDGET (Base)	2019 Change	2019 BUDGET	2020 Change	2020 BUDGET	2021 Change	2021 BUDGET	2022 Change	2022 BUDGET	2023 Change	2023 BUDGET
TAX REVENUE											
Property Tax Base			(11,169,636)		(13,424,723)		(14,059,443)		(14,712,339)		(15,368,462)
Property Tax from New Growth		(167,545)	(167,545)	(268,494)	(268,494)	(281,189)	(281,189)	(294,247)	(294,247)	(307,369)	(307,369)
Property Tax Change		(2,087,542)	(2,087,542)	(366,226)	(366,226)	(371,707)	(371,707)	(361,877)	(361,877)	(464,155)	(464,155)
	(11,169,636)	**(2,255,087)**	(13,424,723)	**(634,720)**	(14,059,443)	**(652,896)**	(14,712,339)	**(656,123)**	(15,368,462)	**(771,524)**	(16,139,986)
NON-TAX REVENUE											
Service Cost Sharing	(136,694)	(49,642)	(186,336)	43,750	(142,586)	-	(142,586)	-	(142,586)	-	(142,586)
Other Revenue	(412,660)	(50,000)	(462,660)	-	(462,660)	-	(462,660)	-	(462,660)	37,500	(425,160)
Transfer from Own Funds	(527,512)	(700,018)	(1,227,530)	404,268	(823,262)	-	(823,262)	-	(823,262)	-	(823,262)
TOTAL REVENUE	**(12,246,502)**	**(3,054,747)**	**(15,301,249)**	**(186,702)**	**(15,487,951)**	**(652,896)**	**(16,140,847)**	**(656,123)**	**(16,796,970)**	**(734,024)**	**(17,530,994)**
EXPENSE											
Salaries, Wages & Benefits	3,987,271	645,187	4,632,458	(4,958)	4,627,500	1,407	4,628,907	1,435	4,630,342	1,464	4,631,806
Service and Maintenance Contracts	2,813,153	1,477,205	4,290,358	(630,000)	3,660,358	25,000	3,685,358	25,000	3,710,358	-	3,710,358
Consulting and Professional Services	-	9,268	9,268	(9,268)	-	-	-	-	-	-	-
Fuel	6,400	400	6,800	-	6,800	-	6,800	-	6,800	-	6,800
Equipment and Vehicle Rental	226,891	4,823	231,714	4,633	236,347	4,727	241,074	4,819	245,893	4,918	250,811
Communication and Technology	4,340	500	4,840	-	4,840	-	4,840	-	4,840	-	4,840
Materials and Supplies	813,419	73,863	887,282	-	887,282	-	887,282	-	887,282	-	887,282
Utility User Fees	2,577,049	156,168	2,733,217	52,985	2,786,202	54,212	2,840,414	55,468	2,895,882	193,853	3,089,735
Debt Principal and Interest	209,430	50,000	259,430	298,310	557,740	-	557,740	-	557,740	(37,500)	520,240
Internal Charges & Recoveries	(2,760)	(110)	(2,870)	-	(2,870)	-	(2,870)	-	(2,870)	-	(2,870)
Transfer to Own Funds	75,000	195,218	270,218	25,000	295,218	25,000	320,218	25,000	345,218	25,000	370,218
Contribution to Capital	1,244,600	450,000	1,694,600	450,000	2,144,600	450,000	2,594,600	450,000	3,044,600	450,000	3,494,600
Other Supplies and Expense	291,709	(7,775)	283,934	-	283,934	92,550	376,484	94,401	470,885	96,289	567,174
TOTAL EXPENSE	**12,246,502**	**3,054,747**	**15,301,249**	**186,702**	**15,487,951**	**652,896**	**16,140,847**	**656,123**	**16,796,970**	**734,024**	**17,530,994**
SHORTFALL/(SURPLUS)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Township of Langley
FIVE YEAR OPERATING PLAN
FACILITY MAINTENANCE - NON-DISCRETIONARY ADJUSTMENTS

	2019	2020	2021	2022	2023
REVENUE (Non-Tax)					
SERVICE COST SHARING					
- 2018 One-Time Program CFWD	(25,000)	25,000	-	-	-
- RCMP Cost Sharing Main Detachment building costs	(5,892)	-	-	-	-
SERVICE COST SHARING	**(30,892)**	**25,000**	**-**	**-**	**-**
OTHER REVENUE					
- ACUCC Naming Rights	(50,000)	-	-	-	37,500
OTHER REVENUE	**(50,000)**	**-**	**-**	**-**	**37,500**
TRANSFER FROM OWN FUNDS					
- 2018 One-Time Program CFWD - Prior Year Surplus	(404,268)	404,268	-	-	-
TRANSFER FROM OWN FUNDS	**(404,268)**	**404,268**	**-**	**-**	**-**
REVENUE ADJUSTMENTS	**(485,160)**	**429,268**	**-**	**-**	**37,500**
EXPENSE					
SALARY, WAGES & BENEFITS					
- Collective Bargaining and Contract Increases	57,243	73,623	-	-	-
- Collective Bargaining and Contract Increases - ACUCC	18,876	-	-	-	-
- Employer Health Tax	54,175	1,379	1,407	1,435	1,464
- Employer Health Tax - ACUCC	14,800	-	-	-	-
- Steps/Increments	5,759	-	-	-	-
- Steps/Increments - ACUCC	(21,626)	-	-	-	-
- ACUCC Wages, Annualize	205,067	-	-	-	-
- Convert Pool Service Worker to Facility Service Worker	14,630	293	-	-	-
- Increased Building Service Coverage at George Preston	95,950	1,919	-	-	-
- CPO Community Assessment, Interim Tsf to Reserve	(586)	-	-	-	-
- 2018 One-Time Program CFWD	80,000	(80,000)	-	-	-
SALARY, WAGES & BENEFITS	**524,288**	**(2,786)**	**1,407**	**1,435**	**1,464**
SERVICE AND MAINTENANCE CONTRACTS					
- Grounds/Passive Area Maintenance	355,700	55,000	-	-	-
- Facility Condition Assessment Program	35,000	25,000	25,000	25,000	-
- Duct Cleaning Program		(60,000)	-	-	-
- HVAC / Mechanical Contract Increases	90,000	-	-	-	-
- Civic Facility 3rd Floor Janitorial	10,000	-	-	-	-
- LEC Elevator Contract Increases	5,000	-	-	-	-
- Technical Safety BC Permit Cost Increases	20,000	-	-	-	-
- Refridgeration Repair Costs	20,000	-	-	-	-
- LEC Gym Floor Annual refinishing	50,000	-	-	-	-
- Pool operating Equipment repairs	70,000	-	-	-	-
- AKC Janitorial	15,000	-	-	-	-
- Worksafe BC Fall arrest Inspection Program	6,000	-	-	-	-
- Legionella Testing at Various Facilities	10,000	-	-	-	-
- Waste Management Contract Increases	20,156	-	-	-	-
- Live Burn Building Repairs: Fire Training Ground (Contingent)	30,000	-	-	-	-
- LEC Planted Area Maintenance	20,000	-	-	-	-
- ACUCC Increased Maintenance Costs	123,000	-	-	-	-
- WGC / WCB Monthly Testing Chlorine Gas System	4,200	-	-	-	-
- CPO Community Assessment, Interim Tsf to Reserve	(8,961)	-	-	-	-
- ACUCC Contract Services, Annualize	32,438	-	-	-	-
- AKC, ACA and outdoor Pool budget adjustment	(40,328)	-	-	-	-
- Plumbing Contract Services	(40,000)	-	-	-	-
- 2018 One-Time Program CFWD	340,000	(340,000)	-	-	-
SERVICE AND MAINTENANCE CONTRACTS	**1,167,205**	**(320,000)**	**25,000**	**25,000**	**-**
CONSULTING AND LEGAL SERVICES					
- 2018 One-Time Program CFWD	9,268	(9,268)	-	-	-
CONSULTING AND LEGAL SERVICES	**9,268**	**(9,268)**	**-**	**-**	**-**
FUEL					
- ACUCC Propane, Annualize	400	-	-	-	-
FUEL	**400**	**-**	**-**	**-**	**-**
EQUIPMENT & VEHICLE RENTAL					
- CPO Community Assessment, Interim Tsf to Reserve	(64)	-	-	-	-
- Equipment and Vehicle Rental - Internal (Monthly)	2,984	2,137	2,178	2,222	2,267
- Equipment and Vehicle Rental - Internal (Hourly)	4,517	2,496	2,549	2,597	2,651
- ACUCC Equipment and Vehicle Rental - Internal	877	-	-	-	-
- ACUCC Vehicles & Equipment, Annualize	6,614	-	-	-	-
- AKC, ACA and Outdoor Pool, budget adjustment	(10,105)	-	-	-	-
EQUIPMENT & VEHICLE RENTAL	**4,823**	**4,633**	**4,727**	**4,819**	**4,918**
MATERIALS & SUPPLIES					

Township of Langley
FIVE YEAR OPERATING PLAN
FACILITY MAINTENANCE - NON-DISCRETIONARY ADJUSTMENTS

	2019	2020	2021	2022	2023
- ACUCC Pool Chemical Requirements	116,000	-	-	-	-
- CPO Community Assessment, Interim Tsf to Reserve	(196)	-	-	-	-
- ACUCC Materials & Supplies, Annualize	12,898	-	-	-	-
- AKC, ACA and Outdoor Pool, budget adjustment	(54,839)	-	-	-	-
MATERIALS & SUPPLIES	**73,863**	**-**	**-**	**-**	**-**
UTILITY USER FEES					
- Electricty	34,542	38,833	39,708	40,603	41,515
- Natural Gas	13,282	14,152	14,504	14,865	152,338
- ACUCC Electricity	3,438	-	-	-	-
- ACUCC Natural Gas	2,735	-	-	-	-
- ACUCC Electricity, Annualize	26,244	-	-	-	-
- ACUCC Natural Gas, Annualize	10,978	-	-	-	-
- ACUCC Water & Sewer, Annualize	9,042	-	-	-	-
- Operations Phone, establish budget for	35,000	-	-	-	-
- ACUCC Increased Utility Costs	200,000	-	-	-	-
- Energy Savings to Climate Action Fund	(147,653)	-	-	-	-
- CPO Community Assessment, Interim Tsf to Reserve	(6,483)	-	-	-	-
- AKC, ACA and Outdoor Pool, budget adjustment	(24,957)	-	-	-	-
UTILITY USER FEES	**156,168**	**52,985**	**54,212**	**55,468**	**193,853**
DEBT PRINCIPAL AND INTEREST					
- Railways & Facilities Principal & Interest	-	298,310	-	-	-
- ACUCC Other Construction	50,000				(37,500)
DEBT PRINCIPAL AND INTEREST	**50,000**	**298,310**	**-**	**-**	**(37,500)**
INTERNAL CHARGES & RECOVERIES					
- AKC, ACA and Outdoor Pool, budget adjustment	(110)	-	-	-	-
INTERNAL CHARGES & RECOVERIES	**(110)**	**-**	**-**	**-**	**-**
TRANSFER TO RESERVES					
- Transfer to Building Reserve	25,000	25,000	25,000	25,000	25,000
- Energy Savings to Climate Action Fund	153,928	-	-	-	-
- CPO Community Assessment, Interim Tsf to Reserve	16,290	-	-	-	-
TRANSFER TO RESERVES	**195,218**	**25,000**	**25,000**	**25,000**	**25,000**
OTHER SUPPLIES AND EXPENSES					
- Contingency to fund CARF transfer	(6,275)	-	-	-	-
- AKC, ACA and Outdoor Pool, budget adjustment	(1,500)	-	-	-	-
OTHER SUPPLIES AND EXPENSES	**(7,775)**	**-**	**-**	**-**	**-**
FISCAL SERVICES	**-**	**-**	**90,175**	**91,979**	**93,819**
EXPENSE ADJUSTMENTS	**2,173,348**	**48,874**	**200,521**	**203,701**	**281,554**
NET NON-DISCRETIONARY ADJUSTMENTS	**1,688,188**	**478,142**	**200,521**	**203,701**	**319,054**

Township of Langley
FIVE YEAR OPERATING PLAN
FACILITY MAINTENANCE - DISCRETIONARY ADJUSTMENTS

	2019	2020	2021	2022	2023
REVENUE (Non-Tax)					
SERVICE COST SHARING					
- 2019 One-Time Program RCMP Cost Sharing	(18,750)	18,750	-	-	-
SERVICE COST SHARING	**(18,750)**	**18,750**	**-**	**-**	**-**
TRANSFER FROM OWN FUNDS					
- 2019 One-Time Program New Requests - Prior Year Surplus	(295,750)	-	-	-	-
TRANSFER FROM OWN FUNDS	**(295,750)**	**-**	**-**	**-**	**-**
REVENUE ADJUSTMENTS	**(314,500)**	**18,750**	**-**	**-**	**-**
EXPENSE					
SALARY, WAGES & BENEFITS					
- Plumbing Technician & Auxillary backfill	116,399	2,328	-	-	-
- 2019 One-Time Program New Requests	4,500	(4,500)	-	-	-
SALARY, WAGES & BENEFITS	**120,899**	**(2,172)**	**-**	**-**	**-**
SERVICE AND MAINTENANCE CONTRACTS					
- 2019 One-Time Program New Requests	310,000	(310,000)	-	-	-
SERVICE AND MAINTENANCE CONTRACTS	**310,000**	**(310,000)**	**-**	**-**	**-**
COMMUNICATION AND TECHNOLOGY					
- Facility Service Worker Cell Phone	500	-	-	-	-
COMMUNICATION AND TECHNOLOGY	**500**	**-**	**-**	**-**	**-**
CONTRIBUTION TO CAPITAL					
- Increased Contribution to Capital	450,000	450,000	450,000	450,000	450,000
CONTRIBUTION TO CAPITAL	**450,000**	**450,000**	**450,000**	**450,000**	**450,000**
FISCAL SERVICES	**-**	**-**	**2,375**	**2,422**	**2,470**
EXPENSE ADJUSTMENTS	**881,399**	**137,828**	**452,375**	**452,422**	**452,470**
NET DISCRETIONARY ADJUSTMENTS	**566,899**	**156,578**	**452,375**	**452,422**	**452,470**

TOWNSHIP OF LANGLEY
CORPORATE ADMINISTRATION
2019-2023 OPERATING BUDGET

	2018 BUDGET (Base)	2019 Change	2019 BUDGET	2020 Change	2020 BUDGET	2021 Change	2021 BUDGET	2022 Change	2022 BUDGET	2023 Change	2023 BUDGET
TAX REVENUE											
Property Tax Base		-	(12,755,232)	-	(14,204,323)	-	(14,634,656)	-	(14,976,343)	-	(15,258,576)
Property Tax from New Growth		(191,328)	(191,328)	(284,086)	(284,086)	(292,693)	(292,693)	(299,527)	(299,527)	(305,172)	(305,172)
Property Tax Change		(1,257,762)	(1,257,762)	(146,247)	(146,247)	(48,994)	(48,994)	17,294	17,294	18,107	18,107
	(12,755,232)	**(1,449,091)**	(14,204,323)	**(430,333)**	(14,634,656)	**(341,687)**	(14,976,343)	**(282,233)**	(15,258,576)	**(287,065)**	(15,545,641)
NON-TAX REVENUE											
Government Grants	(205,000)	-	(205,000)	-	(205,000)	-	(205,000)	-	(205,000)	-	(205,000)
Service Cost Recoveries	(4,000)	-	(4,000)	-	(4,000)	-	(4,000)	-	(4,000)	-	(4,000)
Sales of Services	(844,625)	(78,900)	(923,525)	-	(923,525)	-	(923,525)	-	(923,525)	-	(923,525)
Rentals and Leases	(1,266,200)	(339,200)	(1,605,400)	(205,400)	(1,810,800)	(136,900)	(1,947,700)	(68,900)	(2,016,600)	-	(2,016,600)
Permit and License Fees	(3,200)	(89,996)	(93,196)	-	(93,196)	64,996	(28,200)	-	(28,200)	-	(28,200)
Other Revenue	(1,136,238)	(10,000)	(1,146,238)	-	(1,146,238)	-	(1,146,238)	-	(1,146,238)	-	(1,146,238)
Transfer from Own Funds	(215,730)	(832,106)	(1,047,836)	820,561	(227,275)	(11,575)	(238,850)	(231,325)	(470,175)	(11,806)	(481,981)
TOTAL REVENUE	**(16,430,225)**	**(2,799,293)**	**(19,229,518)**	**184,828**	**(19,044,690)**	**(425,166)**	**(19,469,856)**	**(582,458)**	**(20,052,314)**	**(298,871)**	**(20,351,185)**
EXPENSE											
Salaries, Wages & Benefits	9,012,146	1,296,937	10,309,083	78,300	10,387,383	-	10,387,383	-	10,387,383	-	10,387,383
Service and Maintenance Contracts	1,147,715	336,858	1,484,573	(165,363)	1,319,210	6,110	1,325,320	6,962	1,332,282	6,962	1,339,244
Consulting and Professional Services	861,499	193,000	1,054,499	(133,000)	921,499	-	921,499	293,500	1,214,999	-	1,214,999
Fuel	612,000	6,200	618,200	-	618,200	-	618,200	-	618,200	-	618,200
Equipment and Vehicle Rental	44,781	35,261	80,042	(7,670)	72,372	948	73,320	959	74,279	978	75,257
Communication and Technology	2,331,517	310,179	2,641,696	(110,972)	2,530,724	7,800	2,538,524	8,200	2,546,724	8,200	2,554,924
Insurance	20,000	4,000	24,000	-	24,000	-	24,000	-	24,000	-	24,000
Materials and Supplies	333,221	139,692	472,913	(125,312)	347,601	-	347,601	-	347,601	-	347,601
Utility User Fees	23,033	544	23,577	539	24,116	553	24,669	558	25,227	570	25,797
Municipal Grants	205,000	-	205,000	-	205,000	-	205,000	-	205,000	-	205,000
Internal Charges & Recoveries	-	500	500	-	500	-	500	-	500	-	500
Transfer to Own Funds	(56,417)	450,672	394,255	278,650	672,905	210,150	883,055	68,900	951,955	74,715	1,026,670
Contribution to Capital	818,000	-	818,000	-	818,000	-	818,000	-	818,000	-	818,000
Other Supplies and Expense	1,077,730	25,450	1,103,180	-	1,103,180	199,605	1,302,785	203,379	1,506,164	207,446	1,713,610
TOTAL EXPENSE	**16,430,225**	**2,799,293**	**19,229,518**	**(184,828)**	**19,044,690**	**425,166**	**19,469,856**	**582,458**	**20,052,314**	**298,871**	**20,351,185**
SHORTFALL/(SURPLUS)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

TOWNSHIP OF LANGLEY
CORPORATE ADMINISTRATION (Excluding Airport)
2019-2023 OPERATING BUDGET

	2018 BUDGET (Base)	2019 Change	2019 BUDGET	2020 Change	2020 BUDGET	2021 Change	2021 BUDGET	2022 Change	2022 BUDGET	2023 Change	2023 BUDGET
TAX REVENUE											
Property Tax Base			(12,755,232)		(14,204,323)		(14,634,657)		(14,976,344)		(15,258,577)
Property Tax from New Growth		(191,328)	(191,328)	(284,086)	(284,086)	(292,693)	(292,693)	(299,527)	(299,527)	(305,172)	(305,172)
Property Tax Change		(1,257,763)	(1,257,763)	(146,247)	(146,247)	(48,994)	(48,994)	17,294	17,294	18,107	18,107
	(12,755,232)	**(1,449,091)**	(14,204,323)	**(430,333)**	(14,634,657)	**(341,687)**	(14,976,344)	**(282,233)**	(15,258,577)	**(287,065)**	(15,545,642)
NON-TAX REVENUE											
Government Grants	(205,000)	-	(205,000)	-	(205,000)	-	(205,000)	-	(205,000)	-	(205,000)
Service Cost Recoveries	(4,000)	-	(4,000)	-	(4,000)	-	(4,000)	-	(4,000)	-	(4,000)
Sales of Services	(8,125)	-	(8,125)	-	(8,125)	-	(8,125)	-	(8,125)	-	(8,125)
Rentals and Leases	(722,700)	(311,700)	(1,034,400)	(205,400)	(1,239,800)	(136,900)	(1,376,700)	(68,900)	(1,445,600)	-	(1,445,600)
Permit and License Fees	(3,200)	(89,996)	(93,196)	-	(93,196)	64,996	(28,200)	-	(28,200)	-	(28,200)
Other Revenue	(1,030,459)	2,758	(1,027,701)	-	(1,027,701)	-	(1,027,701)	-	(1,027,701)	-	(1,027,701)
Transfer from Own Funds	(161,000)	(832,106)	(993,106)	832,106	(161,000)	-	(161,000)	(219,750)	(380,750)	-	(380,750)
TOTAL REVENUE	**(14,889,716)**	**(2,680,135)**	**(17,569,851)**	**196,373**	**(17,373,479)**	**(413,591)**	**(17,787,070)**	**(570,883)**	**(18,357,953)**	**(287,065)**	**(18,645,018)**
EXPENSE											
Salaries, Wages & Benefits	8,498,820	1,266,463	9,765,283	67,424	9,832,708	-	9,832,708	-	9,832,708	-	9,832,708
Service and Maintenance Contracts	921,714	336,859	1,258,573	(165,363)	1,093,210	6,110	1,099,320	6,962	1,106,282	6,962	1,113,244
Consulting and Professional Services	861,499	193,000	1,054,499	(133,000)	921,499	-	921,499	293,500	1,214,999	-	1,214,999
Equipment and Vehicle Rental	26,988	24,594	51,582	(8,040)	43,542	571	44,113	582	44,695	594	45,289
Communication and Technology	2,323,017	310,679	2,633,696	(110,972)	2,522,724	7,800	2,530,524	8,200	2,538,724	8,200	2,546,924
Materials and Supplies	306,121	139,592	445,713	(125,312)	320,401	-	320,401	-	320,401	-	320,401
Utility User Fees	10,077	248	10,325	240	10,565	246	10,811	251	11,062	257	11,319
Municipal Grants	205,000	-	205,000	-	205,000	-	205,000	-	205,000	-	205,000
Transfer to Own Funds	(48,750)	382,150	333,400	278,650	612,050	210,150	822,200	68,900	891,100	74,715	965,815
Contribution to Capital	748,000	-	748,000	-	748,000	-	748,000	-	748,000	-	748,000
Other Supplies and Expense	1,037,230	26,550	1,063,780	-	1,063,780	188,714	1,252,494	192,488	1,444,982	196,337	1,641,319
TOTAL EXPENSE	**14,889,716**	**2,680,135**	**17,569,851**	**(196,373)**	**17,373,479**	**413,591**	**17,787,070**	**570,883**	**18,357,953**	**287,065**	**18,645,018**
SHORTFALL/(SURPLUS)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Township of Langley
FIVE YEAR OPERATING PLAN
CORPORATE ADMINISTRATION (without Airport) - NON-DISCRETIONARY ADJUSTMENTS

	2019	2020	2021	2022	2023
REVENUE (Non-Tax)					
RENTALS & LEASES					
- Lease and Rental Revenue General Increase	(37,800)	-	-	-	-
- Aldergrove Strip Mall Lease Revenue	(273,900)	(205,400)	(136,900)	(68,900)	-
RENTALS & LEASES	**(311,700)**	**(205,400)**	**(136,900)**	**(68,900)**	**-**
PERMIT & LICENSE FEES					
- Film Clerk	(64,996)	-	64,996	-	-
- Film Application Fees (to Film Reserve)	(25,000)				
PERMIT & LICENSE FEES	**(89,996)**	**-**	**64,996**	**-**	**-**
OTHER REVENUE					
- Film Donations (to Film Reserve)	(10,000)				
- Contribution to Airport	12,758	-	-	-	-
OTHER REVENUE	**2,758**	**-**	**-**	**-**	**-**
TRANSFER FROM OWN FUNDS					
- Election 2022 from Reserves	-	-	-	(219,750)	-
- 2018 One-Time Program CFWDs - Prior Year Surplus	(540,106)	540,106	-	-	-
TRANSFER FROM OWN FUNDS	**(540,106)**	**540,106**	**-**	**(219,750)**	**-**
REVENUE ADJUSTMENTS	**(939,044)**	**334,706**	**(71,904)**	**(288,650)**	**-**
EXPENSE					
SALARY, WAGES & BENEFITS					
- Collective Bargaining and Contract Increases	171,042	174,492	-	-	-
- Employer Health Tax	170,563	3,411			
- Steps/Increments	54,729	-	-	-	-
- Volunteer appreciation event budget	570	-	-	-	-
- Canada Day event in Willoughby Establish base budget	3,175	-	-	-	-
- Film Clerk	64,996	-	(64,996)	-	-
- 2018 One-Time Program CFWDs	154,322	(154,322)	-	-	-
SALARY, WAGES & BENEFITS	**619,397**	**177,903**	**-**	**-**	**-**
SERVICE AND MAINTENANCE CONTRACTS					
- Youth Family Services Contract	7,683	6,037	6,110	6,962	6,962
- Volunteer appreciation event budget	276	-	-	-	-
- Property Appraisal Services Contract	40,000				
- Demolition Cost Contract	100,000				
- Canada Day Event in Willoughby, establish budget	11,000	-	-	-	-
- Shredding and Storage Costs	6,500				
- 2018 One-Time Program CFWDs	81,400	(81,400)	-	-	-
SERVICE AND MAINTENANCE CONTRACTS	**246,859**	**(75,363)**	**6,110**	**6,962**	**6,962**
CONSULTING AND LEGAL SERVICES					
- Election 2022 from Reserves	-	-	-	293,500	-
- Council Priority Setting Sessions	15,000	-	-	-	-
- Corporate Legal Fees	45,000	-	-	-	-
- 2018 One-Time Program CFWDs	133,000	(133,000)	-	-	-
CONSULTING AND LEGAL SERVICES	**193,000**	**(133,000)**	**-**	**293,500**	**-**
EQUIPMENT & VEHICLE RENTAL					
- Equipment and Vehicle Rental - Internal	1,012	560	571	582	594
- Additional Vehicle Budget for Municipal Administration	5,382	-	-	-	-
- Canada Day Event in Willoughby, establish budget	5,800	-	-	-	-
- Reallocate from materials budget for vehicle (municipal admin)	3,800	-	-	-	-
- 2018 One-Time Program CFWDs	8,600	(8,600)	-	-	-
EQUIPMENT & VEHICLE RENTAL	**24,594**	**(8,040)**	**571**	**582**	**594**
COMMUNICATION AND TECHNOLOGY					
- Cisco and Mitel, Maintenance Contract	7,720	-	-	-	-
- Ameresco Asset Planner Energy/Sustainability	47,080	-	-	-	-
- Adoxio Support for Microsoft CRM ADX Portals	20,000	-	-	-	-
- Kitcast Digital Signage System	2,250	-	-	-	-
- TerraNova Security Awareness Learning System	18,057	-	-	-	-
- Bids & Tenders Online Bidding System	17,171	-	-	-	-
- Marval IT Service Management System	14,291	-	-	-	-
- Tenable IO Vulnerability Scanning	5,520	-	-	-	-
- Argus.Net Museum Collection System	8,337	-	-	-	-
- PerfectMind (annual increase over 2017 Class)	22,037	-	-	-	-
- Adobe Creative Cloud/Acrobat Professional	9,295	-	-	-	-
- VMWare AirWatch Mobile Device Subscriptions	11,849	-	-	-	-
- Telecommunications Requirements	4,800	7,500	7,800	8,200	8,200
- Mobility Tools	3,800	-	-	-	-
- 2018 One-Time Program CFWDs	68,472	(68,472)	-	-	-
COMMUNICATION AND TECHNOLOGY	**260,679**	**(60,972)**	**7,800**	**8,200**	**8,200**

Township of Langley
FIVE YEAR OPERATING PLAN
CORPORATE ADMINISTRATION (without Airport) - NON-DISCRETIONARY ADJUSTMENTS

	2019	2020	2021	2022	2023
MATERIALS & SUPPLIES					
- Volunteer Appreciation Event, establish budget	1,100	-	-	-	-
- Rental Properties, supplies	2,500	-	-	-	-
- Material Costs for Corporate Events	2,700	-	-	-	-
- Canada Day Event in Willoughby, establish budget	1,250	-	-	-	-
- Paper Supply	5,216	-	-	-	-
- Postage / Courier	5,314	-	-	-	-
- Reallocate from materials budget for vehicle (municipal admin)	(3,800)	-	-	-	-
- 2018 One-Time Program CFWDs	94,312	(94,312)	-	-	-
MATERIALS & SUPPLIES	**108,592**	**(94,312)**	**-**	**-**	**-**
UTILITY USER FEES					
- Electricity	161	164	168	172	176
- Natural Gas	87	76	78	79	81
UTILITY USER FEES	**248**	**240**	**246**	**251**	**257**
TRANSFER TO RESERVES					
- Film Reserve, Application Fees and Donations	35,000				
- Aldergrove Strip Mall Lease Revenue	273,900	205,400	136,900	68,900	-
- Election 2022	73,250	73,250	73,250	-	74,715
TRANSFER TO RESERVES	**382,150**	**278,650**	**210,150**	**68,900**	**74,715**
OTHER SUPPLIES AND EXPENSES					
- Council Conferences	3,500	-	-	-	-
- Volunteer appreciation event budget	11,850	-	-	-	-
- Canada Day Event in Willoughby, establish budget	1,400	-	-	-	-
- MISA and Norex Membership Costs	2,300	-	-	-	-
OTHER SUPPLIES AND EXPENSES	**19,050**	**-**	**-**	**-**	**-**
FISCAL SERVICES	**-**	**-**	**177,982**	**181,541**	**185,172**
EXPENSE ADJUSTMENTS	**1,854,569**	**85,106**	**402,859**	**559,936**	**275,900**
NET NON-DISCRETIONARY ADJUSTMENTS	**915,525**	**419,812**	**330,955**	**271,286**	**275,900**

Township of Langley
FIVE YEAR OPERATING PLAN
CORPORATE ADMINISTRATION (without Airport) - DISCRETIONARY ADJUSTMENTS

	2019	2020	2021	2022	2023
REVENUE (Non-Tax)					
TRANSFER FROM OWN FUNDS					
- 2019 One-Time Program New Requests - Prior Year Surplus	(292,000)	292,000	-	-	-
TRANSFER FROM OWN FUNDS	**(292,000)**	**292,000**	**-**	**-**	**-**
REVENUE ADJUSTMENTS	**(292,000)**	**292,000**	**-**	**-**	**-**
EXPENSE					
SALARY, WAGES & BENEFITS					
- GIS Analyst	95,566	1,911	-	-	-
- Senior Business Application Analysts (2)	207,607	4,152	-	-	-
- Senior Network Infrastructure Analyst	103,804	2,076	-	-	-
- Senior Property Negotiator	119,089	2,382	-	-	-
- 2019 One-Time Program New Requests	121,000	(121,000)	-	-	-
SALARY, WAGES & BENEFITS	**647,066**	**(110,479)**	**-**	**-**	**-**
SERVICE AND MAINTENANCE CONTRACTS					
- 2019 One-Time Program New Requests	90,000	(90,000)	-	-	-
SERVICE AND MAINTENANCE CONTRACTS	**90,000**	**(90,000)**	**-**	**-**	**-**
COMMUNICATION AND TECHNOLOGY					
- 2019 One-Time Program New Requests	50,000	(50,000)	-	-	-
COMMUNICATION AND TECHNOLOGY	**50,000**	**(50,000)**	**-**	**-**	**-**
MATERIALS & SUPPLIES					
- 2019 One-Time Program New Requests	31,000	(31,000)	-	-	-
MATERIALS & SUPPLIES	**31,000**	**(31,000)**	**-**	**-**	**-**
OTHER SUPPLIES AND EXPENSES					
- GIS Analyst, Training/memberships	1,500	-	-	-	-
- Senior Business Application Analysts (2), Training/memberships	3,000	-	-	-	-
- Senior Network Infrastructure Analyst, Training/memberships	1,500	-	-	-	-
- Senior Property Negotiator, Training/memberships	1,500	-	-	-	-
OTHER SUPPLIES AND EXPENSES	**7,500**	**-**	**-**	**-**	**-**
FISCAL SERVICES	**-**	**-**	**10,732**	**10,947**	**11,165**
EXPENSE ADJUSTMENTS	**825,566**	**(281,479)**	**10,732**	**10,947**	**11,165**
NET DISCRETIONARY ADJUSTMENTS	**533,566**	**10,521**	**10,732**	**10,947**	**11,165**

TOWNSHIP OF LANGLEY
AIRPORT
2019-2023 OPERATING BUDGET

	2018 BUDGET (Base)	2019 Change	2019 BUDGET	2020 Change	2020 BUDGET	2021 Change	2021 BUDGET	2022 Change	2022 BUDGET	2023 Change	2023 BUDGET
NON-TAX REVENUE											
Sales of Services	(836,500)	(78,900)	(915,400)	-	(915,400)	-	(915,400)	-	(915,400)	-	(915,400)
Rentals and Leases	(543,500)	(27,500)	(571,000)	-	(571,000)	-	(571,000)	-	(571,000)	-	(571,000)
Other Revenue	(105,779)	(12,758)	(118,537)	-	(118,537)	-	(118,537)	-	(118,537)	-	(118,537)
Transfer from Own Funds	(54,730)	-	(54,730)	(11,545)	(66,275)	(11,575)	(77,850)	(11,575)	(89,425)	(11,806)	(101,231)
TOTAL REVENUE	**(1,540,509)**	**(119,158)**	**(1,659,667)**	**(11,545)**	**(1,671,211)**	**(11,575)**	**(1,682,786)**	**(11,575)**	**(1,694,361)**	**(11,806)**	**(1,706,167)**
EXPENSE											
Salaries, Wages & Benefits	513,326	30,474	543,800	10,876	554,675	-	554,675	-	554,675	-	554,675
Service and Maintenance Contracts	226,001	(1)	226,000	-	226,000	-	226,000	-	226,000	-	226,000
Fuel	612,000	6,200	618,200	-	618,200	-	618,200	-	618,200	-	618,200
Equipment and Vehicle Rental	17,793	10,667	28,460	370	28,830	377	29,207	377	29,584	384	29,968
Communication and Technology	8,500	(500)	8,000	-	8,000	-	8,000	-	8,000	-	8,000
Insurance	20,000	4,000	24,000	-	24,000	-	24,000	-	24,000	-	24,000
Materials and Supplies	27,100	100	27,200	-	27,200	-	27,200	-	27,200	-	27,200
Utility User Fees	12,956	296	13,252	299	13,551	307	13,858	307	14,165	313	14,478
Internal Charges & Recoveries	-	500	500	-	500	-	500	-	500	-	500
Transfer to Own Funds	(7,667)	68,522	60,855	-	60,855	-	60,855	-	60,855	-	60,855
Contribution to Capital	70,000	-	70,000	-	70,000	-	70,000	-	70,000	-	70,000
Other Supplies and Expense	40,500	(1,100)	39,400	-	39,400	10,891	50,291	10,891	61,182	11,109	72,291
TOTAL EXPENSE	**1,540,509**	**119,158**	**1,659,667**	**11,544.71**	**1,671,211**	**11,575**	**1,682,786**	**11,575**	**1,694,361**	**11,806**	**1,706,167**
SHORTFALL/(SURPLUS)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Township of Langley
FIVE YEAR OPERATING PLAN
AIRPORT - NON-DISCRETIONARY ADJUSTMENTS

	2019	2020	2021	2022	2023
REVENUE (Non-Tax)					
SALES OF SERVICES					
- Airport Tie Down Fee	1,200	-	-	-	-
- Airport Hydro Usage Fee	(100)	-	-	-	-
- Jet A Fuel Sales	80,000	-	-	-	-
- AVGAS Fuel Sales	(160,000)	-	-	-	-
SALES OF SERVICES	**(78,900)**	**-**	**-**	**-**	**-**
RENTALS & LEASES					
- Airport Filming	3,000	-	-	-	-
- Lease Revenue	(30,500)	-	-	-	-
RENTALS & LEASES	**(27,500)**	**-**	**-**	**-**	**-**
OTHER REVENUE					
- Funding from Corporate Administration	(12,758)	-	-	-	-
OTHER REVENUE	**(12,758)**	**-**	**-**	**-**	**-**
TRANSFER FROM OWN FUNDS					
- Airport Transfer From Reserve to fund Operations	-	(11,545)	(11,575)	(11,806)	(12,044)
TRANSFER FROM OWN FUNDS	**-**	**(11,545)**	**(11,575)**	**(11,806)**	**(12,044)**
REVENUE ADJUSTMENTS	**(119,158)**	**(11,545)**	**(11,575)**	**(11,806)**	**(12,044)**
EXPENSE					
SALARY, WAGES & BENEFITS					
- Collective Bargaining and Contract Increases	10,471	10,677	-	-	-
- Employer Health Tax	9,936	199	-	-	-
- Steps/Increments	10,067	-	-	-	-
SALARY, WAGES & BENEFITS	**30,474**	**10,876**	**-**	**-**	**-**
SERVICE AND MAINTENANCE CONTRACTS					
- Maintenance of Hangar Lease Rate	3,188	-	-	-	-
- General Contract Services	6,811	-	-	-	-
- Line Painting	(10,000)	-	-	-	-
SERVICE AND MAINTENANCE CONTRACTS	**(1)**	**-**	**-**	**-**	**-**
FUEL					
- Jet A Fuel purchase	(64,000)	-	-	-	-
- AVGAS fuel purchase	70,000	-	-	-	-
- Fuel issued at Operations	200	-	-	-	0
FUEL	**6,200**	**-**	**-**	**-**	**-**
EQUIPMENT & VEHICLE RENTAL					
- Equipment and Vehicle Rental - Internal	667	370	377	384	392
- Equipment and Vehicle Rental - External (Hired)	10,000	-	-	-	-
EQUIPMENT & VEHICLE RENTAL	**10,667**	**370**	**377**	**384**	**392**
COMMUNICATION AND TECHNOLOGY					
- Internet	(500)	-	-	-	-
COMMUNICATION AND TECHNOLOGY	**(500)**	**-**	**-**	**-**	**-**
INSURANCE					
- Insurance on Unit 780	4,000	-	-	-	-
INSURANCE	**4,000**	**-**	**-**	**-**	**-**
MATERIALS & SUPPLIES					
- Freight	100	-	-	-	-
MATERIALS & SUPPLIES	**100**	**-**	**-**	**-**	**-**
UTILITY USER FEES					
- Electricity	278	284	291	297	304
- Natural Gas	18	15	16	16	17
UTILITY USER FEES	**296**	**299**	**307**	**313**	**321**
INTERNAL CHARGES & RECOVERIES					
- Fleet Shop Overhead	500	-	-	-	-
INTERNAL CHARGES & RECOVERIES	**500**	**-**	**-**	**-**	**-**
TRANSFER TO RESERVES					
- Transfer to Airport Reserve	68,522	-	-	-	-
TRANSFER TO RESERVES	**68,522**	**-**	**-**	**-**	**-**
OTHER SUPPLIES AND EXPENSES					
- Memberships	200	-	-	-	-
- Advertising	(1,000)	-	-	-	-
- Bank Service Charges	14,100	-	-	-	-
- Canwest fees	(15,000)	-	-	-	-
- Travel	600	-	-	-	-
OTHER SUPPLIES AND EXPENSES	**(1,100)**	**-**	**-**	**-**	**-**
FISCAL SERVICES	**-**	**-**	**10,891**	**11,109**	**11,331**
EXPENSE ADJUSTMENTS	**119,158**	**11,545**	**11,575**	**11,806**	**12,044**
NET NON-DISCRETIONARY ADJUSTMENTS	**(0)**	**(0)**	**-**	**-**	**-**

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TOWNSHIP OF LANGLEY
HUMAN RESOURCES
2019-2023 OPERATING BUDGET

	2018 BUDGET (Base)	2019 Change	2019 BUDGET	2020 Change	2020 BUDGET	2021 Change	2021 BUDGET	2022 Change	2022 BUDGET	2023 Change	2023 BUDGET
TAX REVENUE											
Property Tax Base			(1,655,149)		(1,819,214)		(1,904,483)		(1,992,843)		(2,081,203)
Property Tax from New Growth		(24,827)	(24,827)	(36,384)	(36,384)	(38,090)	(38,090)	(39,857)	(39,857)	(41,624)	(41,624)
Property Tax Change		(139,238)	(139,238)	(48,885)	(48,885)	(50,270)	(50,270)	(48,503)	(48,503)	8,191	8,191
	(1,655,149)	**(164,065)**	(1,819,214)	**(85,269)**	(1,904,483)	**(88,360)**	(1,992,843)	**(88,360)**	(2,081,203)	**(33,433)**	(2,114,636)
NON-TAX REVENUE											
Service Cost Recoveries	(87,527)	(70,000)	(157,527)	-	(157,527)	-	(157,527)	-	(157,527)	-	(157,527)
Sales of Services	(7,000)	-	(7,000)	-	(7,000)	-	(7,000)	-	(7,000)	-	(7,000)
Other Revenue	(227,670)	18,152	(209,518)	48,768	(160,750)	-	(160,750)	-	(160,750)	-	(160,750)
Transfer from Own Funds	-	(121,932)	(121,932)	121,932	-	-	-	-	-	-	-
TOTAL REVENUE	**(1,977,346)**	**(337,845)**	**(2,315,191)**	**85,431**	**(2,229,760)**	**(88,360)**	**(2,318,120)**	**(88,360)**	**(2,406,480)**	**(33,433)**	**(2,439,913)**
EXPENSE											
Salaries, Wages & Benefits	1,586,197	115,913	1,702,110	6,501	1,708,611	25,582	1,734,193	25,582	1,759,775	-	1,759,775
Service and Maintenance Contracts	300	121,932	122,232	(121,932)	300	-	300	-	300	-	300
Consulting and Professional Services	212,685	30,000	242,685	30,000	272,685	30,000	302,685	30,000	332,685	-	332,685
Communication and Technology	13,110	-	13,110	-	13,110	-	13,110	-	13,110	-	13,110
Materials and Supplies	111,490	-	111,490	-	111,490	-	111,490	-	111,490	-	111,490
Internal Charges & Recoveries	(60,000)	70,000	10,000	-	10,000	-	10,000	-	10,000	-	10,000
Other Supplies and Expense	113,564	-	113,564	-	113,564	32,778	146,342	32,778	179,120	33,433	212,553
TOTAL EXPENSE	**1,977,346**	**337,845**	**2,315,191**	**(85,431)**	**2,229,760**	**88,360**	**2,318,120**	**88,360**	**2,406,480**	**33,433**	**2,439,913**
SHORTFALL/(SURPLUS)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Township of Langley
FIVE YEAR OPERATING PLAN
HUMAN RESOURCES - NON-DISCRETIONARY ADJUSTMENTS

	2019	2020	2021	2022	2023
REVENUE (Non-Tax)					
SERVICE COST RECOVERIES					
- CUPE recovery for union activities	(70,000)	-	-	-	-
SERVICE COST RECOVERIES	**(70,000)**	**-**	**-**	**-**	**-**
OTHER REVENUE					
- Return to Work Coordinator (3 days AUX), remove COR budget	66,920	-	-	-	-
- Return to Work Coordinator (4 days per week)	(48,768)	48,768	-	-	-
OTHER REVENUE	**18,152**	**48,768**	**-**	**-**	**-**
TRANSFER FROM OWN FUNDS					
- 2018 One-Time Program CFWDs	(121,932)	121,932	-	-	-
TRANSFER FROM OWN FUNDS	**(121,932)**	**121,932**	**-**	**-**	**-**
REVENUE ADJUSTMENTS	**(173,780)**	**170,700**	**-**	**-**	**-**
EXPENSE					
SALARY, WAGES & BENEFITS					
- Collective Bargaining and Contract Increases	30,150	30,753	-	-	-
- Employer Health Tax	31,616	632	-	-	-
- Steps/Increments	(164)	-	-	-	-
- Return to Work Coordinator (4 days per week)	15,000	22,503	25,582	-	
- Return to Work Coordinator (3 days AUX), remove COR budget	(78,510)		-		
- Return to Work Coordinator (4 days per week)	48,768	(48,768)	-	-	-
SALARY, WAGES & BENEFITS	**46,860**	**5,120**	**25,582**	**-**	**-**
SPECIAL CONTRACT (i.e. RCMP, etc.)					
SPECIAL CONTRACT (i.e. RCMP, etc.)	**-**	**-**	**-**	**-**	**-**
SERVICE AND MAINTENANCE CONTRACTS					
- 2018 One-Time Program CFWDs	121,932	(121,932)	-	-	-
SERVICE AND MAINTENANCE CONTRACTS	**121,932**	**(121,932)**	**-**	**-**	**-**
CONSULTING AND LEGAL SERVICES					
- Exempt Manager certification program	30,000	30,000	30,000	-	-
CONSULTING AND LEGAL SERVICES	**30,000**	**30,000**	**30,000**	**-**	**-**
INTERNAL CHARGES & RECOVERIES					
- CUPE recovery for union activities	70,000	-	-	-	-
INTERNAL CHARGES & RECOVERIES	**70,000**	**-**	**-**	**-**	**-**
FISCAL SERVICES	**-**	**-**	**31,369**	**31,996**	**32,636**
EXPENSE ADJUSTMENTS	**268,792**	**(86,812)**	**86,951**	**31,996**	**32,636**
NET NON-DISCRETIONARY ADJUSTMENTS	**95,012**	**83,888**	**86,951**	**31,996**	**32,636**

Township of Langley
FIVE YEAR OPERATING PLAN
HUMAN RESOURCES - DISCRETIONARY ADJUSTMENTS

	2019	2020	2021	2022	2023
EXPENSE					
SALARY, WAGES & BENEFITS					
- Payroll Clerk	69,053	1,381	-	-	-
SALARY, WAGES & BENEFITS	**69,053**	**1,381**	**-**	**-**	**-**
FISCAL SERVICES	**-**	**-**	**1,409**	**1,437**	**1,466**
EXPENSE ADJUSTMENTS	**69,053**	**1,381**	**1,409**	**1,437**	**1,466**
NET DISCRETIONARY ADJUSTMENTS	**69,053**	**1,381**	**1,409**	**1,437**	**1,466**

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TOWNSHIP OF LANGLEY
FINANCE
2019-2023 OPERATING BUDGET

	2018 BUDGET (Base)	2019 Change	2019 BUDGET	2020 Change	2020 BUDGET	2021 Change	2021 BUDGET	2022 Change	2022 BUDGET	2023 Change	2023 BUDGET
TAX REVENUE											
Property Tax Base			(3,915,127)		(4,257,430)		(4,372,582)		(4,573,061)		(4,773,540)
Property Tax from New Growth		(58,727)	(58,727)	(85,149)	(85,149)	(87,452)	(87,452)	(91,461)	(91,461)	(95,471)	(95,471)
Property Tax Change		(283,576)	(283,576)	(30,003)	(30,003)	(113,027)	(113,027)	(109,018)	(109,018)	(23,312)	(23,312)
	(3,915,127)	**(342,303)**	(4,257,430)	**(115,152)**	(4,372,582)	**(200,479)**	(4,573,061)	**(200,479)**	(4,773,540)	**(118,783)**	(4,892,323)
NON-TAX REVENUE											
Service Cost Recoveries	(2,200)	-	(2,200)	-	(2,200)	-	(2,200)	-	(2,200)	-	(2,200)
Sales of Services	(251,531)	-	(251,531)	-	(251,531)	-	(251,531)	-	(251,531)	-	(251,531)
Investment Income	(236,236)	-	(236,236)	-	(236,236)	-	(236,236)	-	(236,236)	-	(236,236)
Other Revenue	(370,594)	(11,500)	(382,094)	-	(382,094)	-	(382,094)	-	(382,094)	-	(382,094)
Transfer from Own Funds	-	(112,766)	(112,766)	112,766	-	-	-	-	-	-	-
TOTAL REVENUE	**(4,775,688)**	**(466,569)**	**(5,242,257)**	**(2,386)**	**(5,244,643)**	**(200,479)**	**(5,445,122)**	**(200,479)**	**(5,645,601)**	**(118,783)**	**(5,764,384)**
EXPENSE											
Salaries, Wages & Benefits	3,441,813	290,239	3,732,052	74,610	3,806,662	44,501	3,851,163	44,501	3,895,664	1,365	3,897,029
Service and Maintenance Contracts	51,538	30,000	81,538	-	81,538	-	81,538	-	81,538	-	81,538
Consulting and Professional Services	91,566	31,200	122,766	400	123,166	400	123,566	400	123,966	400	124,366
Equipment and Vehicle Rental	6,828	256	7,084	142	7,226	145	7,371	145	7,516	147	7,663
Communication and Technology	5,630	98,866	104,496	(96,766)	7,730	-	7,730	-	7,730	-	7,730
Insurance	1,077,151	40,000	1,117,151	40,000	1,157,151	40,600	1,197,751	40,600	1,238,351	41,200	1,279,551
Materials and Supplies	38,253	-	38,253	-	38,253	-	38,253	-	38,253	-	38,253
Internal Charges & Recoveries	(1,500)	(39,992)	(41,492)	-	(41,492)	41,492	-	41,492	41,492	-	41,492
Other Supplies and Expense	64,409	16,000	80,409	(16,000)	64,409	73,341	137,750	73,341	211,091	75,671	286,762
TOTAL EXPENSE	**4,775,688**	**466,569**	**5,242,257**	**2,386**	**5,244,643**	**200,479**	**5,445,122**	**200,479**	**5,645,601**	**118,783**	**5,764,384**
SHORTFALL/(SURPLUS)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Township of Langley
FIVE YEAR OPERATING PLAN
FINANCE - NON-DISCRETIONARY ADJUSTMENTS

	2019	2020	2021	2022	2023
REVENUE (Non-Tax)					
OTHER REVENUE					
- Confiscated Goods Revenue	(10,000)	-	-	-	-
- Accounts Payable Early Payment Discounts	(1,500)	-	-	-	-
OTHER REVENUE	**(11,500)**	**-**	**-**	**-**	**-**
TRANSFER FROM OWN FUNDS					
- 2018 One-Time Program CFWDs - Prior Year Surplus	(112,766)	112,766	-	-	-
TRANSFER FROM OWN FUNDS	**(112,766)**	**112,766**	**-**	**-**	**-**
REVENUE ADJUSTMENTS	**(124,266)**	**112,766**	**-**	**-**	**-**
EXPENSE					
SALARY, WAGES & BENEFITS					
- Collective Bargaining and Contract Increases	69,680	71,074	-	-	-
- Employer Health Tax	68,504	1,370	-	-	-
- Steps/Increments	42,199	-	-	-	-
- Auxiliary support clerk for accounts payable	10,449	251	256	261	266
- Support Clerk for Accounts Payable (RPT to RFT)	26,515	485	494	504	514
- Purchasing (to 7.5 hours)	31,400	600	600	600	600
SALARY, WAGES & BENEFITS	**248,747**	**73,780**	**1,350**	**1,365**	**1,380**
SERVICE AND MAINTENANCE CONTRACTS					
- Tax Rush Security	30,000	-	-	-	-
SERVICE AND MAINTENANCE CONTRACTS	**30,000**	**-**	**-**	**-**	**-**
CONSULTING AND LEGAL SERVICES					
- Audit Fee	21,000	400	400	400	400
- Corporate Filing	2,200	-	-	-	-
- Special Audits	3,000	100	100	100	100
- Legal	5,000	-	-	-	-
CONSULTING AND LEGAL SERVICES	**31,200**	**400**	**400**	**400**	**400**
EQUIPMENT & VEHICLE RENTAL					
- Equipment and Vehicle Rental - Internal	256	142	145	147	150
EQUIPMENT & VEHICLE RENTAL	**256**	**142**	**145**	**147**	**150**
COMMUNICATION AND TECHNOLOGY					
- 2018 One-Time Program CFWDs	96,766	(96,766)	-	-	-
- Cheque Express software	2,100	-	-	-	-
COMMUNICATION AND TECHNOLOGY	**98,866**	**(96,766)**	**-**	**-**	**-**
INSURANCE					
- Insurance Premiums	40,000	40,000	40,600	41,200	41,800
INSURANCE	**40,000**	**40,000**	**40,600**	**41,200**	**41,800**
INTERNAL CHARGES & RECOVERIES					
- Accounts Payable Early Payment Discounts	1,500	-	-	-	-
INTERNAL CHARGES & RECOVERIES	**1,500**	**-**	**-**	**-**	**-**
OTHER SUPPLIES AND EXPENSES					
- 2018 One-Time Program CFWDs	16,000	(16,000)	-	-	-
OTHER SUPPLIES AND EXPENSES	**16,000**	**(16,000)**	**-**	**-**	**-**
FISCAL SERVICES	**-**	**-**	**72,495**	**73,945**	**75,424**
EXPENSE ADJUSTMENTS	**466,569**	**1,556**	**114,990**	**117,057**	**119,154**
NET NON-DISCRETIONARY ADJUSTMENTS	**342,303**	**114,322**	**114,990**	**117,057**	**119,154**

Township of Langley
FIVE YEAR OPERATING PLAN
FINANCE - DISCRETIONARY ADJUSTMENTS

	2019	2020	2021	2022	2023
EXPENSE					
SALARY, WAGES & BENEFITS					
- Financial Analyst (Temporary) (Perfect Mind/Fixed Assets)	41,492		(41,492)	-	-
- Financial Analyst - Internal Control and Projects	-	-	84,643	-	-
- Contract increase on Discretionary Salary & Wages	-	830	-	-	-
SALARY, WAGES & BENEFITS	**41,492**	**830**	**43,151**	**-**	**-**
INTERNAL CHARGES & RECOVERIES					
- Financial Analyst (Temporary) (Perfect Mind/Fixed Assets)	(41,492)	-	41,492	-	-
INTERNAL CHARGES & RECOVERIES	**(41,492)**	**-**	**41,492**	**-**	**-**
FISCAL SERVICES	**-**	**-**	**846**	**1,726**	**1,761**
EXPENSE ADJUSTMENTS	**-**	**830**	**85,489**	**1,726**	**1,761**
NET DISCRETIONARY ADJUSTMENTS	**-**	**830**	**85,489**	**1,726**	**1,761**

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TOWNSHIP OF LANGLEY
COMMUNITY DEVELOPMENT
2019-2023 OPERATING BUDGET

	2018 BUDGET (Base)	2019 Change	2019 BUDGET	2020 Change	2020 BUDGET	2021 Change	2021 BUDGET	2022 Change	2022 BUDGET	2023 Change	2023 BUDGET
TAX REVENUE											
Property Tax Base		-	-		(388,843)		(564,289)		(746,521)		(928,753)
Property Tax from New Growth		-	-	(7,777)	(7,777)	(11,286)	(11,286)	(14,930)	(14,930)	(18,575)	(18,575)
Property Tax Change		(388,843)	(388,843)	(167,669)	(167,669)	(170,946)	(170,946)	(167,302)	(167,302)	(167,301)	(167,301)
	-	**(388,843)**	(388,843)	**(175,446)**	(564,289)	**(182,232)**	(746,521)	**(182,232)**	(928,753)	**(185,876)**	(1,114,629)
NON-TAX REVENUE											
Government Grants	-	(10,000)	(10,000)	10,000	-	-	-	-	-	-	-
Service Cost Recoveries	(34,120)	-	(34,120)	-	(34,120)	-	(34,120)	-	(34,120)	-	(34,120)
Sales of Services	(39,579)	-	(39,579)	-	(39,579)	-	(39,579)	-	(39,579)	-	(39,579)
Permit and License Fees	(6,714,663)	-	(6,714,663)	-	(6,714,663)	-	(6,714,663)	-	(6,714,663)	-	(6,714,663)
Development Revenue	(2,693,597)	(323,700)	(3,017,297)	-	(3,017,297)	-	(3,017,297)	-	(3,017,297)	-	(3,017,297)
Other Revenue	(88,992)	-	(88,992)	-	(88,992)	-	(88,992)	-	(88,992)	-	(88,992)
Transfer from Own Funds	(80,000)	(2,121,271)	(2,201,271)	2,121,271	(80,000)	-	(80,000)	-	(80,000)	-	(80,000)
TOTAL REVENUE	**(9,650,951)**	**(2,843,814)**	**(12,494,765)**	**1,955,825**	**(10,538,940)**	**(182,232)**	**(10,721,172)**	**(182,232)**	**(10,903,404)**	**(185,876)**	**(11,089,280)**
EXPENSE											
Salaries, Wages & Benefits	7,963,698	871,024	8,834,722	43,148	8,877,870	-	8,877,870	-	8,877,870	-	8,877,870
Service and Maintenance Contracts	450,681	317,863	768,544	(310,303)	458,241	-	458,241	-	458,241	-	458,241
Consulting and Professional Services	428,061	1,547,147	1,975,208	(1,547,147)	428,061	-	428,061	-	428,061	-	428,061
Fuel	13,000	260	13,260	265	13,525	271	13,796	271	14,067	276	14,343
Equipment and Vehicle Rental	202,351	7,588	209,939	4,199	214,138	4,283	218,421	4,283	222,704	4,368	227,072
Communication and Technology	43,916	25,245	69,161	(13,785)	55,376	-	55,376	-	55,376	-	55,376
Materials and Supplies	98,859	5,000	103,859	(5,000)	98,859	-	98,859	-	98,859	-	98,859
Utility User Fees	1,186	116	1,302	119	1,421	121	1,542	121	1,663	123	1,786
Municipal Grants	-	124,821	124,821	(124,821)	-	-	-	-	-	-	-
Transfer to Own Funds	160,227	-	160,227	-	160,227	-	160,227	-	160,227	-	160,227
Contribution to Capital	70,000	(70,000)	-	-	-	-	-	-	-	-	-
Other Supplies and Expense	218,972	14,750	233,722	(2,500)	231,222	177,557	408,779	177,557	586,336	181,109	767,445
TOTAL EXPENSE	**9,650,951**	**2,843,814**	**12,494,765**	**(1,955,825)**	**10,538,940**	**182,232**	**10,721,172**	**182,232**	**10,903,404**	**185,876**	**11,089,280**
SHORTFALL/(SURPLUS)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Township of Langley
FIVE YEAR OPERATING PLAN
COMMUNITY DEVELOPMENT - NON-DISCRETIONARY ADJUSTMENTS

	2019	2020	2021	2022	2023
REVENUE (Non-Tax)					
GOVERNMENT GRANTS					
- 2018 One-Time Program CFWDs	(10,000)	10,000	-	-	-
GOVERNMENT GRANTS	**(10,000)**	**10,000**	**-**	**-**	**-**
TRANSFER FROM OWN FUNDS					
- 2018 One-Time Program CFWDs - NonStat Reserves	(778,158)	778,158	-	-	-
- 2018 One-Time Program CFWDs	(1,000,048)	1,000,048	-	-	-
TRANSFER FROM OWN FUNDS	**(1,778,206)**	**1,778,206**	**-**	**-**	**-**
REVENUE ADJUSTMENTS	**(1,788,206)**	**1,788,206**	**-**	**-**	**-**
EXPENSE					
SALARY, WAGES & BENEFITS					
- Collective Bargaining and Contract Increases	159,274	176,694	-	-	-
- Employer Health Tax	158,466	3,169	-	-	-
- Steps/Increments	40,011	-	-	-	-
- 2018 One-Time Program CFWDs	149,000	(149,000)	-	-	-
SALARY, WAGES & BENEFITS	**506,751**	**30,863**	**-**	**-**	**-**
SERVICE AND MAINTENANCE CONTRACTS					
- Langley Animal Protection Society	7,560	-	-	-	-
- 2018 One-Time Program CFWDs	239,438	(239,438)	-	-	-
SERVICE AND MAINTENANCE CONTRACTS	**246,998**	**(239,438)**	**-**	**-**	**-**
CONSULTING AND LEGAL SERVICES					
- 2018 One-Time Program CFWDs	1,274,947	(1,274,947)	-	-	-
CONSULTING AND LEGAL SERVICES	**1,274,947**	**(1,274,947)**	**-**	**-**	**-**
FUEL					
- Gasoline	260	265	271	276	281
FUEL	**260**	**265**	**271**	**276**	**281**
EQUIPMENT & VEHICLE RENTAL					
- Equipment and Vehicle Rental - Internal (Monthly)	7,588	4,199	4,283	4,368	4,454
EQUIPMENT & VEHICLE RENTAL	**7,588**	**4,199**	**4,283**	**4,368**	**4,454**
COMMUNICATION AND TECHNOLOGY					
- Air Cards (for Bylaw Officers field work)	10,000	-	-	-	-
COMMUNICATION AND TECHNOLOGY	**10,000**	**-**	**-**	**-**	**-**
MATERIALS & SUPPLIES					
- On-line BC Building Code - New Building Code edition	5,000	(5,000)	-	-	-
MATERIALS & SUPPLIES	**5,000**	**(5,000)**	**-**	**-**	**-**
UTILITY USER FEES					
- Water/Sewer	116	119	121	123	126
UTILITY USER FEES	**116**	**119**	**121**	**123**	**126**
MUNICIPAL GRANTS					
- 2018 One-Time Program CFWDs	124,821	(124,821)	-	-	-
MUNICIPAL GRANTS	**124,821**	**(124,821)**	**-**	**-**	**-**
CONTRIBUTION TO CAPITAL					
- Parking Improvement, remove contribution to capital for 2018	(70,000)	-	-	-	
CONTRIBUTION TO CAPITAL	**(70,000)**	**-**	**-**	**-**	**-**
OTHER SUPPLIES AND EXPENSES					
- Collection Fees (Unpaid Tickets)	5,000	-	-	-	-
- Office Furniture Reconfiguration	2,500	(2,500)	-	-	-
- Building Membership Fees ($300/Member)	5,500	-	-	-	-
OTHER SUPPLIES AND EXPENSES	**13,000**	**(2,500)**	**-**	**-**	**-**
FISCAL SERVICES	**-**	**-**	**177,557**	**181,109**	**184,731**
EXPENSE ADJUSTMENTS	**2,119,481**	**(1,611,260)**	**182,232**	**185,876**	**189,592**
NET NON-DISCRETIONARY ADJUSTMENTS	**331,275**	**176,946**	**182,232**	**185,876**	**189,592**

Township of Langley
FIVE YEAR OPERATING PLAN
COMMUNITY DEVELOPMENT - DISCRETIONARY ADJUSTMENTS

	2019	2020	2021	2022	2023
REVENUE (Non-Tax)					
DEVELOPMENT REVENUE					
- Development Application Fee Revenue Increase RPT 18-161	(323,700)	-	-	-	-
DEVELOPMENT REVENUE	**(323,700)**	**-**	**-**	**-**	**-**
TRANSFER FROM OWN FUNDS					
- 2019 One-Time Program New Requests - Non-Stat Reserves	(205,865)	205,865	-	-	-
- 2019 One-Time Program New Requests - Prior Year Surplus	(137,200)	137,200	-	-	-
TRANSFER FROM OWN FUNDS	**(343,065)**	**343,065**	**-**	**-**	**-**
REVENUE ADJUSTMENTS	**(666,765)**	**343,065**	**-**	**-**	**-**
EXPENSE					
SALARY, WAGES & BENEFITS					
- Bylaw Clerk	58,755	2,996	-	-	-
- Landscape Design Technician	74,892	4,677	-	-	-
- Senior Planner	130,703	2,614	-	-	-
- Permit Coordinator	99,923	1,998	-	-	-
SALARY, WAGES & BENEFITS	**364,273**	**12,285**	**-**	**-**	**-**
SERVICE AND MAINTENANCE CONTRACTS					
- 2019 One-Time Program New Requests	70,865	(70,865)	-	-	-
SERVICE AND MAINTENANCE CONTRACTS	**70,865**	**(70,865)**	**-**	**-**	**-**
CONSULTING AND LEGAL SERVICES					
- 2019 One-Time Program New Requests	272,200	(272,200)	-	-	-
CONSULTING AND LEGAL SERVICES	**272,200**	**(272,200)**	**-**	**-**	**-**
COMMUNICATION AND TECHNOLOGY					
- For Bylaw Clerk	2,980	(2,980)	-	-	-
- For Landscape Design Technician	4,275	(3,675)	-	-	-
- For Senior Planner (Software license, Compuer, Landline)	3,190	(2,930)	-	-	-
- For Permit Coordinator (Cellphone,Software,Computer)	4,800	(4,200)	-	-	-
COMMUNICATION AND TECHNOLOGY	**15,245**	**(13,785)**	**-**	**-**	**-**
OTHER SUPPLIES AND EXPENSES					
- For Senior Planner (Training/Memberships)	550	-	-	-	-
- For Permit Coordinator (Training/Memberships)	1,200	-	-	-	-
OTHER SUPPLIES AND EXPENSES	**1,750**	**-**	**-**	**-**	**-**
EXPENSE ADJUSTMENTS	**724,333**	**(344,565)**	**-**	**-**	**-**
NET DISCRETIONARY ADJUSTMENTS	**57,568**	**(1,500)**	**-**	**-**	**-**

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TOWNSHIP OF LANGLEY
FISCAL
2019-2023 OPERATING BUDGET

	2018 BUDGET (Base)	2019 Change	2019 BUDGET	2020 Change	2020 BUDGET	2021 Change	2021 BUDGET	2022 Change	2022 BUDGET	2023 Change	2023 BUDGET
TAX REVENUE											
Property Tax Base			110,750		384,872		206,055		(76,568)		(359,191)
Property Tax from New Growth		1,661	1,661	7,697	7,697	4,121	4,121	4,121	4,121	(1,531)	(1,531)
Property Tax Change		272,461	272,461	(186,514)	(186,514)	(286,744)	(286,744)	(286,744)	(286,744)	(260,787)	(260,787)
	110,750	**274,122**	384,872	**(178,817)**	206,055	**(282,623)**	(76,568)	**(282,623)**	(359,191)	**(262,318)**	(621,509)
NON-TAX REVENUE											
Special Levies/Grants-In-Lieu	(4,470,967)	(100,000)	(4,570,967)	-	(4,570,967)	-	(4,570,967)	-	(4,570,967)	-	(4,570,967)
Sales of Services	(51,500)	-	(51,500)	-	(51,500)	-	(51,500)	-	(51,500)	-	(51,500)
Permit and License Fees	(29,800)	-	(29,800)	-	(29,800)	-	(29,800)	-	(29,800)	-	(29,800)
Investment Income	(1,686,336)	-	(1,686,336)	-	(1,686,336)	-	(1,686,336)	-	(1,686,336)	-	(1,686,336)
Other Revenue	7,192,613	-	7,192,613	-	7,192,613	-	7,192,613	-	7,192,613	-	7,192,613
Internal Recoveries	(5,157,207)	(381,922)	(5,539,129)	(356,183)	(5,895,312)	(252,377)	(6,147,689)	(252,377)	(6,400,066)	(272,682)	(6,672,748)
Transfer from Own Funds	(140,000)	(1,320,500)	(1,460,500)	140,000	(1,320,500)	-	(1,320,500)	-	(1,320,500)	-	(1,320,500)
External Unidentified Revenue	(250,000)	-	(250,000)	-	(250,000)	-	(250,000)	-	(250,000)	-	(250,000)
TOTAL REVENUE	**(4,482,447)**	**(1,528,300)**	**(6,010,747)**	**(395,000)**	**(6,405,747)**	**(535,000)**	**(6,940,747)**	**(535,000)**	**(7,475,747)**	**(535,000)**	**(8,010,747)**
EXPENSE											
Salaries, Wages & Benefits	313,645	35,000	348,645	35,000	383,645	35,000	418,645	35,000	453,645	35,000	488,645
Service and Maintenance Contracts	395,736	-	395,736	-	395,736	-	395,736	-	395,736	-	395,736
Consulting and Professional Services	32,444	500,000	532,444	-	532,444	-	532,444	-	532,444	-	532,444
Debt Principal and Interest	64,098	-	64,098	-	64,098	-	64,098	-	64,098	-	64,098
Internal Charges & Recoveries	-	165,500	165,500	-	165,500	-	165,500	-	165,500	-	165,500
Transfer to Own Funds	2,717,451	500,000	3,217,451	500,000	3,717,451	500,000	4,217,451	500,000	4,717,451	500,000	5,217,451
External Unidentified	250,000	-	250,000	-	250,000	-	250,000	-	250,000	-	250,000
Other Supplies and Expense	709,073	327,800	1,036,873	(140,000)	896,873	-	896,873	-	896,873	-	896,873
TOTAL EXPENSE	**4,482,447**	**1,528,300**	**6,010,747**	**395,000**	**6,405,747**	**535,000**	**6,940,747**	**535,000**	**7,475,747**	**535,000**	**8,010,747**
SHORTFALL/(SURPLUS)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Township of Langley
FIVE YEAR OPERATING PLAN
FISCAL - NON-DISCRETIONARY ADJUSTMENTS

	2019	2020	2021	2022	2023
REVENUE (Non-Tax)					
SPECIAL LEVIES/GRANTS-IN-LIEU					
- 1% Utility Tax / Grants in Lieu	(100,000)	-	-	-	-
SPECIAL LEVIES/GRANTS-IN-LIEU	**(100,000)**	**-**	**-**	**-**	**-**
INTERNAL RECOVERIES					
- Administrative Overhead - will need refresh when 2019 - 2023 is firr	(381,922)	(356,183)	(252,377)	(272,682)	(285,112)
-	-	-	-	-	-
INTERNAL RECOVERIES	**(381,922)**	**(356,183)**	**(252,377)**	**(272,682)**	**(285,112)**
TRANSFER FROM OWN FUNDS					
- To Phase in 2018 Growth Shortfall in Property Taxes	(365,000)	-	-	-	-
- ASO Dental and Extended Health contingency	(140,000)	140,000			
TRANSFER FROM OWN FUNDS	**(505,000)**	**140,000**	**-**	**-**	**-**
REVENUE ADJUSTMENTS	**(986,922)**	**(216,183)**	**(252,377)**	**(272,682)**	**(285,112)**
EXPENSE					
SALARY, WAGES & BENEFITS					
- Collective Bargaining and Contract Increases	-	-	-	-	-
- Employer Health Tax	-	-	-	-	-
- Steps/Increments (Corporate)	35,000	35,000	35,000	35,000	35,000
SALARY, WAGES & BENEFITS	**35,000**	**35,000**	**35,000**	**35,000**	**35,000**
SERVICE AND MAINTENANCE CONTRACTS					
- Short Term External Debt Expires (Dry Floor Arena)	-	-	-	-	(140,736)
SERVICE AND MAINTENANCE CONTRACTS	**-**	**-**	**-**	**-**	**(140,736)**
TRANSFER TO RESERVES			-		
- Transfer to Capital Infrastructure Renewal Reserve	500,000	500,000	500,000	500,000	500,000
TRANSFER TO RESERVES	**500,000**	**500,000**	**500,000**	**500,000**	**500,000**
OTHER SUPPLIES AND EXPENSES					
- ASO Dental and Extended Health contingency	140,000	(140,000)			
OTHER SUPPLIES AND EXPENSES	**140,000**	**(140,000)**	**-**	**-**	**-**
FISCAL SERVICES					
- Airport Office and Hanger Leases	37,800	-	-	-	-
FISCAL SERVICES	**37,800**	**-**	**-**	**-**	**-**
EXPENSE ADJUSTMENTS	**712,800**	**395,000**	**535,000**	**535,000**	**394,264**
NET NON-DISCRETIONARY ADJUSTMENTS	**(274,122)**	**178,817**	**282,623**	**262,318**	**109,152**

Township of Langley
FIVE YEAR OPERATING PLAN
FISCAL - DISCRETIONARY ADJUSTMENTS

	2019	2020	2021	2022	2023
REVENUE (Non-Tax)					
TRANSFER FROM OWN FUNDS					
- 2019 One Time Program New Request - Prior Year Surplus	(815,500)	-	-	-	-
TRANSFER FROM OWN FUNDS	**(815,500)**	-	-	-	-
REVENUE ADJUSTMENTS	**(815,500)**	-	-	-	-
EXPENSE					
CONSULTING AND LEGAL SERVICES					
- 2019 One Time Program New Request	500,000	-	-	-	-
CONSULTING AND LEGAL SERVICES	**500,000**	-	-	-	-
INTERNAL CHARGES & RECOVERIES					
- 2019 One Time Program New Request	165,500	-	-	-	-
INTERNAL CHARGES & RECOVERIES	**165,500**	-	-	-	-
OTHER SUPPLIES AND EXPENSES					
- 2019 One Time Program New Request	150,000	-	-	-	-
OTHER SUPPLIES AND EXPENSES	**150,000**	-	-	-	-
EXPENSE ADJUSTMENTS	**815,500**	-	-	-	-
NET DISCRETIONARY ADJUSTMENTS	-	-	-	-	-

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Funding Status	Department Name	Ranking	ProjectTitle	ProjectID	Total	Capital Surplus and Reserves	Development Cost	Operating Revenue	Others	Proceeds From Borrowing	Unfunded
Inside	Water	Critical	Aldergrove Water Treatment Plant	EN225	2,647,000	164,329		-	2,482,671		-
Inside	Water	Critical	Fort Langley Well #2 Upgrades	EN1073	350,000	212,716		137,284			-
Inside	Water	Critical	Permit Software	EN1076	43,750			43,750			-
Inside	Water	High	Tall Timbers Connection	EN185	100,000			100,000			-
Inside	Water	High	Annual Water Main Infrastructure Replacement	EN178	500,000			500,000			-
Inside	Water	High	Water System Upgrades: Fort Langley Mary Avenue - Glover Road to Royal Street	EN1061	600,000	3,000	297,000		300,000		-
Inside	Water	High	Operations Centre: Repairs and Improvements	EN193	100,000	100,000					-
Inside	Water	High	Operations Centre: Wash Bay Improvements	EN181	125,000	125,000					-
Inside	Water	High	Structural Improvements: Water Reservoir	EN219	280,000	280,000					-
Inside	Water	High	Watermain Replacement/Upsizing 30A Ave and 262 Street	EN1074	1,200,000	609,960	590,040				-
Inside	Water	High	Water Pump Station PLC Replacement: Various Locations	EN228	225,000	225,000					-
Inside	Water	High	Fraser Hwy/264 Street Zone Upgrades	EN1075	45,000	45,000					-
Inside	Water	High	Operations Centre: Air Handling Unit Upgrade	EN229	37,500	37,500					-
Inside	Water	High	Annual Power Outage Mitigation	EN206	250,000	250,000					-
Inside	Water	High	Asset Management Software	EN824	50,000	50,000					-
Inside	Water	High	Annual Development Cost Charges (DCC) Water Projects	EN208	350,000	3,500	346,500				-
Inside	Water	High	Water LAS: 216 Street 64 Avenue to 58 Avenue	EN1158	1,587,000					1,587,000	-
Inside	Water	High	Annual Local Area Service (LAS) Program - Water	EN211	2,000,000	2,000,000					-
Inside	Water	High	Shoring Safety Equipment Replacement	EN1072	25,000	25,000					-
Inside	Water	High	83 Avenue at 200 St; PRV Station	EN334	658,000	6,580	651,420				-
Inside	Water	Medium	Vehicle: Water Portion of a 2 way split	EN203	20,000	20,000					-
Inside	Water	Medium	Vehicle: Backhoe (50/50 with Sanitary Sewer Fund)	EN200	90,000	90,000					-
Inside	Water	Medium	Watermain Design & Construction: Brawn Pump Station to Murrayville Reservoir	EN201	150,000	1,500	148,500				-
Inside Total	Water				**11,433,250**	**4,249,085**	**2,033,460**	**781,034**	**2,782,671**	**1,587,000**	**-**
Placeholder	Water	NA	Unidentified Externally Funded Projects	EN212	1,000,000				1,000,000		-
Placeholder Total	Water				**1,000,000**	**-**	**-**	**-**	**1,000,000**	**-**	**-**
Outside	Water	Medium	Vehicle: Water Portion of a 5 way split	EN189	8,000						8,000
Outside	Water	Medium	Vehicle: Engineering Services	EN1095	10,000						10,000
Outside	Water	Medium	Vehicle: Utilities Van	EN230	68,000						68,000
Outside	Water	Medium	Trunk Watermain Upgrade Design & Construction: 56 Ave	EN197	125,000						125,000
Outside Total	Water				**211,000**	**-**	**-**	**-**	**-**	**-**	**211,000**
	Water Total				**12,644,250**	**4,249,085**	**2,033,460**	**781,034**	**3,782,671**	**1,587,000**	**211,000**

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Township of Langley
Capital Project Description

ProjectID EN225 Department Water Project Manager Brar, Robby

ProjectTitle Aldergrove Water Treatment Plant

WorkBreakDown WTR1147-01 Category WTRWTPL Project Priority Ranking **Critical**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		2,647,000	-	-	-	-
Carry Forward Amt	741,089					
Total Project Cost	741,089	2,647,000	-	-	-	-

Project Description	Options assessment, design and construction services for the repair or replacement of the Aldergrove Water Treatment Plant filter tanks.
Project Justification	A corrosion assessment by Levelton Consultants has revealed excessive corrosion in the interior surfaces of the aluminum filter tanks, reaction tanks and interconnection piping. Up to 40% wall loss has been measured, resulting in the need to repair or replace the tanks and associated piping. If repairs or replacement is not carried out, the tanks will eventually fail, resulting in a water shortage for Aldergrove, Gloucester, and Salmon River Uplands. The time to failure and type of failure can not be easily predicted. Requesting funding through investing in Canada Infrastructure for Environmental Quality (EMBC) grant. Potential for 73.3% in financing of costs anticipated after grant approval.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	164,329	-	-	-	-
Others	-	2,482,671	-	-	-	-
Operating Revenue	-	-	-	-	-	-
Capital Surplus and Reserves	741,089	-	-	-	-	-
Total Funded	741,089	2,647,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1073 Department Water Project Manager Rizvi, Asher

ProjectTitle Fort Langley Well #2 Upgrades

WorkBreakDown NEW Category WTRWELL Project Priority Ranking **Critical**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		350,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	350,000	-	-	-	-

Project Description	To achieve sufficient chlorine contact time for the water supply from Fort Langley #2 well, an additional 165 m of 750 mm DI pipe will be installed. This will extend the length of the water main coming out of waterworks thus increasing the travel time to levels necessary to achieve the disinfection provincial standards.
Project Justification	Fraser Health requires that insufficient Chlorine contact time (CT) concerns for the water users adjacent to the Fort Langley waterworks be addressed to achieve necessary levels of disinfection.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	212,716	-	-	-	-
Operating Revenue	-	137,284	-	-	-	-
Total Funded	-	350,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1076 Department Water Project Manager Heichert, Denise

ProjectTitle Permit Software

WorkBreakDown NEW Category ADMIN Project Priority Ranking **Critical**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		43,750	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	43,750	-	-	-	-

Project Description

To implement a permit application software tool that will allow requests on the ToL website, providing convenience to our customers and reducing the amount of staff time required to set up applications in the system for a variety of building, engineering (water, sewer & stormwater), plumbing and burning permits. This funding will purchase the software licence and provide funding to convert 4 permits.

Project Justification

The new software aligns with the Township's eGovernment strategy and allows applicants to submit a variety of permit applications through an on line platform. This will ultimately provide convenience for our customers with a 24/7 permit intake process and improved communication throughout the permitting process. Funding is requested from General Revenue, Water, Sewer, and Stormwater.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	-	43,750	-	-	-	-
Total Funded	-	43,750	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN185 Department Water Project Manager McCormick, David

ProjectTitle Tall Timbers Connection

WorkBreakDown WTR1161-01 Category WTRMAIN Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		100,000	-	-	-	-
Carry Forward Amt	378,148					
Total Project Cost	378,148	100,000	-	-	-	-

Project Description

Connection of the small Tall Timbers Water system to the East Langley Water Supply trunk main, taking it off of groundwater as its water source. Even though this is a Medium priority, it has a good business case as a land asset will be able to be sold as a result of this project.

Project Justification

This small system is relatively labour intensive to operate, and contributes to the depletion of groundwater from the Hopington Aquifer. By providing Metro Vancouver water into this system, operational savings of $26,650/year are expected to be realized. A further $423,000 of land asset will become unencumbered.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	-	100,000	-	-	-	-
Capital Surplus and Reserves	378,148	-	-	-	-	-
Total Funded	378,148	100,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN178 Department Water Project Manager Larsen, Kevin

ProjectTitle Annual Water Main Infrastructure Replacement

WorkBreakDown WTR1045-01 Category WTRMAIN Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		500,000	500,000	500,000	500,000	500,000
Carry Forward Amt	-					
Total Project Cost	-	500,000	500,000	500,000	500,000	500,000

Project Description	ANNUAL TOP-UP FUNDING ONLY. This annual capital project seeks funding to replace/repair various aging water infrastructure.
Project Justification	As identified in the existing Water Master Plan, the plan prioritizes requirements that need to be completed. As infrastructure ages, replacement is necessary to maintain an acceptable level of service to customers.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	-	-	-	-	-
Operating Revenue	-	500,000	500,000	500,000	475,000	331,034
Capital Surplus and Reserves	-	-	-	-	-	-
Total Funded	-	500,000	500,000	500,000	475,000	331,034
Unfunded		-	-	-	25,000	168,966
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1061 Department Water Project Manager McCormick, David

ProjectTitle Water System Upgrades: Fort Langley Mary Avenue - Glover Road to Royal Street

WorkBreakDown NEW Category WTRMAIN Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		600,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	600,000	-	-	-	-

Project Description	Installation of a new watermain to improve the water network. DCC IDW066
Project Justification	This project will increase available fire flows in the vicinity of the National Historic Site and museum area, which currently do not meet municipal standards.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	3,000	-	-	-	-
Development Cost Charges(DCCs)	-	297,000	-	-	-	-
Others	-	300,000	-	-	-	-
Total Funded	-	600,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	1692	0	0	0

Operating Impact Detail 400 lm of watermain

Township of Langley
Capital Project Description

ProjectID EN193 Department Water Project Manager Ardestani, Farzad

ProjectTitle Operations Centre: Repairs and Improvements

WorkBreakDown WTR1162-01 Category WTRADMN Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		100,000	-	-	-	-
Carry Forward Amt	71,299					
Total Project Cost	71,299	100,000	-	-	-	-

Project Description

The Operations Centre is 20 years old and there are many improvements and repairs that need to be done to the building and the site/yard. This funding will be utilized for electrical/mechanical upgrades, interior improvements, secondary gate, curtain wall repairs, additional parking , etc.

Project Justification

To improve space utilization, increase capacity, replace ageing equipment and infrastructure, provide additional storage, etc. The consequences are inefficient use of site, capacity issues, safety, etc.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	100,000	-	-	-	-
Capital Surplus and Reserves	71,299	-	-	-	-	-
Total Funded	71,299	100,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN181 Department Water Project Manager Ardestani, Farzad

ProjectTitle Operations Centre: Wash Bay Improvements

WorkBreakDown NEW Category WTRRSTRC Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		125,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	125,000	-	-	-	-

Project Description

Some of the components of the wash bay at the Operations Centre have passed their service life and require replacement. Further, new systems are recommended to meet current safety standards and improve the functionality of the wash bay. Funding is required to proceed with the design, supply and installation of improvements and replacements.

Project Justification

Safety risk and limitations on functionality of the wash bay (unable to access the back of tandem trucks because no fall protection exists), continued deterioration of the accessory building, and increased maintenance costs.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	125,000	-	-	-	-
Total Funded	-	125,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN219 Department Water Project Manager Sunada, Victor

ProjectTitle Structural Improvements: Water Reservoir

WorkBreakDown WTR1144-01 Category WTRRESV Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		280,000	-	-	-	-
Carry Forward Amt	83,100					
Total Project Cost	83,100	280,000	-	-	-	-

Project Description	2018/2019 works include design and construction of structural improvements to PRV structures and to one of the identified high risk reservoirs to reduce potential, identified hazards.
Project Justification	As reported by the Seismic Vulnerability Assessment, PRV structures and reservoirs have been identified as having moderate to high structural and geotechnical vulnerability. To avoid potential catastrophic failures and to reduce potential hazards, structural remediation will be required. Preliminary and detailed designs are required to determine construction budgets for required improvements to reservoirs.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	83,100	280,000	-	-	-	-
Total Funded	83,100	280,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1074 Department Water Project Manager Brar, Robby

ProjectTitle Watermain Replacement/Upsizing 30A Ave and 262 Street

WorkBreakDown NEW Category WTRMAIN Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		1,200,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	1,200,000	-	-	-	-

Project Description	Installation of approximately 795m of 300mm PVC watermain. DCC ID 11W002, 11W057.
Project Justification	The installation of this watermain was recommended as a part of the Township's current water system master plan. This project enhances water quality and increases flow by upsizing the current watermain.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	609,960	-	-	-	-
Development Cost Charges(DCCs)	-	590,040	-	-	-	-
Total Funded	-	1,200,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN228 Department Water Project Manager Babcock, Wyatt

ProjectTitle Water Pump Station PLC Replacement: Various Locations

WorkBreakDown WTR1167-01 Category WTRPOWR Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		225,000	-	-	-	-
Carry Forward Amt	225,000					
Total Project Cost	225,000	225,000	-	-	-	-

Project Description	Replacement of programmable logic controllers in pump station motor control centres.
Project Justification	The programmable logic controllers currently in use are no longer a supported product meaning spare parts will be become unavailable and the programing software will become obsolete. Should a PLC fail it will render the pump station nonoperational except by manually running the pumps; this could affect service and potentially result in environmental damage.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	225,000	225,000	-	-	-	-
Operating Revenue	-	-	-	-	-	-
Total Funded	225,000	225,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1075 Department Water Project Manager Brar, Robby

ProjectTitle Fraser Hwy/264 Street Zone Upgrades

WorkBreakDown NEW Category WTRMAIN Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		45,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	45,000	-	-	-	-

Project Description	Installation of fire hydrants and abandonment of existing AC watermain.
Project Justification	The installation of two fire hydrants and abandonment of existing watermain will provide adequate fire hydrant coverage in the area as per the Township's Subdivision Bylaw, provide a flushing point for a deadend watermain, and also shorten the deadend watermain by 150m.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	45,000	-	-	-	-
Total Funded	-	45,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN229 Department Water Project Manager Ardestani, Farzad

ProjectTitle Operations Centre: Air Handling Unit Upgrade

WorkBreakDown NEW Category FACHVAC Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		37,500	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	37,500	-	-	-	-

Project Description

The Utilities shop area has an air conditioning unit that was sized when the building was originally built. Since then, various space modifications have been completed to place additional staff in this area. However, the air conditioning system has not been upgraded accordingly. The existing system is small for the current cooling load and is incapable of heating.

Project Justification

The existing unit has passed its expected useful life. The existing system does not provide the required thermal comfort for the offices in this area. If the project is not completed, the productivity of staff will be greatly compromised. There will be additional impacts to operating budget to perform repairs on the existing unit.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	37,500	-	-	-	-
Total Funded	-	37,500	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN206 Department Water Project Manager Babcock, Wyatt

ProjectTitle Annual Power Outage Mitigation

WorkBreakDown WTR1096-01 Category WTRPOWR Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		250,000	250,000	250,000	250,000	250,000
Carry Forward Amt	-					
Total Project Cost	-	250,000	250,000	250,000	250,000	250,000

Project Description	ANNUAL TOP-UP FUNDING ONLY. This is an annual capital project that seeks funding to complete installation of emergency backup power at key water supply facilities.
Project Justification	Power outage mitigation has been a multi-year upgrade program involving the installation of emergency backup power at water supply facilities. Without backup power, water supply would be compromised in the event of a power outage during peak demand times.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	250,000	-	-	-	-
Operating Revenue	-	-	-	-	-	250,000
Capital Surplus and Reserves	-	-	-	-	-	-
Total Funded	-	250,000	-	-	-	250,000
Unfunded		-	250,000	250,000	250,000	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN824 Department Water Project Manager Bismel, Hakim

ProjectTitle Asset Management Software (5 Way Split)

WorkBreakDown NEW Category WTRADMN Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		50,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	50,000	-	-	-	-

Project Description

As the number of Township infrastructure assets continue to grow, it is important that staff find ways to be more efficient and effective to meet long term asset management goals. This project proposes to replace the current Public Works service request/work order software with a new program that better aligns with the Township's eGovernment strategy. Funding is proposed to be split 5 ways between Water, Sewer, Storm, Transportation and Parks.

Building on existing technology investments, the proposed enhancements will improve system interoperability including a direct integration with the Township's eGovernment platform to improve customer experience, deliver important mobility tools to outside workers to improve efficiency, and leverage the power of the Township's existing enterprise GIS system to provide important decision-making and asset management tools.

Project Justification

Not proceeding with implementation of new software will result in higher long term operating costs to utilize the mobility tools delivered through the existing system as well as higher costs for licensing as the new software has a more flexible population based model, rather than user-based. The new software aligns with the Township's eGovernment platform, ultimately resulting in improved online capabilities and an improved customer experience related to service requests.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	-	-	-	-	-
Capital Surplus and Reserves	-	50,000	-	-	-	-
Total Funded	-	50,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN208 Department Water Project Manager Larsen, Kevin

ProjectTitle Annual Development Cost Charges (DCC) Water Projects

WorkBreakDown WTR1047-01 Category WTRMAIN Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		350,000	350,000	350,000	350,000	350,000
Carry Forward Amt	1,589,800					
Total Project Cost	1,589,800	350,000	350,000	350,000	350,000	350,000

Project Description

TOP-UP FUNDING REQUEST ONLY. This is an annual capital project that seeks funding for design and construction of miscellaneous DCC water projects (includes contribution to base works, water works fronting parks and schools) prior to development. 2019 projects include: 272 Street, 32 St to Fraser Hwy; Brookswood Reservoir to 208 Street; and 208 Street - 32 to 36 Ave.

Project Justification

Required to allow the advancement of some DCC projects in advance of development.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	3,854	3,500	3,500	3,500	3,500	3,500
Development Cost Charges(DCCs)	1,731,957	346,500	346,500	346,500	346,500	346,500
Capital Surplus and Reserves	14,753	-	-	-	-	-
Total Funded	1,750,564	350,000	350,000	350,000	350,000	350,000
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1158 Department Water Project Manager Welfing, Richard

ProjectTitle Water LAS: 216 Street 64 Avenue to 58 Avenue

WorkBreakDown NEW Category WTRMAIN Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		1,587,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	1,587,000	-	-	-	-

Project Description	Project involves the installation of watermain along 216 Street from 58A Avenue to 64 Avenue. The project is being funded as a Local Area Service with property owners paying the cost. A successful preliminary petition was completed and authorization to proceed with the official petition was completed on October 1, 2018
Project Justification	Residents have expressed concerns with existing groundwater in terms of quality.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Proceeds From Borrowing	-	1,587,000	-	-	-	-
Total Funded	-	1,587,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	5600	0	0	0

Operating Impact Detail 1324 lm of watermain

Township of Langley
Capital Project Description

ProjectID EN211 Department Water Project Manager Welfing, Richard

ProjectTitle Annual Local Area Service (LAS) Program - Water

WorkBreakDown WTR1053-01 Category WTRMAIN Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
Carry Forward Amt	-					
Total Project Cost	-	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000

Project Description

TOP-UP FUNDING REQUEST ONLY. This is an annual capital project that seeks funding to cover costs for potential water projects under the Local Area Service program. Through a Local Area Service, property owners who want to conduct neighbourhood improvements such as storm water petition Council, ask for the Township to undertake the work. The cost of providing the service is recovered through a local service tax placed on all the property owners in the area.

Project Justification

Council policy has been to encourage extension of water mains by local service area improvements.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
Total Funded	-	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1072 Department Water Project Manager Ruhl, Aaron

ProjectTitle Shoring Safety Equipment Replacement

WorkBreakDown NEW Category WTRADMN Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		25,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	25,000	-	-	-	-

Project Description

Two of three hydraulic shoring cages are 25+ years old and are nearing the end of their useful life. These shoring cages are critical to staff safety and used daily when excavating to work on the Township's underground utility infrastructure including water and sanitary systems. It is proposed to purchase two new sets of shoring to replace the existing cages before they are no longer usable.

Project Justification

The two shoring cages are nearing the end of their useful life and having the cages unexpectedly out of service would affect the Township's ability to complete daily work and repairs to critical underground utility infrastructure. Not having safe and operable shoring could also result in longer out of service times for our utility customer during emergency repairs.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	25,000	-	-	-	-
Total Funded	-	25,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN334 Department Water Project Manager McCormick, David

ProjectTitle 83 Avenue at 200 St; PRV Station

WorkBreakDown WTR1058-01 Category WTRSTNS Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		658,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	658,000	-	-	-	-

Project Description	To construct a pressure reducing valve at 200 Street and 83 Avenue. DCC Project 11W027
Project Justification	To service new development in the Latimer/Carvolth area as outlined in the Engineering Servicing Plan.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	6,580	-	-	-	-
Development Cost Charges(DCCs)	-	651,420	-	-	-	-
Total Funded	-	658,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN203 Department Water Project Manager Parenteau, MiKe

ProjectTitle Vehicle: Water Portion of a 2 way split

WorkBreakDown NEW Category WTRFLT Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		20,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	20,000	-	-	-	-

Project Description	Vehicle for Process Automation Technician. Funding requested in Water/Sewer
Project Justification	The field work of this position has increased every year. With the work load increasing it makes economic sense to purchase a vehicle as opposed to renting. If a vehicle is not purchased the need will be met at greater cost by renting.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	20,000	-	-	-	-
Total Funded	-	20,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN200 Department Water Project Manager Parenteau, MiKe

ProjectTitle Vehicle: Backhoe (50/50 with Sanitary Sewer Fund)

WorkBreakDown NEW Category WTRADMN Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		90,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	90,000	-	-	-	-

Project Description	This request is for the backhoe required to support the Water and Sewer Construction crew to excavate related construction sites.
Project Justification	Service levels will not be met.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	90,000	-	-	-	-
Total Funded	-	90,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN201 Department Water Project Manager McCormick, David

ProjectTitle Watermain Design & Construction: Brawn Pump Station to Murrayville Reservoir

WorkBreakDown NEW Category WTRMAIN Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		150,000	1,500,000	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	150,000	1,500,000	-	-	-

Project Description	Connection from Brawn Pump Station to the Murrayville Distribution system, including additional pump works at Brawn Pump Station. DCC project 11W009.
Project Justification	This project will provide another water source to the Murrayville and Brookswood water systems, increasing capacity and redundancy.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	1,500	174,390	-	-	-
Development Cost Charges(DCCs)	-	148,500	1,325,610	-	-	-
Total Funded	-	150,000	1,500,000	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	48018	0	0

Operating Impact Detail: 1400 lm of watermain and 1 booster station. OBI needs to be directed to WMO-01 and WBSO-01 - see 2019 Capital OBI Calc spreadsheet for details

Township of Langley
Capital Project Description

ProjectID EN212 Department Water Project Manager Larsen, Kevin

ProjectTitle Unidentified Externally Funded Projects

WorkBreakDown WTR1106-01 Category WTRADMN Project Priority Ranking NA

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Carry Forward Amt	-					
Total Project Cost	-	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000

Project Description	Externally funded projects not included in budget.
Project Justification	To provide budget for externally funded capital projects not budgeted for in the Sewer fund.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Others	-	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Total Funded	-	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN189 Department Water Project Manager Parenteau, MiKe

ProjectTitle Vehicle: Water Portion of a 5 way split

WorkBreakDown NEW Category WTRFLT Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		8,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	8,000	-	-	-	-

Project Description

Vehicle for Service Enhancement request for BC One Call Infrastructure Asset Tech approved for 2018 budget. Funding request in Water, Sewer, Stormwater, Transportation and Parks.

Project Justification

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		8,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1095 Department Water Project Manager Parenteau, MiKe

ProjectTitle Vehicle: Engineering Services (4 way split)

WorkBreakDown NEW Category WTRADMN Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		10,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	10,000	-	-	-	-

Project Description

New vehicle for engineering services to allow staff to complete their field duties.

Project Justification

Staff are currently sharing vehicles within the department and approximately 1-2 times per week are encountering situations where vehicles are not available for use. A calendar is set up for booking of vehicles in advance, however there is just not enough vehicles available. This delays the field work and increases response times for inspections and responses to residents.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		10,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN230 Department Water Project Manager Parenteau, MiKe

ProjectTitle Vehicle: Utilities Van

WorkBreakDown NEW Category WTRADMN Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		68,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	68,000	-	-	-	-

Project Description

Outfitted Van for Water Department.

Project Justification

The work in the department has increased every year to the point where a temporary position has been upgraded to a permanent position. The partial year vehicle requirements were previously met by using a rental vehicle, but with the work load increasing to require a full time person it makes economic sense to purchase a vehicle as opposed to renting. If a vehicle is not purchased the need will be met at greater cost by continuing to rent.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		68,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN197 Department Water Project Manager McCormick, David

ProjectTitle Trunk Watermain Upgrade Design & Construction: 56 Ave

WorkBreakDown NEW Category WTRMTNK Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		125,000	1,250,000	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	125,000	1,250,000	-	-	-

Project Description: Complete the twinning of existing water main to trunk - 600 mm water main on 56 Avenue from 250 Street to Gloucester Way.

Project Justification: As a result of East Langley Water Supply project, increased capacity will be required to transmit adequate water supply and to meet projected demands from growth in East Langley.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	-	-	93,144	-	-	-
Total Funded	-	-	93,144	-	-	-
Unfunded		125,000	1,156,856	-	-	-
*Estimated Annual Operating Impact		0	0	13534	0	0

Operating Impact Detail: 3200 lm of watermain

Funding Status	Department Name	Ranking	ProjectTitle	ProjectID	Total	Capital Surplus and Reserves	Development Cost	Operating Revenue	Others	Unfunded
Inside	Sanitary Sewer	Critical	Forcemain Bypass: Glover Road, Smith to Maxwell	EN1070	180,000	47,000		133,000		-
Inside	Sanitary Sewer	Critical	Permit Software	EN1077	43,750	43,750				-
Inside	Sanitary Sewer	High	Annual Sewer Infrastructure Replacement	EN452	500,000	500,000				-
Inside	Sanitary Sewer	High	Annual Sanitary Lift Station Upgrades	EN450	500,000	500,000				-
Inside	Sanitary Sewer	High	Annual System Inflow & Infiltration	EN462	200,000	200,000				-
Inside	Sanitary Sewer	High	Repairs and Improvements: Operations Centre	EN456	100,000	100,000				-
Inside	Sanitary Sewer	High	Operations Centre: Wash Bay Improvements	EN484	125,000	125,000				-
Inside	Sanitary Sewer	High	Sanitary Sewer Pump Station PLC Replacement: Various Locations	EN478	135,000	24,604		110,396		-
Inside	Sanitary Sewer	High	Annual Power Outage Mitigation - Emergency Power	EN458	150,000	150,000		-		-
Inside	Sanitary Sewer	High	System Upgrade: SCADA (Supervisory Control and Data Acquisition)	EN457	200,000	200,000				-
Inside	Sanitary Sewer	High	Operations Centre: Air Handling Unit Upgrade	EN1128	37,500	37,500				-
Inside	Sanitary Sewer	High	Asset Management Software	EN900	50,000	50,000				-
Inside	Sanitary Sewer	High	Annual Non-DCC Development Coordinated Sanitary Sewer Works	EN460	300,000	300,000				-
Inside	Sanitary Sewer	High	Annual DCC Sanitary Sewer Projects	EN441	350,000	3,500	346,500			-
Inside	Sanitary Sewer	High	West Langley Hall: Wet Well Replacement	EN179	50,000	50,000				-
Inside	Sanitary Sewer	High	Annual Local Area Service (LAS) Program - Sewer	EN459	1,000,000	1,000,000				-
Inside	Sanitary Sewer	High	Shoring Safety Equipment Replacement	EN1071	25,000	25,000				-
Inside	Sanitary Sewer	Medium	Vehicle: Sewer Portion of a 2 way split	EN486	20,000	20,000				-
Inside	Sanitary Sewer	Medium	Vehicle: Backhoe (50/50 with Water Fund)	EN464	90,000	90,000				-
Inside Total	Sanitary Sewer				**4,056,250**	**3,466,354**	**346,500**	**243,396**	**-**	**-**
Placeholder	Sanitary Sewer	NA	Unidentified Externally Funded Projects	EN468	1,000,000				1,000,000	-
Placeholder Total	Sanitary Sewer				**1,000,000**	**-**	**-**	**-**	**1,000,000**	**-**
Outside	Sanitary Sewer	Medium	Vehicle: Sewer Portion of a 5 way split	EN485	8,000					8,000
Outside	Sanitary Sewer	Medium	Vehicle: Engineering Services	EN1097	10,000					10,000
Outside	Sanitary Sewer	Medium	Various Facilities: Lift Station Roofing Replacement	EN1109	150,000					150,000
Outside	Sanitary Sewer	Medium	Vehicle: Utilities Van	EN479	68,000					68,000
Outside	Sanitary Sewer	Medium	Service Truck Replacement Upgrade: 676-V052	EN1159	100,000					100,000
Outside Total	Sanitary Sewer				**336,000**	**-**	**-**	**-**	**-**	**336,000**
	Sanitary Sewer Total				**5,392,250**	**3,466,354**	**346,500**	**243,396**	**1,000,000**	**336,000**

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Township of Langley
Capital Project Description

ProjectID EN1070 Department Sanitary Sewer Project Manager Sunada, Victor

ProjectTitle Forcemain Bypass: Glover Road, Smith to Maxwell

WorkBreakDown NEW Category SWRMAIN Project Priority Ranking **Critical**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		180,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	180,000	-	-	-	-

Project Description

Design and construct 76 Ave Lift Station forcemain bypass.

Project Justification

The Glover Road Forcemain Analysis Report identified several gravity sewers in the Milner neighbourhood being undersized. A bypass of the forcemain from the 76 Avenue Lift Station downstream of the surcharged sewers is required to eliminate the sewer capacity deficiencies and potential of sewer backup into connections.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	47,000	-	-	-	-
Operating Revenue	-	133,000	-	-	-	-
Total Funded	-	180,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1077 Department Sanitary Sewer Project Manager Heichert, Denise

ProjectTitle Permit Software

WorkBreakDown NEW Category ADMIN Project Priority Ranking **Critical**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		43,750	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	43,750	-	-	-	-

Project Description

To implement a permit application software tool that will allow requests on the ToL website, providing convenience to our customers and reducing the amount of staff time required to set up applications in the system for a variety of building, engineering (water, sewer & stormwater), plumbing and burning permits. This funding will purchase the software licence and provide funding to convert 4 permits.

Project Justification

The new software aligns with the Township's eGovernment strategy and allows applicants to submit a variety of permit applications through an on line platform. This will ultimately provide convenience for our customers with a 24/7 permit intake process and improved communication throughout the permitting process. Funding is requested from General Revenue, Water, Sewer, and Stormwater.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	43,750	-	-	-	-
Total Funded	-	43,750	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN452 Department Sanitary Sewer Project Manager Babcock, Wyatt

ProjectTitle Annual Sewer Infrastructure Replacement

WorkBreakDown SWR1029-01 Category SWRMAIN Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		500,000	500,000	500,000	500,000	500,000
Carry Forward Amt	-					
Total Project Cost	-	500,000	500,000	500,000	500,000	500,000

Project Description	ANNUAL TOP-UP FUNDING ONLY. This is an annual capital project which seeks funding to replace / repair various sewer infrastructure including gravity mains, force mains, air valves, manholes, etc.
Project Justification	As infrastructure ages, replacement is necessary to ensure residents are serviced adequately. Replace existing deteriorated / damaged infrastructure to maintain the integrity of the stormwater system and to prevent failures.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	500,000	-	-	-	-
Operating Revenue	-	-	243,396	-	-	-
Total Funded	-	500,000	243,396	-	-	-
Unfunded		-	256,604	500,000	500,000	500,000
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN450 Department Sanitary Sewer Project Manager Babcock, Wyatt

ProjectTitle Annual Sanitary Lift Station Upgrades

WorkBreakDown SWR1028-01 Category SWRLSTN Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		500,000	500,000	500,000	500,000	500,000
Carry Forward Amt	-					
Total Project Cost	-	500,000	500,000	500,000	500,000	500,000

Project Description

ANNUAL TOP-UP FUNDING ONLY. This is an annual capital project that seeks funding to complete miscellaneous sanitary pump station upgrades as identified through a consultant assessment report. This work includes installation of flow meters, bypass pump facilities, electrical / control upgrades, wetwell upgrades, site upgrades, etc.

Project Justification

To keep pump stations up to current standards.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	500,000	-	-	-	-
Operating Revenue	-	-	-	243,396	-	-
Total Funded	-	500,000	-	243,396	-	-
Unfunded		-	500,000	256,604	500,000	500,000
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN462 Department Sanitary Sewer Project Manager Babcock, Wyatt

ProjectTitle Annual System Inflow & Infiltration

WorkBreakDown SWR1073-01 Category SWRADMN Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		200,000	200,000	200,000	200,000	200,000
Carry Forward Amt	-					
Total Project Cost	-	200,000	200,000	200,000	200,000	200,000

Project Description

ANNUAL TOP-UP FUNDING ONLY. This is an annual capital project that seeks funding to reduce the levels of inflow and infiltration into the sanitary sewer system by on-site repairs, main replacement, service repairs, chemical grouting, and manhole repairs to the Township's existing 320kms of pipe. Based on Closed Circuit Television (CCTV) of approximately 20 kms of pipe each year. Works are completed as required.

Project Justification

The Township is committed under the Liquid Waste Management Plan (LWMP) to have an annual program to reduce the levels of inflow and infiltration into the sanitary sewer system. Failure to comply with the LWMP requirements will put the Township in the position of facing fines and penalties for non-compliance. These fines and penalties can be significant.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	200,000	-	-	-	-
Total Funded	-	200,000	-	-	-	-
Unfunded		-	200,000	200,000	200,000	200,000
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN456 Department Sanitary Sewer Project Manager Chohan, Harbinder

ProjectTitle Repairs and Improvements: Operations Centre

WorkBreakDown SWR1099-01 Category SWRSTRC Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		100,000	-	-	-	-
Carry Forward Amt	70,726					
Total Project Cost	70,726	100,000	-	-	-	-

Project Description

The Operations Centre is 20 years old and there are many improvements and repairs that need to be done to the building and the site/yard. This funding will be utilized for electrical/mechanical upgrades, interior improvements, secondary gate, curtain wall repairs, additional parking , etc.

Project Justification

To improve space utilization, increase capacity, replace aging equipment and infrastructure, provide additional storage, etc. The consequences are inefficient use of site, capacity issues, safety, etc.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	100,000	-	-	-	-
Operating Revenue	-	-	-	-	-	-
Total Funded	-	100,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN484 Department Sanitary Sewer Project Manager Ardestani, Farzad

ProjectTitle Operations Centre: Wash Bay Improvements

WorkBreakDown NEW Category SWRADMN Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		125,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	125,000	-	-	-	-

Project Description	Some of the components of the wash bay at the Operations Centre have passed their service life and require replacement. Further, new systems are recommended to meet current safety standards and improve the functionality of the wash bay. Funding is required to proceed with the design, supply and installation of improvements and replacements.
Project Justification	Safety risk and limitations on functionality of the wash bay (unable to access the back of tandem trucks because no fall protection exists), continued deterioration of the accessory building, and increased maintenance costs.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	125,000	-	-	-	-
Total Funded	-	125,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN478 Department Sanitary Sewer Project Manager Babcock, Wyatt

ProjectTitle Sanitary Sewer Pump Station PLC Replacement: Various Locations

WorkBreakDown SWR1112-01 Category SWRLSTN Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		135,000	-	-	-	-
Carry Forward Amt	135,000					
Total Project Cost	135,000	135,000	-	-	-	-

Project Description	Replacement of programmable logic controllers in pump station motor control centres.
Project Justification	The programmable logic controllers currently in use are no longer a supported product meaning spare parts will be become unavailable and the programing software will become obsolete. Should a PLC fail it will render the pump station nonoperational except by manually running the pumps; this could affect service and potentially result in environmental damage.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	24,604	-	-	-	-
Operating Revenue	-	110,396	-	-	-	-
Total Funded	-	135,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN458 Department Sanitary Sewer Project Manager Babcock, Wyatt

ProjectTitle Annual Power Outage Mitigation - Emergency Power

WorkBreakDown SWR1047-01 Category SWRPOWR Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		150,000	150,000	150,000	150,000	150,000
Carry Forward Amt	-					
Total Project Cost	-	150,000	150,000	150,000	150,000	150,000

Project Description	ANNUAL TOP-UP FUNDING ONLY. This is an annual capital project that seeks funding to to replace aging generators.
Project Justification	To provide for emergency power (generators) for Township's 26 sanitary lift stations by replacing aging equipment that is required to ensure continued service. Currently, some lift station locations do not have backup/emergency power generators. This equipment is required to reduce and/or prevent health and environmental concerns. Should there be a lift station power failure, provincial and federal fines could be imposed.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	150,000	-	-	-	-
Operating Revenue	-	-	-	-	-	150,000
Total Funded	-	150,000	-	-	-	150,000
Unfunded		-	150,000	150,000	150,000	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN457 Department Sanitary Sewer Project Manager Babcock, Wyatt

ProjectTitle System Upgrade: SCADA (Supervisory Control and Data Acquisition)

WorkBreakDown SWR1019-01 Category SWRSCDA Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		200,000	-	-	-	-
Carry Forward Amt	15,388					
Total Project Cost	15,388	200,000	-	-	-	-

Project Description	Works for 2019 include SCADA server replacement/virtualization, redundant server implementation and radio communication system expansion.
Project Justification	It is imperative that we have functioning SCADA at our sites especially during after hours in order for us to respond to and mitigate any events that arise. We need to make sure we can collect our waste water and prevent it from backing up and overflowing and respond quickly to mitigate any main breaks. If a major event affects these types of conditions, the Township can face punitive action from Fraser Health, Environment Canada and other government agencies, and depending on the severity and response time to mitigate these events, the punitive action may also come with a significant fine.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	200,000	-	-	-	-
Total Funded	-	200,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1128 Department Sanitary Sewer Project Manager Ardestani, Farzad

ProjectTitle Operations Centre: Air Handling Unit Upgrade

WorkBreakDown NEW Category FACHVAC Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		37,500	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	37,500	-	-	-	-

Project Description

The Utilities shop area is conditioned by an air conditioning unit that was sized when the building was originally built. Since then, various space modifications have been completed to place additional staff in this area. However, the air conditioning system has not been upgraded accordingly. The existing system is small for the current cooling load and is incapable of heating. Also, the unit was built in 1995 and has well passed its expected service life.

Project Justification

The existing unit has passed its expected useful life. The existing system does not provide thermal comfort required by BC Building code for the offices in this area. If the project is not completed there will be additional impacts to operating budgets to perform repairs on the existing unit.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	37,500	-	-	-	-
Total Funded	-	37,500	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN900 Department Sanitary Sewer Project Manager Bismel, Hakim

ProjectTitle Asset Management Software (5 Way Split)

WorkBreakDown NEW Category SWRADMN Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		50,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	50,000	-	-	-	-

Project Description

As the number of Township infrastructure assets continue to grow, it is important that staff find ways to be more efficient and effective to meet long term asset management goals. This project proposes to replace the current Public Works service request/work order software with a new program that better aligns with the Township's eGovernment strategy. Funding is proposed to be split 5 ways between Water, Sewer, Storm, Transportation and Parks.

Building on existing technology investments, the proposed enhancements will improve system interoperability including a direct integration with the Township's eGovernment platform to improve customer experience, deliver important mobility tools to outside workers to improve efficiency, and leverage the power of the Township's existing enterprise GIS system to provide important decision-making and asset management tools.

Project Justification

Not proceeding with implementation of new software will result in higher long term operating costs to utilize the mobility tools delivered through the existing system as well as higher costs for licensing as the new software has a more flexible population based model, rather than user-based. The new software aligns with the Township's eGovernment platform, ultimately resulting in improved online capabilities and an improved customer experience related to service requests.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	50,000	-	-	-	-
Total Funded	-	50,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN460 Department Sanitary Sewer Project Manager Larsen, Kevin

ProjectTitle Annual Non-DCC Development Coordinated Sanitary Sewer Works

WorkBreakDown SWR1067-01 Category SWRMAIN Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		300,000	300,000	300,000	300,000	300,000
Carry Forward Amt	-					
Total Project Cost	-	300,000	300,000	300,000	300,000	300,000

Project Description

TOP-UP FUNDING REQUEST ONLY. This is an annual capital project that seeks funding required for works, including sewer infrastructure upsizing.

Project Justification

As per policy 05-739, Township may cost share with developer/applicant for extra sewer main capacity where it is deemed to be of benefit to the Township.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	300,000	-	-	-	-
Total Funded	-	300,000	-	-	-	-
Unfunded		-	300,000	300,000	300,000	300,000
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN441 Department Sanitary Sewer Project Manager Larsen, Kevin

ProjectTitle Annual DCC Sanitary Sewer Projects

WorkBreakDown SWR1000-01 Category SWRMAIN Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		350,000	350,000	350,000	350,000	350,000
Carry Forward Amt	-					
Total Project Cost	-	350,000	350,000	350,000	350,000	350,000

Project Description

TOP-UP FUNDING REQUEST ONLY. This is an annual capital project that seeks funding required for design and construction of miscellaneous DCC sewer projects (includes contribution to base works, sewer works fronting parks and schools) prior to development.

Project Justification

Required to allow the advancement of some DCC projects in advance of development.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	3,500	3,500	3,500	3,500	3,500
Development Cost Charges(DCCs)	-	346,500	346,500	346,500	346,500	346,500
Total Funded	-	350,000	350,000	350,000	350,000	350,000
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN179 Department Sanitary Sewer Project Manager Ardestani, Farzad

ProjectTitle West Langley Hall: Wet Well Replacement

WorkBreakDown NEW Category SWRADMN Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		50,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	50,000	-	-	-	-

Project Description	Removal of the existing wet well and installation of a new wet well. The existing wet well is in extremely poor condition and there is only one remaining functional pump.
Project Justification	Failure of the remaining pump will require emergency external pumping until a new pump is installed. The concern is that the rails are extremely corroded and will fall apart when the pump is removed.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	50,000	-	-	-	-
Total Funded	-	50,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN459 Department Sanitary Sewer Project Manager Welfing, Richard

ProjectTitle Annual Local Area Service (LAS) Program - Sewer

WorkBreakDown SWR1031-01 Category SWRMAIN Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Carry Forward Amt	-					
Total Project Cost	-	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000

Project Description

TOP-UP FUNDING REQUEST ONLY. This is an annual capital project that seeks funding to cover costs for potential sewer projects under the Local Area Service program. Through a Local Area Service, property owners who want to conduct neighbourhood improvements such as sewer petition Council, asking for the Township to undertake the work. The cost of providing the service is recovered through a local service tax placed on all the property owners in the area.

Project Justification

Council policy has been to encourage extension of sanitary sewer mains by local service area improvements. The Township renders approximately one project every two years.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Total Funded	-	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1071 Department Sanitary Sewer Project Manager Ruhl, Aaron

ProjectTitle Shoring Safety Equipment Replacement

WorkBreakDown NEW Category SWRADMN Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		25,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	25,000	-	-	-	-

Project Description

Two of three hydraulic shoring cages are 25+ years old and are nearing the end of their useful life. These shoring cages are critical to staff safety and used daily when excavating to work on the Township's underground utility infrastructure including water and sanitary systems. It is proposed to purchase two new sets of shoring to replace the existing cages before they are no longer usable.

Project Justification

The two shoring cages are nearing the end of their useful life and having the cages unexpectedly out of service would affect the Township's ability to complete daily work and repairs to critical underground utility infrastructure. Not having safe and operable shoring could also result in longer out of service times for our utility customer during emergency repairs.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	25,000	-	-	-	-
Total Funded	-	25,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN486 Department Sanitary Sewer Project Manager Parenteau, MiKe

ProjectTitle Vehicle: Sewer Portion of a 2 way split

WorkBreakDown NEW Category SWRADMN Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		20,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	20,000	-	-	-	-

Project Description	Vehicle for Process Automation Technician. Funding requested in Water/Sewer
Project Justification	The field work of this position has increased every year. With the work load increasing it makes economic sense to purchase a vehicle as opposed to renting. If a vehicle is not purchased the need will be met at greater cost by renting.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	20,000	-	-	-	-
Total Funded	-	20,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN464 Department Sanitary Sewer Project Manager Parenteau, MiKe

ProjectTitle Vehicle: Backhoe (50/50 with Water Fund)

WorkBreakDown NEW Category SWRADMN Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		90,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	90,000	-	-	-	-

Project Description	This request is for the backhoe required by the Water and Sewer Construction crew to excavate construction sites.
Project Justification	Service levels will not be met.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	90,000	-	-	-	-
Total Funded	-	90,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN468 Department Sanitary Sewer Project Manager Larsen, Kevin

ProjectTitle Unidentified Externally Funded Projects

WorkBreakDown SWR1054-01 Category SWRADMN Project Priority Ranking NA

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Carry Forward Amt	-					
Total Project Cost	-	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000

Project Description	Externally funded projects not in budget.
Project Justification	To provide budget for externally funded capital projects not budgeted for in the Sewer fund.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Others	-	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Total Funded	-	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN485 Department Sanitary Sewer Project Manager Parenteau, MiKe

ProjectTitle Vehicle: Sewer Portion of a 5 way split

WorkBreakDown NEW Category SWRADMN Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		8,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	8,000	-	-	-	-

Project Description	Vehicle for Service Enhancement request for BC One Call Infrastructure Asset Tech. Funding request in Water, Sewer, Stormwater, Transportation and Parks.
Project Justification	

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	-	-	-	-	-	-
Total Funded	-	-	-	-	-	-
Unfunded		8,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1097 Department Sanitary Sewer Project Manager Parenteau, MiKe

ProjectTitle Vehicle: Engineering Services (4 way split)

WorkBreakDown NEW Category SWRADMN Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		10,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	10,000	-	-	-	-

Project Description

New vehicle for engineering services to allow staff to complete their field duties.

Project Justification

Staff are currently sharing vehicles within the department and approximately 1-2 times per week are encountering situations where vehicles are not available for use. A calendar is set up for booking of vehicles in advance, however there is just not enough vehicles available. This delays the field work and increases response times for inspections and responses to residents.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		10,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1109 Department Sanitary Sewer Project Manager Ardestani, Farzad

ProjectTitle Various Facilities: Lift Station Roofing Replacement

WorkBreakDown NEW Category FACROOF Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		150,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	150,000	-	-	-	-

Project Description	Various lift stations have been identified as requiring a new roof assembly due to age and deterioration of the existing systems, where repairs and maintenance are no longer a cost effective or feasible option. Projects for 2019 include the 28 Avenue Sewer Lift Station, Murrayville Reservoir Lift Station, and the 216 St. Sewer Lift Station.
Project Justification	Failure to replace the roofing can result in damage to the building structure, as well as any equipment and interior finishes located inside the structure.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		150,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN479 Department Sanitary Sewer Project Manager Parenteau, MiKe

ProjectTitle Vehicle: Utilities Van

WorkBreakDown NEW Category SWRADMN Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		68,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	68,000	-	-	-	-

Project Description: Outfitted Van for Sanitary Sewer Department.

Project Justification: The work in the department has increased every year to the point where a temporary position has been upgraded to a permanent position. The partial year vehicle requirements were previously met by using a rental vehicle, but with the work load increasing to require a full time person it makes economic sense to purchase a vehicle as opposed to renting. If a vehicle is not purchased the need will be met at greater cost by continuing to rent.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		68,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1159 Department Sanitary Sewer Project Manager Parenteau, MiKe

ProjectTitle Service Truck Replacement Upgrade: 676-V052

WorkBreakDown NEW Category FLTTRKF Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		100,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	100,000	-	-	-	-

Project Description

Replacement and upgrading of Unit 676, a sanitary sewer department crane truck, to the size and crane ability to lift and work with the larger sanitary sewage pumps and motors.

Project Justification

Unit 676 does not have the capability to lift and work with the larger sanitary sewage pumps and motors. The number of these larger pumps and motors has increased as the Township grows. Unit 676 is scheduled for replacement, it makes sense to replace it with a vehicle that has the capability to lift and work with the larger sanitary sewage pumps and motors. Failure to upsize the vehicle and crane will result in hiring contracted vehicles to carry out this work while our staff are still utilizing the smaller vehicle, thus doubling costs.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		100,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

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Funding Status	Department Name	Ranking	ProjectTitle	ProjectID	Total	Operating Revenue	Others
Inside	Solid Waste	High	Collection Carts	EN492	145,000		145,000
Inside	Solid Waste	High	Annual Equipment Replacement	EN493	50,000	50,000	
Inside Total	Solid Waste				**195,000**	**50,000**	**145,000**
	Solid Waste Total				**195,000**	**50,000**	**145,000**

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Township of Langley
Capital Project Description

ProjectID EN492 Department Solid Waste Project Manager Schmidt, Ryan

ProjectTitle Collection Carts

WorkBreakDown SWC1000-01 Category SWCOLLECT Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		145,000	145,000	145,000	145,000	145,000
Carry Forward Amt	140,990					
Total Project Cost	140,990	145,000	145,000	145,000	145,000	145,000

Project Description

Annual purchase and delivery of roughly 4,000 wheeled collection carts (2,000 garbage carts and 2,000 organics carts) for new residents in solid waste collection areas receiving municipal garbage and organics collection and existing townhome complexes that choose to transition to municipal collection.

Project Justification

On July 20, 2015, Council approved staff's recommendation to transition from manual to cart-based garbage and organics collection including the provision of two carts to each resident that receives municipal waste collection; one for garbage and one for organics. New carts are required to support growth and replacement of damaged and/or stolen carts.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Others	-	145,000	145,000	145,000	145,000	145,000
Total Funded	-	145,000	145,000	145,000	145,000	145,000
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail: Already included in Target Model thru Contract Projection / New Growth.

Township of Langley
Capital Project Description

ProjectID EN493 Department Solid Waste Project Manager Schmidt, Ryan

ProjectTitle Annual Equipment Replacement

WorkBreakDown SWC1002-01 Category SWMISC Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		50,000	50,000	50,000	50,000	50,000
Carry Forward Amt	-					
Total Project Cost	-	50,000	50,000	50,000	50,000	50,000

Project Description

ANNUAL TOP-UP FUNDING ONLY. This is an annual capital project that seeks funding to replace items such as RFID scanner, GPS for waste disposal trucks, cart replacements, etc.

Project Justification

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	-	50,000	50,000	50,000	50,000	50,000
Total Funded	-	50,000	50,000	50,000	50,000	50,000
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Funding Status	Department Name	Ranking	ProjectTitle	ProjectID	Total	Capital Surplus and Reserves	Development Cost	Operating Revenue	Others	Prior Year's Surplus	Unfunded
Inside	Parks	Critical	Fort to Fort Trail: Viewing Platform Replacement	PKS1029	90,000			90,000			-
Inside	Parks	Critical	Philip Jackman Park Spray Park Upgrade	PKS649	331,000			331,000			-
Inside	Parks	Critical	Jericho Reservoir View Park	PKS566	950,000			501,400		448,600	-
Inside	Parks	Critical	Parks Playground Equipment Repl.	PKS579	160,000			160,000			-
Inside	Parks	Critical	McClughan Park: Bridge Repairs	PKS1031	15,000			15,000			-
Inside	Parks	Critical	James Kennedy Trail: Trip Hazard Repairs	PKS1044	30,000			30,000			-
Inside	Parks	Critical	West Munday Creek Trail: Trip Hazard Repairs	PKS1043	34,000			34,000			-
Inside	Parks	Critical	Walnut Grove Trail: Trip Hazard Repairs	PKS1046	18,000			18,000			-
Inside	Parks	Critical	Telegraph Trail: Trip Hazard Repairs	PKS1042	17,000			17,000			-
Inside	Parks	Critical	East Brookswood Park: Pathway Replacement - West Side	PKS1038	15,000			15,000			-
Inside	Parks	Critical	Willoughby Area Park Infrastructure Improvements	PKS552	1,439,956		1,000,000	400,000	39,956		-
Inside	Parks	Critical	Milaster Passive Park Design	PKS658	86,000		50,000	36,000			-
Inside	Parks	Critical	WCP Park Repair, Improvement, and Enhancement	PKS1028	3,600,000				3,600,000		-
Inside	Parks	High	Derek Doubleday Arboretum Construction	PKS557	300,000		150,000	150,000			-
Inside	Parks	High	Salmon River Natural Area: Viewing Platform Repairs	PKS1030	35,000			35,000			-
Inside	Parks	High	Neighbourhood Initiative Program	PKS576	20,000		5,000	15,000			-
Inside	Parks	High	South Langley Regional Trail	PKS659	100,000	30,000	50,000	12,500	7,500		-
Inside	Parks	High	Asset Management Software	PKS648	50,000	50,000					-
Inside	Parks	High	Trails Planning & Development	PKS589	125,000	125,000					-
Inside	Parks	High	Street Tree Planting from Non Refundable Deposits	PKS590	100,000				100,000		-
Inside	Parks	High	Routley Neighbourhood Park Dog Off-Leash	PKS597	75,541				75,541		-
Inside	Parks	High	Tree Planting Program	PKS613	180,000				180,000		-
Inside	Parks	High	Urban Forest Management Plan	PKS602	150,000				150,000		-
Inside	Parks	High	Nicomekl River Trail to MAP	PKS588	100,000		100,000				-
Inside	Parks	High	Willoughby Community Bike Park Design and Construction	PKS641	100,000		100,000				-
Inside	Parks	Medium	Jackman Wetlands Development	PKS561	60,000		60,000				-
Inside	Parks	Medium	SW Gordon Estates Park Development	PKS583	12,221				12,221		-
Inside	Parks	Medium	Development Cost Charges & Related Resourcing	PKS601	201,000		201,000				-
Inside	Parks	Medium	Alex Hope Park Trail to 216th Street Interchange	PKS630	130,000		130,000				-
Inside	Parks	Low	George E Ross Park Improvements	PKS612	50,000		50,000				-
Inside	Parks	Pre. App.	Glen Valley Foreshore	PKS554	130,000					130,000	-
Inside Total	Parks				**8,704,718**	**205,000**	**1,896,000**	**1,859,900**	**4,165,218**	**578,600**	**-**
Placeholder	Parks	NA	Park Land Property Acquisition	PKS614	20,000,000	7,000,000	13,000,000		-		-
Placeholder	Parks	NA	Unidentified Externally Funded Projects	PKS615	1,000,000				1,000,000		-
Placeholder Total	Parks				**21,000,000**	**7,000,000**	**13,000,000**	**-**	**1,000,000**	**-**	**-**
Outside	Parks	High	SW Yorkson Neighbourhood Park	PKS570	1,020,000		400,000				620,000
Outside	Parks	High	Alex Hope North Field Drainage	PKS639	100,000						100,000
Outside	Parks	High	Repairs and Improvements: Operations Centre	PKS636	100,000						100,000
Outside	Parks	High	Langley Lawn Cemetery: Green Burial Design and Construction	PKS1039	200,000						200,000
Outside	Parks	High	Fort to Fort Trail: Freshet Mitigation	PKS1035	220,000						220,000
Outside	Parks	High	McLeod Athletic Park Arrival Point & Plaza	PKS567	1,900,000						1,900,000
Outside	Parks	Medium	Milner Park: Parking Lot	PKS1034	95,000						95,000
Outside	Parks	Medium	Hudson Bay Park Improvements	PKS611	100,000		70,000				30,000
Outside	Parks	Medium	Pick Up Truck Vehicle (Parks Utility Worker - Playgrounds)	PKS621	50,000						50,000
Outside	Parks	Medium	Walnut Grove Skateboard Park Lighting	PKS631	80,000						80,000

Funding Status	Department Name	Ranking	ProjectTitle	ProjectID	Total	Capital Surplus and Reserves	Development Cost	Operating Revenue	Others	Prior Year's Surplus	Unfunded
Outside	Parks	Medium	Vehicle: Parks Portion of a 5 way split	PKS664	8,000						8,000
Outside	Parks	Low	Miscellaneous Capital Projects	PKS565	75,000						75,000
Outside	Parks	Low	McLeod Park Javelin Area Irrigation	PKS643	63,390						63,390
Outside	Parks	Pre. App.	MAP Track & Field Improvements	PKS998	1,850,000						1,850,000
Outside Total	Parks				**5,861,390**	**-**	**470,000**	**-**	**-**	**-**	**5,391,390**
	Parks Total				**35,566,108**	**7,205,000**	**15,366,000**	**1,859,900**	**5,165,218**	**578,600**	**5,391,390**

Township of Langley
Capital Project Description

ProjectID PKS1029 Department Parks Project Manager Neufeld, Allan

ProjectTitle Fort to Fort Trail: Viewing Platform Replacement

WorkBreakDown NEW Category PRKOPS Project Priority Ranking **Critical**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		90,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	90,000	-	-	-	-

Project Description	Replacement of the viewing deck on the Fort to Fort Trail overlooking Bedford Channel. This project involves emergency removal of existing deck deemed hazardous in 2018 and reconstruction of a new viewing deck in 2019.
Project Justification	Existing viewing platform was built on old pilings in 2006. These support pilings are showing signs of rot. Recent acts of vandalism, including a fire, have resulted in the closure of this deck and concerns for structural stability. Removal of old deck to be started in 2018 will eliminate the hazard. A replacement deck in 2019 would utilize new foundations and a small footprint to provide perspective out over the Bedford Channel along the Fort to Fort Trail.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	-	90,000	-	-	-	-
Total Funded	-	90,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID PKS649 Department Parks Project Manager Neufeld, Allan

ProjectTitle Philip Jackman Park Spray Park Upgrade

WorkBreakDown PJP1003-01 Category PRKDEV Project Priority Ranking **Critical**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		331,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	331,000	-	-	-	-

Project Description	Ongoing Spray Park upgrading program. In 2018 started process of redesigning existing spray park at Philip Jackman Park over two years with expansion into old pool area in year one.
Project Justification	Existing spray parks need to be upgraded. Philip Jackman site retrofit started in 2018 with phase 2 expected in 2019. Given more recent design and water conservation technologies the upgrades will be environmentally beneficial and provide increased user satisfaction. Provision of free alternative to new ACUCC facility in Aldergrove.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	-	331,000	-	-	-	-
Total Funded	-	331,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID PKS566 Department Parks Project Manager Neufeld, Allan

ProjectTitle Jericho Reservoir View Park

WorkBreakDown NEW Category PRKDEV Project Priority Ranking **Critical**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		950,000	1,000,000	1,000,000	-	-
Carry Forward Amt	-					
Total Project Cost	-	950,000	1,000,000	1,000,000	-	-

Project Description

The construction of a publicly accessible view park on the roof of the expanded water reservoir building in the Smith Neighbourhood of Willoughby. Roof top park to include tennis courts, pickleball courts, seating areas, shade structures, interpretive signage, contemplative labrynth patterns, public parking, accessible ramps and landscape areas.

Project Justification

The site is one of the highest elevations in Langley and will provide sweeping views over the southern part of Langley from approximatley 74th Ave and 204th Street location. Phase One is the GVRD obtained tender costs related to the park access and safety features of railings and exit stairs covered in current contract and building permit. These are park development items.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Prior Year's Surplus	-	448,600	-	-	-	-
Operating Revenue	-	501,400	-	-	-	-
Total Funded	-	950,000	-	-	-	-
Unfunded		-	1,000,000	1,000,000	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID PKS579 Department Parks Project Manager Neufeld, Allan

ProjectTitle Parks Playground Equipment Repl.

WorkBreakDown PKSP1012-01 Category PRKDEV Project Priority Ranking **Critical**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		160,000	160,000	180,000	200,000	200,000
Carry Forward Amt	157,267					
Total Project Cost	157,267	160,000	160,000	180,000	200,000	200,000

Project Description

Ongoing program to replace and upgrade existing children's play equipment in parks. Upgrades necessary to provide safe play experiences for children. For 2019 upgrade Brown Park and Willowbrook Park play equipment.

Project Justification

Program to replace old and outdated pressure treated wood structure play equipment with new metal frame designs. Improve accessibility for play area by removing pea gravel and adding engineered wood chip surface.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	160,000	160,000	160,000	80,000	200,000	-
Total Funded	160,000	160,000	160,000	80,000	200,000	-
Unfunded		-	-	100,000	-	200,000
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID PKS1031 Department Parks Project Manager Neufeld, Allan

ProjectTitle McClughan Park: Bridge Repairs

WorkBreakDown NEW Category PRKADMN Project Priority Ranking **Critical**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		15,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	15,000	-	-	-	-

Project Description	Replacement of some of the support posts for the elevated bridge crossing Yorkson Creek at McClughan Park.
Project Justification	The crossing provides access for pedestrians between east and west Walnut Grove on the comprehensive trail system. A number of the main supports are rotting and need replacement to extend the life of the bridge. Not keeping the bridge in good repair will put pedestrians at risk and will result in closing off a major connection point.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	-	15,000	-	-	-	-
Total Funded	-	15,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID PKS1044 Department Parks Project Manager Neufeld, Allan

ProjectTitle James Kennedy Trail: Trip Hazard Repairs

WorkBreakDown NEW Category PRKADMN Project Priority Ranking **Critical**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		30,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	30,000	-	-	-	-

Project Description	Remove and replace approximately 600m of James Kennedy Trail asphalt surface.
Project Justification	The trail is worn and uneven resulting in water pooling and trip hazards. It is a major connection to the James Kennedy Elementary School and not replacing it could result in trip hazard injury.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	-	30,000	-	-	-	-
Total Funded	-	30,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID PKS1043 Department Parks Project Manager Neufeld, Allan

ProjectTitle West Munday Creek Trail: Trip Hazard Repairs

WorkBreakDown New Category PRKADMN Project Priority Ranking **Critical**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		34,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	34,000	-	-	-	-

Project Description	West Munday Creek Trail requires repairs in two locations. 1. Remove and replace approximately 40m of asphalt trail north of 85 Avenue, west of the residential development on 207A Street to reduce trip hazards and unevenness. 2. Remove and replace approximately 90m of asphalt trail and replace the failing retaining wall north of 88 Avenue to just past the pedestrian bridge to Walnut Grove School/Park.
Project Justification	The asphalt on this section of the trail is worn and uneven which could result in a trip injury if not repaired. The wooden retaining wall section is decayed and falling apart and would result in trail closure if it fails.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	-	34,000	-	-	-	-
Total Funded	-	34,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID PKS1046 Department Parks Project Manager Neufeld, Allan

ProjectTitle Walnut Grove Trail: Trip Hazard Repairs

WorkBreakDown NEW Category PRKADMN Project Priority Ranking **Critical**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		18,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	18,000	-	-	-	-

Project Description	Remove and replace approximately 230m of asphalt on the Walnut Grove Trail near the baseball diamonds leading north to the residential area on 91A Avenue.
Project Justification	The trail is worn and uneven which could result in a trip injury if not repaired. This trail is a main access point for students to Walnut Grove Senior Secondary and Walnut Grove Community Park users.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	-	18,000	-	-	-	-
Total Funded	-	18,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID PKS1042 Department Parks Project Manager Neufeld, Allan

ProjectTitle Telegraph Trail: Trip Hazard Repairs

WorkBreakDown NEW Category PRKADMN Project Priority Ranking **Critical**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		17,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	17,000	-	-	-	-

Project Description	Remove and replace 300m of asphalt on Telegraph Trail east of 210 Street.
Project Justification	The trail surface is worn and uneven due to root heaving, age and wear. which could result in a trip injury if not repaired. This trail is well used by students accessing West Langley Elementary School.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	-	17,000	-	-	-	-
Total Funded	-	17,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID PKS1038 Department Parks Project Manager Neufeld, Allan

ProjectTitle East Brookswood Park: Pathway Replacement - West Side

WorkBreakDown NEW Category PRKADMN Project Priority Ranking **Critical**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		15,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	15,000	-	-	-	-

Project Description	Replacement of approximately 209 m of asphalt trail in East Brookswood Park.
Project Justification	The trail surface is worn and uneven which could result in a trip hazard if not repaired. The Langley Fundamental School utilizes this trail as an outdoor running track.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	-	15,000	-	-	-	-
Total Funded	-	15,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID PKS552 Department Parks Project Manager Neufeld, Allan

ProjectTitle Willoughby Area Park Infrastructure Improvements

WorkBreakDown YCP1002-01 Category PRKDEV Project Priority Ranking **Critical**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		1,439,956	4,112,000	5,500,000	3,500,000	3,444,900
Carry Forward Amt	350,000					
Total Project Cost	350,000	1,439,956	4,112,000	5,500,000	3,500,000	3,444,900

Project Description

Phased construction of new 52 acre Community Park in Yorkson. New Middle School opened on this shared site in September of 2014. Synthetic turf and sand-turf fields built in 2017. Additional synthetic turf fields, children's play area, spray park, washroom buildings, parking lots and connecting trails as per the Conceptual Masterplan for the site. For 2019: parking areas, field lighting and backstop fencing.

Project Justification

New Community Park is required to meet the needs of new residents in Willoughby. This is a significant public open space amenity that will serve the high density residential developments in the Yorkson area. This is a multi phased park development project. Only those components defined in the Parks DCC program can be funded by Park DCC's. All other components must be funded from Operating Revenue. 2019 requires LED sports lighting for softball diamond and backstop $400,000 and parking lot for new sand turf fields south of 82nd Ave. $600,000 Community Garden plots $39,956

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Others	-	39,956	-	-	-	-
Development Cost Charges(DCCs)	288,722	1,000,000	3,312,000	4,500,000	3,000,000	2,500,000
Operating Revenue	60,121	400,000	-	300,000	500,000	944,900
Capital Surplus and Reserves	1,157	-	-	-	-	-
Total Funded	350,000	1,439,956	3,312,000	4,800,000	3,500,000	3,444,900
Unfunded		-	800,000	700,000	-	-
*Estimated Annual Operating Impact		186480	0	0	0	0

Operating Impact Detail

Dog park, 289 lm trails, 41 trees, 4 slow pitch diamonds, 2 sports field, 100 m2 building, 11356 m2 passive area (mowing), 671m2 planted area maintenance, parking lot. Multi work breakdowns. See Capital OBI spreadsheet for details sheet PKS8 & 24.

Township of Langley
Capital Project Description

ProjectID PKS658 Department Parks Project Manager Neufeld, Allan

ProjectTitle Milaster Passive Park Design

WorkBreakDown MPP1000-01 Category PRKDEV Project Priority Ranking **Critical**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		86,000	150,000	100,000	200,000	-
Carry Forward Amt	30,000					
Total Project Cost	30,000	86,000	150,000	100,000	200,000	-

Project Description

Design & development of trails and facilities for 100 acre Milaster Passive Park.

Project Justification

Planning and design development is required in year one to begin process of opening up this park property for public use. Site development of trails, parking areas, washroom, picnic shelter, and caretaker facilities will be required to open up park site to public use over subsequent years. In 2019, significant cleanup of site is required to reduce hazards and potential nuisances left by previous squatters.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Development Cost Charges(DCCs)	29,700	50,000	100,000	50,000	50,000	-
Operating Revenue	300	36,000	50,000	50,000	150,000	-
Total Funded	30,000	86,000	150,000	100,000	200,000	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	101000	0	0

Operating Impact Detail: 10000 m2 neighbourhood park, 1000 lm trail. Multiple work breakdowns. See Capital OBI spreadsheet.

Township of Langley
Capital Project Description

ProjectID PKS1028 Department Parks Project Manager Neufeld, Allan

ProjectTitle WCP Park Repair, Improvement, and Enhancement

WorkBreakDown WCP1025-01 Category PRKDEV Project Priority Ranking **Critical**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		3,600,000	-	-	-	-
Carry Forward Amt	6,874,542					
Total Project Cost	6,874,542	3,600,000	-	-	-	-

Project Description

Work with selected parties to design, build and cost share a multi purpose outdoor and indoor sport facility with an overall cost of approximately $27,000,000. Facilities could include modular suites, modular concessions, covered seating, concert stage, and supporting multiple sport field dimensions. Indoor sport facility would be adjacent to outdoor facility depending on site constraints. Provide parking for existing and new facility users. As needed repair and replace existing natural and artificial turf surface. Procure , install and fund audio visual requirements for both facilities. Arrange and manage construction of all structures to be located at site. Secure appropriate amateur and professional tenants from soccer, football and rugby communities. In addition repair, improve, and enhance other township facilities as funds permit.

Project Justification

This project will allow us to free up Land Reserves for Funding of project "Willoughby Area Park Infrastructure Improvement". If this project does not proceed, it will means that Willoughby Area Park infrastures Improvement project will continue to be delayed due to the lack of funding from land reserve.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Others	-	3,600,000	-	-	-	-
Proceeds From Borrowing	3,600,951	-	-	-	-	-
Capital Surplus and Reserves	3,273,591	-	-	-	-	-
Total Funded	6,874,542	3,600,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		48030	0	0	0	0

Operating Impact Detail: 1 synthetic turf field, 20 trees, 5000 m2 of passive area (mowing), 500 m2 of landscape maintenance. Mulitple work breakdowns. See Capital OBI spreadsheet for details

Township of Langley
Capital Project Description

ProjectID PKS557 Department Parks Project Manager Neufeld, Allan

ProjectTitle Derek Doubleday Arboretum Construction

WorkBreakDown DDA1002-01 Category PRKDEV Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		300,000	354,890	200,000	300,000	397,990
Carry Forward Amt	-					
Total Project Cost	-	300,000	354,890	200,000	300,000	397,990

Project Description

Ongoing development of the Derek Doubleday Arboretum. Rotary Interpretive Centre construction started in 2017 and will be completed in 2018. Building finishes to be complete in 2019, continued thematic display development and landscape around building (initial parking lot development in 2019, traffic signal controlled entrance in 2020).

Project Justification

Council has endorsed plan for development of Arboretum and Sustainable Horticulture Centre. Construction of park started in 2006 and is being phased over multiple years as funding partnerships present themselves. Rotary Club has contributed $250,000 towards 800,000 Interpretive Centre project and is assisting in the construction of the facility. Water service costs of $200,000 and site development costs around interpretive building to complete building in 2018.Site improvements and minor building finishes in 2019.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Others	-	-	-	-	-	-
Development Cost Charges(DCCs)	-	150,000	100,000	-	-	-
Others	-	-	-	-	-	-
Operating Revenue	-	150,000	254,890	200,000	300,000	397,990
Capital Surplus and Reserves	-	-	-	-	-	-
Total Funded	-	300,000	354,890	200,000	300,000	397,990
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		15500	0	0	0	0

Operating Impact Detail 1000 m2 landscape maintenance area

Township of Langley
Capital Project Description

ProjectID PKS1030 Department Parks Project Manager Neufeld, Allan

ProjectTitle Salmon River Natural Area: Viewing Platform Repairs

WorkBreakDown NEW Category PRKDEV Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		35,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	35,000	-	-	-	-

Project Description	To replace areas of the viewing platform at the Salmon River Natural Area.
Project Justification	An August 22, 2018 consulting engineer's report indicated the lookout tower is not structurally adequate to resist the design loads, as per the National Building Code Council standard. At the minimum the stairs and intermediate landings should be removed and replaced. The viewing tower has been closed since Spring 2018.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	-	35,000	-	-	-	-
Total Funded	-	35,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID PKS576 Department Parks Project Manager Neufeld, Allan

ProjectTitle Neighbourhood Initiative Program

WorkBreakDown PKSP1002-01 Category PRKDEV Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		20,000	35,000	40,000	35,000	35,000
Carry Forward Amt	40,000					
Total Project Cost	40,000	20,000	35,000	40,000	35,000	35,000

Project Description

Funds for partnering with community groups on projects initiated by community organizations. The fund matches community funds on a one-for-one basis to achieve facility development related projects.

Project Justification

Current Park Neighbourhood Initiative Program (NIP) started in 1998. Existing matching funds have all been allocated, thus additional funds are required to allow for continuation of this successful program.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Development Cost Charges(DCCs)	19,116	5,000	15,000	20,000	-	-
Operating Revenue	13,811	15,000	20,000	20,000	35,000	35,000
Capital Surplus and Reserves	7,073	-	-	-	-	-
Total Funded	40,000	20,000	35,000	40,000	35,000	35,000
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID PKS659 Department Parks Project Manager Neufeld, Allan

ProjectTitle South Langley Regional Trail

WorkBreakDown SLRT1000-01 Category PRKDEV Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		100,000	-	-	-	-
Carry Forward Amt	100,000					
Total Project Cost	100,000	100,000	-	-	-	-

Project Description

Extension of South Langley Regional Trail along south side of 8th Ave from 264th Street to 26800 block.

Project Justification

Off-Road Trail connection required to provide continuous trail to Aldergrove Regional Park. Project is supported by Back Country Horsemen. Metro Vancouver Parks has installed trail connection within Aldergrove Regional Park to connect with South Langley Trail.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Others	7,500	7,500	-	-	-	-
Development Cost Charges(DCCs)	50,000	50,000	-	-	-	-
Operating Revenue	42,500	12,500	-	-	-	-
Capital Surplus and Reserves	-	30,000	-	-	-	-
Total Funded	100,000	100,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		6400	0	0	0	0

Operating Impact Detail 400 lm trail

Township of Langley
Capital Project Description

ProjectID PKS648 Department Parks Project Manager Bismel, Hakim

ProjectTitle Asset Management Software (5 Way Split)

WorkBreakDown NEW Category PRKADMN Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		50,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	50,000	-	-	-	-

Project Description

As the number of Township infrastructure assets continue to grow, it is important that staff find ways to be more efficient and effective to meet long term asset management goals. This project proposes to replace the current Public Works service request/work order software with a new program that better aligns with the Township's eGovernment strategy. Funding is proposed to be split 5 ways between Water, Sewer, Storm, Transportation and Parks.

Building on existing technology investments, the proposed enhancements will improve system interoperability including a direct integration with the Township's eGovernment platform to improve customer experience, deliver important mobility tools to outside workers to improve efficiency, and leverage the power of the Township's existing enterprise GIS system to provide important decision-making and asset management tools.

Project Justification

Not proceeding with implementation of new software will result in higher long term operating costs to utilize the mobility tools delivered through the existing system as well as higher costs for licensing as the new software has a more flexible population based model, rather than user-based. The new software aligns with the Township's eGovernment platform, ultimately resulting in improved online capabilities and an improved customer experience related to service requests.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	50,000	-	-	-	-
Total Funded	-	50,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID PKS589 Department Parks Project Manager Neufeld, Allan

ProjectTitle Trails Planning & Development

WorkBreakDown TRL1003-01 Category PRKDEV Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		125,000	35,000	35,000	40,000	-
Carry Forward Amt	-					
Total Project Cost	-	125,000	35,000	35,000	40,000	-

Project Description

Design and construction of missing sections of greenway and trail sections in developing neighbourhoods of Willoughby. For 2019 develop greenway node on 82nd Ave east of 204th Street

Project Justification

Most greenways are being built by development in Willoughby. Some small sections are required to provide continuity of trail connections. For 2019 complete landscape treatment of Yorkson Greenway Amenity feature

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	125,000	-	-	-	-
Operating Revenue	-	-	35,000	35,000	40,000	-
Capital Surplus and Reserves	-	-	-	-	-	-
Total Funded	-	125,000	35,000	35,000	40,000	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		4800	4800	4800	4800	4800

Operating Impact Detail 300 lm trail annually

Township of Langley
Capital Project Description

ProjectID PKS590 Department Parks Project Manager Fong, Eric

ProjectTitle Street Tree Planting from Non Refundable Deposits

WorkBreakDown UFT1000-01 Category PRKDEV Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		100,000	100,000	100,000	100,000	100,000
Carry Forward Amt	-					
Total Project Cost	-	100,000	100,000	100,000	100,000	100,000

Project Description	Street tree planting program using Non Refundable Deposits from developers to plant trees in new subdivisions under 10 lots in size.
Project Justification	Trees provide many environmental benefits including stormwater capture, shade, habitat, sound absorption, carbon sequestration.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Others	-	100,000	100,000	100,000	100,000	100,000
Total Funded	-	100,000	100,000	100,000	100,000	100,000
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		11000	11000	11000	11000	11000

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID PKS597 Department Parks Project Manager Neufeld, Allan

ProjectTitle Routley Neighbourhood Park Dog Off-Leash

WorkBreakDown NEW Category PRKDEV Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		75,541				
Carry Forward Amt	-					
Total Project Cost	-	75,541				

Project Description	Installation of fencing to define a new dog off-leash area on existing grass for large dogs at Routley Neighbourhood Park. Landscape improvements to frontage of park along 198B Street.
Project Justification	Request has been received from park users to expand the dog off-leash area. 155 meters of new fence plus site furniture and drinking fountain.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Others	-	75,541	-	-	-	-
Total Funded	-	75,541	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		10200	0	0	0	0

Operating Impact Detail Dog Park

Township of Langley
Capital Project Description

ProjectID PKS613 Department Parks Project Manager Neufeld, Allan

ProjectTitle Tree Planting Program

WorkBreakDown UFT1002-01 Category PRKDEV Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		180,000	180,000	140,000	150,000	150,000
Carry Forward Amt	-					
Total Project Cost	-	180,000	180,000	140,000	150,000	150,000

Project Description

Replacement tree planting program. Utilization of temporary staff to identify tree planting opportunities. Using developer contributions for required replacement trees to plant new trees where none exist in parks and conservation areas.

Project Justification

Trees provide many environmental benefits including stormwater capture, shade, habitat, sound absorption, carbon sequestration. Utilization of funds to keep all available tree planting locations full with new trees.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Others	-	180,000	180,000	140,000	150,000	150,000
Total Funded	-	180,000	180,000	140,000	150,000	150,000
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID PKS602 Department Parks Project Manager Neufeld, Allan

ProjectTitle Urban Forest Management Plan

WorkBreakDown NEW Category PRKDEV Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		150,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	150,000	-	-	-	-

Project Description

Research and creation of a Urban Forest Management Plan to identify current state of tree cover in Urban areas of Langley and identify specific locations where the tree cover can be increased on public lands. Project to be funded from contributions to Replacement Tree reserves.

Project Justification

Need to hire a consultant team to assess current standards and approach to planting trees in the Township of Langley with the goal of improving long term survivability of tree planting opportunities and increasing the health of the Urban Forest. Public input will be included to encourage education and support for maintaining a healthy urban forest.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Others	-	150,000	-	-	-	-
Total Funded	-	150,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID PKS588 Department Parks Project Manager Neufeld, Allan

ProjectTitle Nicomekl River Trail to MAP

WorkBreakDown TRL1002-01 Category PRKDEV Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		100,000	-	-	-	-
Carry Forward Amt	404,702					
Total Project Cost	404,702	100,000	-	-	-	-

Project Description

Design and construction of a boardwalk style bridge over the Nicomekl River and gravel surfaced shared use trail to connect Glover Road to McLeod Athletic Park as part of the Arbour Ribbon Trail corridor. Previous phases have constructed trails from Derek Doubleday Arboretum to McLeod Athletic Park along the east side of the Nicomekl River. Requires approximately 1000 meters of gravel surfaced trail and two pedestrian / cycling bridge installation.

Project Justification

Continuation of a shared-use trail system that will connect Willoughby to Murrayville and provide access to two Municipal level parks along the way. This is a key pedestrian and cycling trail connection completing a gap between Murrayville and Willoughby Community areas. Trail provides a recreational link between Mcleod Athletic Park and the existing greenway trail on the south side of the Mufford Cresc. Overpass at Glover Road.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	13,608	-	-	-	-	-
Development Cost Charges(DCCs)	294,921	100,000	-	-	-	-
Operating Revenue	18,012	-	-	-	-	-
Capital Surplus and Reserves	78,160	-	-	-	-	-
Total Funded	404,702	100,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		17875	0	0	0	0

Operating Impact Detail: 1000lm of trail and bridge maintenance. Multiple work breakdowns. See Capital OBI spreadsheet for details

Township of Langley
Capital Project Description

ProjectID PKS641 Department Parks Project Manager Neufeld, Allan

ProjectTitle Willoughby Community Bike Park Design and Construction

WorkBreakDown WCP1024-01 Category PRKDEV Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		100,000	-	-	-	-
Carry Forward Amt	25,000					
Total Project Cost	25,000	100,000	-	-	-	-

Project Description	Willoughby Community bike park. Assess rejuvenation requirements and detail design in 2018, construction in 2019.
Project Justification	This bike park was built by volunteers using salvaged lumber. Some components have deteriorated and are in very poor condition.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Development Cost Charges(DCCs)	25,000	100,000	-	-	-	-
Total Funded	25,000	100,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		10000	0	0	0	0

Operating Impact Detail Bike Park

Township of Langley
Capital Project Description

ProjectID PKS561 Department Parks Project Manager Neufeld, Allan

ProjectTitle Jackman Wetlands Development

WorkBreakDown JWP1000-01 Category PRKDEV Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		60,000	-	-	-	-
Carry Forward Amt	50,000					
Total Project Cost	50,000	60,000	-	-	-	-

Project Description

Construction of a gravel surfaced trail to provide a looped connection along the south portion of this new park. Park is becoming popular with nature enthusiasts and dog walkers. Providing an additional trail loop will provide options for the public using the site when Retriever Club activities are underway in the west & south portions of the site.

Project Justification

Providing an additional trail loop will provide options for the public using the site when Retriever Club activities are underway in the south portions of the site. New trails increase the access to this site's natural features and environmental educational opportunities. New south trail connects through new Disc Golf Course and provides direct connection with Aldergrove Regional Park.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	399	-	-	-	-	-
Development Cost Charges(DCCs)	39,480	60,000	-	-	-	-
Capital Surplus and Reserves	10,121	-	-	-	-	-
Total Funded	50,000	60,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	16000	0	0	0

Operating Impact Detail 1000 lm trail

Township of Langley
Capital Project Description

ProjectID PKS583 Department Parks Project Manager Neufeld, Allan

ProjectTitle SW Gordon Estates Park Development

WorkBreakDown SWGP1000-01 Category PRKDEV Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		12,221	400,000	400,000	-	-
Carry Forward Amt	26,499					
Total Project Cost	26,499	12,221	400,000	400,000	-	-

Project Description

Phases one and two of development of this new Neighbourhood Park. Development of a children's play area on the east side of the park site. Work started in 2015 to be completed in 2016. Future phases to complete west side of park.

Project Justification

New residents of multi-family developments surround this designated neighbourhood park are requesting access to park facilities and have identified a need for finished park areas within walking distance.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Others	24,820	12,221	-	-	-	-
Development Cost Charges(DCCs)	65,220	-	-	-	-	-
Capital Surplus and Reserves	17,146	-	-	-	-	-
Total Funded	107,187	12,221	-	-	-	-
Unfunded		-	400,000	400,000	-	-
*Estimated Annual Operating Impact		0	170000	0	0	0

Operating Impact Detail: 20,000 m2 neighbourhood park

Township of Langley
Capital Project Description

ProjectID PKS601 Department Parks Project Manager Neufeld, Allan

ProjectTitle Development Cost Charges & Related Resourcing

WorkBreakDown PKSP1005-01 Category PRKDEV Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		201,000	201,000	201,000	201,000	201,000
Carry Forward Amt	-					
Total Project Cost	-	201,000	201,000	201,000	201,000	201,000

Project Description

Recovery funding for Landscape Architect and Landscape Design Coordinator within Public Spaces, Parks, Design and Development Department.

Project Justification

Park design and project supervision is required due to ongoing development of new park projects

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Development Cost Charges(DCCs)	-	201,000	198,990	198,990	198,990	198,990
Operating Revenue	-	-	2,010	2,010	2,010	2,010
Capital Surplus and Reserves	-	-	-	-	-	-
Total Funded	-	201,000	201,000	201,000	201,000	201,000
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID PKS630 Department Parks Project Manager Neufeld, Allan

ProjectTitle Alex Hope Park Trail to 216th Street Interchange

WorkBreakDown AHP1001-01 Category PRKDEV Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		130,000	-	-	-	-
Carry Forward Amt	150,000					
Total Project Cost	150,000	130,000	-	-	-	-

Project Description	Construction of new 3 meter width multi-use trail to connect existing trails within Alex Hope Park with new multi use trails installed as part of 216th Street Interchange project. Deferred from 2018
Project Justification	Require community trail connections as part of overall Walnut Grove Trail System. Timing is best to follow construction work of new 216th Street Interchange. 500m length.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Development Cost Charges(DCCs)	148,500	130,000	-	-	-	-
Operating Revenue	1,500	-	-	-	-	-
Total Funded	150,000	130,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	12000	0	0	0

Operating Impact Detail 750 lm trail.

Township of Langley
Capital Project Description

ProjectID PKS612 Department Parks Project Manager Neufeld, Allan

ProjectTitle George E Ross Park Improvements

WorkBreakDown GERP1000-01 Category PRKDEV Project Priority Ranking **Low**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		50,000	-	-	-	-
Carry Forward Amt	22,400					
Total Project Cost	22,400	50,000	-	-	-	-

Project Description

The land for George E Ross Park was donated with the condition that it be developed for public use. Recent improvements have included the installation of a gravel trail, site clearing and the installation of lawn. Additional improvements will include benches, picnic tables, drainage improvements and tree planting.

Project Justification

Commitment to park development was made at time of receipt of land donation. Improvements will increase public access to this park and deal with a current drainage problem.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Development Cost Charges(DCCs)	20,533	50,000	-	-	-	-
Capital Surplus and Reserves	1,867	-	-	-	-	-
Total Funded	22,400	50,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID PKS554 Department Parks Project Manager Neufeld, Allan

ProjectTitle Glen Valley Foreshore

WorkBreakDown GVF1000-01 Category PRKDEV Project Priority Ranking **Pre. App.**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		130,000	130,000	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	130,000	130,000	-	-	-

Project Description

Project Justification

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Prior Year's Surplus	-	130,000	130,000	-	-	-
Capital Surplus and Reserves	-	-	-	-	-	-
Total Funded	-	130,000	130,000	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID PKS614 Department Parks Project Manager Neufeld, Allan

ProjectTitle Park Land Property Acquisition

WorkBreakDown PKSP0000-01 Category PRKDEV Project Priority Ranking NA

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		20,000,000	20,000,000	20,000,000	20,000,000	-
Carry Forward Amt	-					
Total Project Cost	-	20,000,000	20,000,000	20,000,000	20,000,000	-

Project Description

Purchase of parkland utilizing Park DCC's and Neighbourhood Parkland Acquisition Fees. Specific property purchases require Council approval to proceed.

Project Justification

Acquisition of parkland is required to allow neighbourhood development to proceed and to provide park space for incoming residents. Specific property purchases require Council approval to proceed.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	7,000,000	7,000,000	7,000,000	7,000,000	7,000,000
Others	-	-	-	-	-	-
Development Cost Charges(DCCs)	-	13,000,000	13,000,000	13,000,000	13,000,000	13,000,000
Total Funded	-	20,000,000	20,000,000	20,000,000	20,000,000	20,000,000
Unfunded		-	-	-	-	##########
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID PKS615 Department Parks Project Manager Neufeld, Allan

ProjectTitle Unidentified Externally Funded Projects

WorkBreakDown PKSP1000-01 Category PRKDEV Project Priority Ranking NA

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Carry Forward Amt	-					
Total Project Cost	-	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000

Project Description	Placeholder for unidentified capital projects that may arise in the Parks Utility
Project Justification	Placeholder for unidentified capital projects that may arise in the Parks Utility.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Others	-	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Total Funded	-	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID PKS570 Department Parks Project Manager Neufeld, Allan

ProjectTitle SW Yorkson Neighbourhood Park

WorkBreakDown NEW Category PRKDEV Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		1,020,000	820,000	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	1,020,000	820,000	-	-	-

Project Description

Design and Construction of a neighbourhood park to serve the southwest quadrant of Yorkson. School construction starting in 2019 so park construction must start in 2019.

Project Justification

Development is occurring in this quadrant of Yorkson and new residents expect to have access to a neighbourhood park. The Neighbourhood Control Plan identifies a neighbourhood park in this area. Property acquisition is complete. Timing to coincide with construction of the adjacent elementary school on this shared site. School District is proceeding with school construction with anticipated opening in Sept of 2020. Field needs one year grow in period so must be seeded in Sept. 2019.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Development Cost Charges(DCCs)	-	400,000	620,000	-	-	-
Operating Revenue	-		200,000	-	-	-
Total Funded	-	400,000	820,000	-	-	-
Unfunded		620,000	-	-	-	-
*Estimated Annual Operating Impact		0	170000	0	0	0

Operating Impact Detail: Neighbourhood park

Township of Langley
Capital Project Description

ProjectID PKS639 Department Parks Project Manager Neufeld, Allan

ProjectTitle Alex Hope North Field Drainage

WorkBreakDown AHP1000-01 Category PRKDEV Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		100,000	-	-	-	-
Carry Forward Amt	23,441					
Total Project Cost	23,441	100,000	-	-	-	-

Project Description	Installation of a slit drain system to augment existing drainage system that has failed at Alex Hope Park on the north sand turf soccer field.
Project Justification	Field closures are required due to safety issues when pooling water occurs on the playing field surface. Poor field drainage contributes to weak turf health and increased risks of injury. Full utilization of this field is not being achieved due to sand permeability failure.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	153,101	-	-	-	-	-
Total Funded	153,101	-	-	-	-	-
Unfunded		100,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID PKS636 Department Parks Project Manager Ardestani, Farzad

ProjectTitle Repairs and Improvements: Operations Centre

WorkBreakDown OPS1001-01 Category PRKDEV Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		100,000	-	-	-	-
Carry Forward Amt	70,725					
Total Project Cost	70,725	100,000	-	-	-	-

Project Description	The Operations Centre is 20 years old and there are many improvements and repairs that need to be done to the building and the site/yard. This funding will be utilized for electrical/mechanical upgrades, interior improvements, secondary gate, curtain wall repairs, additional parking , etc.
Project Justification	To improve space utilization, increase capacity, replace aging equipment and infrastructure, provide additional storage, etc. The consequences are inefficient use of site, capacity issues, safety, etc.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	16,790	-	-	-	-	-
Others	-	-	-	-	-	-
Operating Revenue	28,712	-	-	-	-	-
Capital Surplus and Reserves	25,223	-	-	-	-	-
Total Funded	70,725	-	-	-	-	-
Unfunded		100,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID PKS1039 Department Parks Project Manager Neufeld, Allan

ProjectTitle Langley Lawn Cemetery: Green Burial Design and Construction

WorkBreakDown NEW Category PRKDEV Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		200,000	200,000	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	200,000	200,000	-	-	-

Project Description

To create an area for green burial at the Langley Lawn Cemetery. This project proposes removal of an existing storage area in 2019 to facilitate design and construction of a new compound, covered storage area and shop beside 44 Avenue. In 2020, design and construction of a green burial area could proceed in the space made available by relocation, if approved by Council as part of a cemetery land use strategy to be presented for future Council consideration.

Project Justification

Green burial has been identified in a concept plan that is part of a cemetery system wide land use strategy. By relocating the storage area in 2019 we will be better able to prepare for this new type of burial option for our community.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		200,000	200,000	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID PKS1035 Department Parks Project Manager Neufeld, Allan

ProjectTitle Fort to Fort Trail: Freshet Mitigation

WorkBreakDown NEW Category PRKADMN Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		220,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	220,000	-	-	-	-

Project Description	Repairs to the foreshore of the Fort to Fort Trail between the Salmon River Dyke Station west along the frontage of the Fort Langley Golf Course to address erosion caused by the annual Fraser River Freshet.
Project Justification	A geotechnical engineer's report has identified means of mitigating erosion including clearing and grubbing of vegetation along the foreshore, tree clearing, and armouring the foreshore via excavation, geosynthetics and rip-rap. Without addressing the recommendations of the engineer's report, continual erosion of the bank will occur, resulting in complete loss of the trail and significant cost and time to replace in its current location, if at all.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		220,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID PKS567 Department Parks Project Manager Neufeld, Allan

ProjectTitle McLeod Athletic Park Arrival Point & Plaza

WorkBreakDown MAP1009-01 Category PRKDEV Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		1,900,000	50,000	-	-	-
Carry Forward Amt	454,302					
Total Project Cost	454,302	1,900,000	50,000	-	-	-

Project Description

Construction of an arrival plaza from the west end of the MAP site on 57A Ave. To include additional parking, improved pedestrian access, signage, landscaping. Project will assist in defining the arrival point for McLeod Athletic Park Stadium and surrounding events. Project will complete a ticket booth and control gate feature on the west side of the Grandstand.

Project Justification

Need to construct new parking lot and entry area to facilitate new school developments and site requirements. 240 spaces of new parking to be constructed by June of 2019 to meet timing needs of School District 35 to place portables on a portion of new surface while school construction project completes.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	82,869	-	-	-	-	-
Prior Year's Surplus	69,058	-	-	-	-	-
Operating Revenue	234,796	-	5,000	-	-	-
Capital Surplus and Reserves	67,579	-	-	-	-	-
Total Funded	454,302	-	5,000	-	-	-
Unfunded		1,900,000	45,000	-	-	-
*Estimated Annual Operating Impact		13665	0	0	0	0

Operating Impact Detail: 10 trees, 50m2 building, 200 m2 landscape maintenance area, parking lot. Multiple work breakdowns. See Capital OBI spreadsheet for details.

Township of Langley
Capital Project Description

ProjectID PKS1034 Department Parks Project Manager Neufeld, Allan

ProjectTitle Milner Park: Parking Lot

WorkBreakDown NEW Category PRKADMN Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		95,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	95,000	-	-	-	-

Project Description

Replacement of 4,100 m2 of asphalt surface in the Milner Park parking lot.

Project Justification

The asphalt surface is deteriorating and requires replacement. By grinding, relaying and recycling the existing surface the parking lot will be upgraded to the same standard as other major facilities in the park and provide a more esthetically pleasing appearance. In addition, repairing the asphalt surface will improve patron safety.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		95,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID PKS611 Department Parks Project Manager Neufeld, Allan

ProjectTitle Hudson Bay Park Improvements

WorkBreakDown HBP1000-01 Category PRKDEV Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		100,000	80,000	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	100,000	80,000	-	-	-

Project Description

The design and construction of improvements to Hudson Bay Park in Fort Langley, located at the southeast corner of 88th Ave and Glover Road. New park features to include trails, outdoor fitness stations, children's play equipment, landscaping and deck feature for special events and programming.

Project Justification

Improvements follow Concept Plan for the park and would increase the parks use for special events, age friendly activities and as a wedding venue. Continuation of multi year development program.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Development Cost Charges(DCCs)	-	70,000	-	-	-	-
Operating Revenue	-	-	80,000	-	-	-
Capital Surplus and Reserves	-	-	-	-	-	-
Total Funded	-	70,000	80,000	-	-	-
Unfunded		30,000	-	-	-	-
*Estimated Annual Operating Impact		0	18882	0	0	0

Operating Impact Detail

125 lm greenway/trail, 8 trees, children's playground and outdoor fitness equipment, 200m2 landscaping and deck for special events, benches, picnic tables and extra garbage cans. Multiple work breakdowns. See Capital OBI spreadsheet for details.

Township of Langley
Capital Project Description

ProjectID PKS621 Department Parks Project Manager Parenteau, MiKe

ProjectTitle Pick Up Truck Vehicle (Parks Utility Worker - Playgrounds)

WorkBreakDown NEW Category PRKOPS Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		50,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	50,000	-	-	-	-

Project Description

Purchase of a 3/4 ton truck with a service body for Parks Operations to be used for Playground maintenance.

Project Justification

This vehicle is necessary for the Utility Worker Parks to haul tools, materials etc. on a daily basis in order to complete maintenance work on playgrounds throughout the municaplity. Rental of this type of vehicle is not available as it is a specialized piece of equipment.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		50,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID PKS631 Department Parks Project Manager Neufeld, Allan

ProjectTitle Walnut Grove Skateboard Park Lighting

WorkBreakDown NEW Category PRKDEV Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		80,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	80,000	-	-	-	-

Project Description: Design and installation of sports lighting for the Walnut Grove Skateboard Park

Project Justification: Lighting the skateboard park would provide for added security of the area as well as provide for extended use of the facility for evening hours.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		80,000	-	-	-	-
*Estimated Annual Operating Impact		0	12500	0	0	0

Operating Impact Detail: Lighting

Township of Langley
Capital Project Description

ProjectID PKS664 Department Parks Project Manager Parenteau, MiKe

ProjectTitle Vehicle: Parks Portion of a 5 way split

WorkBreakDown NEW Category PRKFLT Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		8,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	8,000	-	-	-	-

Project Description

Vehicle for Service Enhancement request for BC One Call Infrastructure Asset Tech. Funding request in Water, Sewer, Stormwater, Transportation and Parks.

Project Justification

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		8,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID PKS565 Department Parks Project Manager Neufeld, Allan

ProjectTitle Miscellaneous Capital Projects

WorkBreakDown PKSP1018-01 Category PRKDEV Project Priority Ranking **Low**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		75,000	100,000	100,000	100,000	-
Carry Forward Amt	-					
Total Project Cost	-	75,000	100,000	100,000	100,000	-

Project Description

This funding is for minor capital projects that come up during the year. It also needed to fund new community garden at Yorkson Community Park.

Project Justification

Unexpected and/or emergent projects require unanticipated funding.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	-	-	100,000	100,000	100,000	-
Capital Surplus and Reserves	-	-	-	-	-	-
Total Funded	-	-	100,000	100,000	100,000	-
Unfunded		75,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID PKS643 Department Parks Project Manager Neufeld, Allan

ProjectTitle McLeod Park Javelin Area Irrigation

WorkBreakDown NEW Category PRKDEV Project Priority Ranking **Low**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		63,390	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	63,390	-	-	-	-

Project Description	Install irrigation system in Javelin throw area at McLeod Athletic Park.
Project Justification	A hard dried surface does not allow penetration of javelins in the landing area. Grass cover is lost when extreme drought conditions occur. The national track and field event is scheduled for 2020/2021. If we don't improve irrigiation it will ultimately result in a decreased experience for the event.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	-	-	-	-	-	-
Total Funded	-	-	-	-	-	-
Unfunded		63,390	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID PKS998 Department Parks Project Manager Neufeld, Allan

ProjectTitle McLeod Athletic Park Track & Field Improvements

WorkBreakDown NEW Category PRKDEV Project Priority Ranking **Pre. App.**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		1,850,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	1,850,000	-	-	-	-

Project Description	Track and Field improvements at McLeod Athletic Park in support of hosting the 2020/2021 National Championships approved for hosting in Langley. Track surface needs to be replaced as it is at the end of its expected life. Adjustments to field event areas and additional seating is required to host larger events at MAP.
Project Justification	Track surface needs to be replaced to maintain safe and functional track and field facility. Improvements of Field Event areas are required to host National Track and Field Championship. Facility drainage improvements are required as part of the track surfacing project.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		1,850,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

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Funding Status	Department Name	Ranking	ProjectTitle	ProjectID	Total	Capital Surplus and Reserves	Development Cost Charges(DCCs)	Operating Revenue	Others	Prior Year's Surplus	Unfunded
Inside	Transportation	Critical	Road Widening: 7600 Block 202A Street	EN905	200,000		198,000	2,000			-
Inside	Transportation	Critical	Road Construction: 76 Avenue 200 Street to 20100 Block	EN997	500,000			500,000			-
Inside	Transportation	Critical	Signal Installation: Mavis/Glover	EN250	570,000				570,000		-
Inside	Transportation	Critical	Road Widening: 221A Street from 50 to 52 Avenue	EN1087	500,000		178,200	321,800			-
Inside	Transportation	Critical	Annual Local Roads Pavement Overlay and Reconstruction	EN278	300,000			151,900		148,100	-
Inside	Transportation	Critical	Annual Arterial & Collector Road Pavement Overlay & Reconstruction	EN294	500,000	400,000		100,000			-
Inside	Transportation	Critical	Overhead Flashing Beacon: Telegraph Trail and Glover Road	EN1090	50,000	500	49,500				-
Inside	Transportation	Critical	Special Crosswalk: 9500 Block 216 Street	EN1086	100,000	1,000	99,000				-
Inside	Transportation	Critical	Permit Software	EN243	43,750					43,750	-
Inside	Transportation	High	Annual Transit Improvements: Various	EN275	120,000				60,000	60,000	-
Inside	Transportation	High	North Langley Connector Phase 2	EN1056	88,000					88,000	-
Inside	Transportation	High	Annual Pedestrian Improvements	EN306	286,000				143,000	143,000	-
Inside	Transportation	High	208 Street Corridor	EN1063	3,100,000	31,000	3,069,000				-
Inside	Transportation	High	Truck Route Network Improvements: North Langley	EN264	400,000			400,000			-
Inside	Transportation	High	Special Crosswalk: Fraser Highway at 271 Street	EN1088	100,000	1,000	99,000				-
Inside	Transportation	High	Intersection Improvements: 16 Avenue Corridor	EN245	1,500,000	7,500	742,500		750,000		-
Inside	Transportation	High	Intersection Improvements: Design/Construct; Fraser Hwy at 248 St	EN292	2,372,250	14,332	1,418,918		939,000		-
Inside	Transportation	High	Sidewalk and Curb: 200 Street & 40 Avenue	EN1066	100,000	1,000	99,000				-
Inside	Transportation	High	Sidewalk Widening: 200 Street 3600 block	EN1067	150,000	1,500	148,500				-
Inside	Transportation	High	Road Widening: 216 Street - 88 Avenue to Telegraph Trail	EN265	400,000	4,000	396,000				-
Inside	Transportation	High	Asset Management Software	EN807	50,000	50,000					-
Inside	Transportation	High	Annual Development Cost Charges (DCC) Transportation Projects	EN280	500,000	5,000	495,000				-
Inside	Transportation	High	Design & Construction: 82 Avenue Widening from 207 Street west to Yorkson Creek	EN1064	1,500,000	15,000	1,485,000				-
Inside	Transportation	High	Vehicle: Public Spaces Waste Management Program (5 year implementation)	EN340	17,000	17,000					-
Inside	Transportation	High	Jackman Reclamation	EN1197	1,000,000	1,000,000					-
Inside	Transportation	Pre. App.	Intersection Improvements: 216 St and Glover Rd	EN249	1,000,000		425,700	574,300			-
Inside	Transportation	Pre. App.	Road Improvements: 216 St; 7400 Blk	EN251	350,000	3,500	346,500				-
Inside	Transportation	Pre. App.	Intersection Improvements: 64 Ave at 232 St	EN257	550,000	5,500	544,500				-
Inside	Transportation	Pre. App.	Signal Installation: 202A Street at 76 Ave	EN318	300,000	3,000	297,000				-
Inside Total	Transportation				**16,647,000**	**1,560,832**	**10,091,318**	**2,050,000**	**2,462,000**	**482,850**	**-**
Placeholder	Transportation	NA	ICBC Unidentified Funding	EN277	250,000				250,000		-
Placeholder	Transportation	NA	Unidentified Externally Funded Projects	EN282	2,000,000				2,000,000		-
Placeholder Total	Transportation				**2,250,000**	**-**	**-**	**-**	**2,250,000**	**-**	**-**

Funding Status	Department Name	Ranking	ProjectTitle	ProjectID	Total	Capital Surplus and Reserves	Development Cost Charges(DCCs)	Operating Revenue	Others	Prior Year's Surplus	Unfunded
Outside	Transportation	High	Annual Commuter Cycling Improvements	EN273	1,020,000				510,000		510,000
Outside	Transportation	High	Traffic Signal: Glover Road and 96 Avenue	EN1085	400,000						400,000
Outside	Transportation	High	Public Spaces Waste Receptacles: Various Locations (5 year implementation)	EN276	353,000						353,000
Outside	Transportation	High	Road Widening: 238 Street between 52 Avenue and 53A Avenue	EN221	100,000						100,000
Outside	Transportation	High	Sidewalk Improvements: 272 Street; 28 to 29 Ave	EN326	45,000						45,000
Outside	Transportation	High	Road Reconstruction & Street Lighting: McBride Lane	EN1100	85,000				17,675		67,325
Outside	Transportation	High	Annual Bridge Infrastructure Remediation	EN290	100,000						100,000
Outside	Transportation	High	Road Construction: 264 St; 80 Ave to 84 Ave	EN327	265,000						265,000
Outside	Transportation	High	Road Reconstruction: 91 Ave; 272 St to 276 St	EN329	270,000						270,000
Outside	Transportation	High	Reconstruction - 232 St (8 Ave to 10 Ave)	EN342	175,000						175,000
Outside	Transportation	High	Reconstruction: 92A Avenue (198 St to 200 St)	EN341	410,000						410,000
Outside	Transportation	High	Paving: 264 Street - 300 Block	EN254	170,000						170,000
Outside	Transportation	High	Slope Stability: 56 Avenue - 24200 Blk	EN1091	500,000						500,000
Outside	Transportation	High	Sidewalk: 96 Ave in Fort Langley	EN311	1,000,000						1,000,000
Outside	Transportation	High	Museum of Flight Access: Airport	EN1093	1,900,000						1,900,000
Outside	Transportation	High	Interchange: Hwy 1 at 232 Street	EN325	9,000,000						9,000,000
Outside	Transportation	High	Intersection Improvements: 56 Avenue and 240 Street	EN1161	1,000,000						1,000,000
Outside	Transportation	High	Intersection Improvements: 56 Avenue and 224 Street	EN1162	1,000,000						1,000,000
Outside	Transportation	High	Road Restoration: Old Yale Road; (Interim Repair)	EN287	400,000						400,000
Outside	Transportation	Medium	Vehicle: Transportation Department	EN316	40,000						40,000
Outside	Transportation	Medium	Vehicle: Engineering Services	EN1092	10,000						10,000
Outside	Transportation	Medium	Vehicle: Transportation Portion of a 5 way split	EN260	8,000						8,000
Outside	Transportation	Medium	Street Banner Program	EN1080	150,000						150,000
Outside	Transportation	Medium	Off Street Parking Lot: Aldergrove - Fraser Hwy at 272	EN1082	280,000						280,000
Outside	Transportation	Medium	Crosswalk: 56 Avenue and 216 Street	EN1089	30,000						30,000
Outside	Transportation	Medium	Sidewalk: 206 Street, 4200 to 4400 Block	EN1084	60,000						60,000
Outside	Transportation	Medium	Storage and Processing Station: Vactor	EN1079	80,000						80,000
Outside	Transportation	Medium	Replace Streetlight Poles & Underground Wiring: Willowbrook Area	EN298	150,000						150,000
Outside	Transportation	Medium	LED Street Light Program: Multiple Locations	EN304	640,000						640,000
Outside	Transportation	Medium	Road Construction: 48 Avenue 272 to 276 Street	EN1094	360,000						360,000
Outside	Transportation	Medium	Road Reconstruction: Clovermeadows Crescent	EN1078	175,000						175,000
Outside	Transportation	Medium	Annual Pre-Engineering & Functional Design Transportation Projects	EN305	75,000						75,000
Outside	Transportation	Medium	Annual Traffic Calming Projects	EN235	100,000						100,000
Outside	Transportation	Medium	Development Coordinated Works	EN283	100,000						100,000
Outside	Transportation	Medium	GPS Fire Preemption Traffic Signals	EN1081	200,000						200,000
Outside	Transportation	Medium	Local Road Reconstruction: 267 Street	EN302	500,000						500,000
Outside	Transportation	Medium	Patching Hot Box Trailer	EN1000	40,000						40,000
Outside	Transportation	Low	Centric Upgrade: Traffic Signal Management System	EN300	20,000						20,000
Outside Total	Transportation				**21,211,000**	**-**	**-**	**-**	**527,675**	**-**	**20,683,325**
	Transportation Total				**40,108,000**	**1,560,832**	**10,091,318**	**2,050,000**	**5,239,675**	**482,850**	**20,683,325**

Township of Langley
Capital Project Description

ProjectID EN905 Department Transportation Project Manager Cordeiro, Paul

ProjectTitle Road Widening: 7600 Block 202A Street

WorkBreakDown NEW Category TRNWIDN Project Priority Ranking **Critical**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		200,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	200,000	-	-	-	-

Project Description	Widening the west side of 202A Street north and south of the new high school to accommodate left turn lanes at 202A Street and 76 Avenue. DCC ID 11R175
Project Justification	The opening of the new high school in the fall of 2019 requires improvements to 202A in conjunction with the construction of 76 Avenue between 200 and 202A Street.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Development Cost Charges(DCCs)	-	198,000	-	-	-	-
Operating Revenue	-	2,000	-	-	-	-
Total Funded	-	200,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		8021	0	0	0	0

Operating Impact Detail: 600 lm of road, 600 lm of bike lane. Multiple work breakdowns. See Capital OBI spreadsheet for details.

Township of Langley
Capital Project Description

ProjectID EN997 Department Transportation Project Manager Cordeiro, Paul

ProjectTitle Road Construction: 76 Avenue 200 Street to 20100 Block

WorkBreakDown RDS1244-01 Category TRNNCON Project Priority Ranking **Critical**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		500,000	-	-	-	-
Carry Forward Amt	295,597					
Total Project Cost	295,597	500,000	-	-	-	-

Project Description

To Construct the north half of 76 Avenue from 200 Street to the 20100 block for a length of approximately 240m.

Project Justification

This project proposes to provide connectivity between 200 street ad 202A street. With existing and growing traffic volumes, increased and ongoing traffic congestion will result if this road network improvement project is not completed.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Proceeds From Borrowing	266,037	-	-	-	-	-
Operating Revenue	29,560	500,000	-	-	-	-
Total Funded	295,597	500,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		1485	0	0	0	0

Operating Impact Detail: 1/2 road - 240m in length. 120 lm of road. Multiple work breakdowns. See Capital OBI spreadsheet for details.

Township of Langley
Capital Project Description

ProjectID EN250 Department Transportation Project Manager Welfing, Richard

ProjectTitle Signal Installation: Mavis/Glover

WorkBreakDown RDS1107-01 Category TRNRAIL Project Priority Ranking **Critical**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		570,000	-	-	-	-
Carry Forward Amt	1,019,876					
Total Project Cost	1,019,876	570,000	-	-	-	-

Project Description

To complete intersection improvements at the Mavis and Glover intersection and Glover/Billy Brown intersection. Project also involves upgrades to the Glover road rail crossing at this location. Traffic signals are to be interconnected to the railway crossing with updated pre-emption timing. In the summer of 2018 an application was made to Transport Canada for funding for the railway component.

Project Justification

The intersection at Mavis and Glover has recently been equipped with pedestrian signalization to improve safety and reduce the potential for vulnerability for road users including pedestrians and cyclists. A Study has been completed of the intersection that recommends that a full traffic signal be installed at Mavis/Glover.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Others	26,126	-	-	-	-	-
Proceeds From Borrowing	697,718	-	-	-	-	-
Development Cost Charges(DCCs)	296,032	-	-	-	-	-
Others	-	570,000	-	-	-	-
Total Funded	1,019,876	570,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		5000	0	0	0	0

Operating Impact Detail Traffic Signal

Township of Langley
Capital Project Description

ProjectID EN1087 Department Transportation Project Manager Cordeiro, Paul

ProjectTitle Road Widening: 221A Street from 50 to 52 Avenue

WorkBreakDown NEW Category TRNWIDN Project Priority Ranking **Critical**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		500,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	500,000	-	-	-	-

Project Description

To design and construct the ultimate road widening of 221A Street between 50 and 52 Avenue including curb, gutter, and pedestrian facilities. The portion of the project that fronts Arthur Ross Park will be funded from DCC ID 11R313

Project Justification

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Development Cost Charges(DCCs)	-	178,200	-	-	-	-
Operating Revenue	-	321,800	-	-	-	-
Total Funded	-	500,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN278 Department Transportation Project Manager Edey, Brian

ProjectTitle Annual Local Roads Pavement Overlay and Reconstruction

WorkBreakDown RDS1154-01 Category TRNPAVE Project Priority Ranking **Critical**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		300,000	300,000	300,000	300,000	300,000
Carry Forward Amt	166,608					
Total Project Cost	166,608	300,000	300,000	300,000	300,000	300,000

Project Description

ANNUAL TOP-UP FUNDING ONLY. This annual capital project seeks funding for the road network program, intended to preserve road paving and/or overlay on Township local roads. There are approximately 600 km of local roads in the Township - the majority of which have exceeded their designed life cycle. Analysis has indicated that our local roads are deteriorating at a fast rate and about 29% of our roads will require full reconstruction.

Project Justification

If this project is not funded, a higher amount of operating maintenance funding would be required to maintain local roads in safe and efficient condition.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Prior Year's Surplus	-	148,100	-	-	-	-
Operating Revenue	108,421	151,900	300,000	155,000	300,000	300,000
Capital Surplus and Reserves	65,931	-	-	-	-	-
Total Funded	174,352	300,000	300,000	155,000	300,000	300,000
Unfunded		-	-	145,000	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN294 Department Transportation Project Manager Edey, Brian

ProjectTitle Annual Arterial & Collector Road Pavement Overlay & Reconstruction

WorkBreakDown RDS1185-01 Category TRNPAVE Project Priority Ranking **Critical**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		500,000	500,000	500,000	500,000	500,000
Carry Forward Amt	735,249					
Total Project Cost	735,249	500,000	500,000	500,000	500,000	500,000

Project Description

ANNUAL TOP-UP FUNDING ONLY. This is an annual capital project that seeks funding to preserve road paving and/or overlay on Township arterial and collector roads. There are approximately 220 km (centre line km) of arterial and collector roads in the Township. This program is intended to install paving top lift on roads that have been repaired through grinding and patching works on substandard/deteriorating road sections. Data has been derived from and works have densified through the Township's Pavement Management System.

Project Justification

There are 220 centre line kms of arterial and collector roads within the Township. As identified by Pavement Management System, $1.2M of funding is required annually to maintain pavement overlay on arterial and collector roads. The Public Works/Operations Department is completing road condition data collection and will be finalizing an updated, priority completion list by the end of October/middle of November for funding consideration. Deteriorating roads conditions equally result in the potential damage claims to the Township, road user costs, etc. Deferring completion of these works will result in the need for increased budget to fund higher cost road reconstruction.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	400,000	-	-	-	-
Proceeds From Borrowing	476,684	-	-	-	-	-
Operating Revenue	-	100,000	500,000	250,000	500,000	500,000
Capital Surplus and Reserves	268,579	-	-	-	-	-
Total Funded	745,263	500,000	500,000	250,000	500,000	500,000
Unfunded		-	-	250,000	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1090 Department Transportation Project Manager Edey, Brian

ProjectTitle Overhead Flashing Beacon: Telegraph Trail and Glover Road

WorkBreakDown NEW Category TRNIMPR Project Priority Ranking **Critical**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		50,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	50,000	-	-	-	-

Project Description	To install an overhead flashing beacon at the intersection of Telegraph trail and Glover Road
Project Justification	With the opening of the 216 St Interchange in 2019, it is anticipated there will be a change in traffic patterns on Telegraph Trail and on Glover Road. The overhead flashing beacon will improve the conspicuity of the intersection.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	500	-	-	-	-
Development Cost Charges(DCCs)	-	49,500	-	-	-	-
Total Funded	-	50,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1086 Department Transportation Project Manager Swystun, Gordon

ProjectTitle Special Crosswalk: 9500 Block 216 Street

WorkBreakDown NEW Category TRNPEDS Project Priority Ranking **Critical**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		100,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	100,000	-	-	-	-

Project Description

To install a pedestrian activated overhead amber flashing special crosswalk in the 9500 block of 216 Street

Project Justification

There is an existing greenway trail on both the east and west sides of 216 Street in the 9500 block. There is no pedestrian crossing connecting the trails on the two sides. The current width of 216 street is 4 lanes and traffic volumes are expected to increase with the opening of the 216 St Interchange in 2019. The crosswalk will improve pedestrian access and safety.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	1,000	-	-	-	-
Development Cost Charges(DCCs)	-	99,000	-	-	-	-
Total Funded	-	100,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	1252	0	0	0

Operating Impact Detail: Amber flashing signal

Township of Langley
Capital Project Description

ProjectID EN243 Department Transportation Project Manager Heichert, Denise

ProjectTitle Permit Software

WorkBreakDown NEW Category ADMIN Project Priority Ranking **Critical**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		43,750	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	43,750	-	-	-	-

Project Description

To implement a permit application software tool that will allow requests on the ToL website, providing convenience to our customers and reducing the amount of staff time required to set up applications in the system for a variety of building, engineering (water, sewer & stormwater), plumbing and burning permits. This funding will purchase the software licence and provide funding to convert 4 permits.

Project Justification

The new software aligns with the Township's eGovernment strategy and allows applicants to submit a variety of permit applications through an on line platform. This will ultimately provide convenience for our customers with a 24/7 permit intake process and improved communication throughout the permitting process. Funding is requested from General Revenue, Water, Sewer, and Stormwater.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Prior Year's Surplus	-	43,750	-	-	-	-
Total Funded	-	43,750	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	23700	0	0	0

Operating Impact Detail: Annual software licence fee $7,700. Individual Permit licence fee $4,000 (x4)

Township of Langley
Capital Project Description

ProjectID EN275 Department Transportation Project Manager Tran, Bonnie

ProjectTitle Annual Transit Improvements: Various

WorkBreakDown RDS1127-01 Category TRNTRST Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		120,000	120,000	120,000	120,000	120,000
Carry Forward Amt	203,593					
Total Project Cost	203,593	120,000	120,000	120,000	120,000	120,000

Project Description

ANNUAL TOP-UP FUNDING ONLY. This annual capital project seeks funding for the construction of transit related road improvements such as sidewalks leading to bus stops, vehicle pull-out bays, wheelchair accessible bus stops, and improved bus stop facilities for pedestrians at various locations in the Township. This is a cost sharing project in partnership with TransLink (50/50 cost share).

Project Justification

The construction of transit improvements facilitates pedestrian/transit user safety, convenience for transit users, and encourages additional traditional ridership which is consistent with the Township's sustainability goals.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Others	-	60,000	60,000	60,000	60,000	60,000
Others	60,000	-	-	-	-	-
Prior Year's Surplus	-	60,000	-	-	-	-
Operating Revenue	60,000	-	60,000	60,000	60,000	60,000
Capital Surplus and Reserves	83,593	-	-	-	-	-
Total Funded	203,593	120,000	120,000	120,000	120,000	120,000
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		2000	2000	2000	2000	2000

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1056 Department Transportation Project Manager Liu, Tammy

ProjectTitle North Langley Connector Phase 2

WorkBreakDown RDS1256-01 Category TRNCYCL Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		88,000	-	-	-	-
Carry Forward Amt	916,000					
Total Project Cost	916,000	88,000	-	-	-	-

Project Description	The Northeast Langley Cycling Connector Project is the construction, signing and marking of bike lanes on 248 Street from Fraser Highway to 72 Avenue, signing and marking Telegraph Trail from 72 Ave to 80 Ave as a shared use cycling facility, and construction, signing and marking of 80 Ave from 240 Street to Telegraph with cycling lanes. Phase II would continue the work begun in Phase I, extending on Telegraph Trail from 72 Avenue to 80 Avenue. The estimated cost of the overall project is over $2M but is being presented to Council in alignment with the phases anticipated to be completed in each year. Where works are completed and funding remains, it is anticipated that the additional funding would be available for transfer to either a prior, or future phase.
Project Justification	Phase I, undertaken in 2018, started on the first phase of the project on 248 Street from Fraser Highway to 72 Avenue, is estimated at a cost of $160,000, Phase II is estimated at $1,104,000. Subsequent phases are anticipated to cost over $1M.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Prior Year's Surplus	-	88,000	-	-	-	-
Total Funded	-	88,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	6400	0	0	0

Operating Impact Detail 6400 lm of bike lane

Township of Langley
Capital Project Description

ProjectID EN306 Department Transportation Project Manager Cordeiro, Paul

ProjectTitle Annual Pedestrian Improvements

WorkBreakDown RDS1226-01 Category TRNPEDS Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		286,000	286,000	286,000	286,000	286,000
Carry Forward Amt	-					
Total Project Cost	-	286,000	286,000	286,000	286,000	286,000

Project Description

ANNUAL TOP-UP FUNDING ONLY. This is an annual capital project that seeks funding to construct pedestrian facilities that link local residential, commercial and industrial areas to nearby transit facilities and where sections of sidewalks are missing throughout the Township.

Project Justification

To improve pedestrian safety and to promote a walkable community, complete various pedestrian oriented projects. In addition, to address new requirements including disabled accessibility issues with wheelchair ramps and sidewalk let-downs. Additionally, TransLink has introduced a Walking Infrastructure to Transit (WITT) program that provides cost sharing opportunities to construct facilities to better service neighbourhoods and facilitate walking and transit trips.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Others	-	143,000	143,000	143,000	143,000	143,000
Others	-	-	-	-	-	-
Prior Year's Surplus	-	143,000	-	-	-	-
Operating Revenue	-	-	143,000	143,000	143,000	143,000
Total Funded	-	286,000	286,000	286,000	286,000	286,000
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1063 Department Transportation Project Manager Cordeiro, Paul

ProjectTitle 208 Street Corridor

WorkBreakDown NEW Category TRNWIDN Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		3,100,000	10,700,000	-	-	23,000,000
Carry Forward Amt	-					
Total Project Cost	-	3,100,000	10,700,000	-	-	23,000,000

Project Description

Item F10 of June 25 Regular Afternoon Council Meeting. 2019 - $1M for detailed design and construction estimates for east side of 208 St from 68 to 76 Avenue & $2.1M for 208 Street from 83 Ave to 84 Ave. 2020 - $10.7M for detailed design and construction estimates for 208 Street from 64 Ave to 68 Ave. 2023 - $23M (to be refined during design stage) for interim improvements for 208 Street between 64 Ave and 68 Ave, between 83 Ave and 84 Ave, and after construction estimates have been determined for 208 St between 68 Ave and 76 Ave.

Project Justification

2019: DCC ID 11R222 through11R229, 11R237 & 11R238 2020: 11R311 & 11R312

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Proceeds From Borrowing	-	-	-	-	-	-
Capital Surplus and Reserves	-	31,000	-	-	-	-
Development Cost Charges(DCCs)	-	3,069,000	-	-	-	-
Total Funded	-	3,100,000	-	-	-	-
Unfunded		-	10,700,000	-	-	23,000,000
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN264 Department Transportation Project Manager Cordeiro, Paul

ProjectTitle Truck Route Network Improvements: North Langley

WorkBreakDown NEW Category TRNIMPR Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		400,000	2,000,000	2,000,000	2,000,000	-
Carry Forward Amt	-					
Total Project Cost	-	400,000	2,000,000	2,000,000	2,000,000	-

Project Description

To undertake detailed design and construction of an alternative truck route in North Langley, approved by the Ministry of Transportation October 2018.

Project Justification

Concerns have been raised with truck traffic using existing truck routes in Fort Langley. Alternative routes need to be upgraded to accommodate goods movement prior to changes in the truck route network.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	-	400,000	-	-	-	-
Total Funded	-	400,000	-	-	-	-
Unfunded		-	2,000,000	2,000,000	2,000,000	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1088 Department Transportation Project Manager Edey, Brian

ProjectTitle Special Crosswalk: Fraser Highway at 271 Street

WorkBreakDown NEW Category TRNPEDS Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		100,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	100,000	-	-	-	-

Project Description	Upgrade the existing pedestrian crossing at 271 Street and Fraser Highway to pedestrian activated amber flashing special crosswalk. DCC ID 11R301
Project Justification	The existing crosswalk is an overhead signed and marked crossing. Given the traffic volumes on Fraser Highway, it may be beneficial to upgrade to a special crosswalk.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	1,000	-	-	-	-
Development Cost Charges(DCCs)	-	99,000	-	-	-	-
Total Funded	-	100,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN245 Department Transportation Project Manager Sun, James

ProjectTitle Intersection Improvements: 16 Avenue Corridor

WorkBreakDown RDS1220-01 Category TRNSGNL Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		1,500,000	-	-	-	-
Carry Forward Amt	3,519,917					
Total Project Cost	3,519,917	1,500,000	-	-	-	-

Project Description

The design and installation of traffic bays for speed enforcement, and traffic signals/left turn lanes at intersections on 16 Avenue with consideration of 208 St, 232 St, and 240 St as priorities and consultation with the City of Abbotsford for plans east of 272 Street. DCC ID 11R006, 11R011, 11R013

Project Justification

The need for short term improvements to address concerns accessing and crossing the 16 avenue corridor has been identified as part of the 16 avenue corridor study. The installation of traffic signals, when warranted, may improve traffic operations for cross street traffic.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Others	-	750,000	-	-	-	-
Capital Surplus and Reserves	22,526	7,500	-	-	-	-
Development Cost Charges(DCCs)	1,915,681	742,500	-	-	-	-
Others	1,581,710	-	-	-	-	-
Operating Revenue	-	-	-	-	-	-
Capital Surplus and Reserves	-	-	-	-	-	-
Total Funded	3,519,917	1,500,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		34843	0	0	0	0

Operating Impact Detail: 1200 lm of road, 4 traffic signals. Multiple work breakdowns. See Capital OBI spreadsheet for details.

Township of Langley
Capital Project Description

ProjectID EN292 Department Transportation Project Manager Swystun, Gordon

ProjectTitle Intersection Improvements: Design/Construct; Fraser Hwy at 248 St

WorkBreakDown RDS1242-01 Category TRNIMPR Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		2,372,250	3,178,000	-	-	-
Carry Forward Amt	1,894,250					
Total Project Cost	1,894,250	2,372,250	3,178,000	-	-	-

Project Description

Council requested. To design ultimate intersection improvement and to install north/south left turn lanes on Fraser Highway at 248 Street. Project will also widen Fraser Highway from 246 to 250 Streets.

Project Justification

Existing intersection is congested during peak hours. Installation of north/south left turn lanes will improve traffic flows, reduce vehicle conflicts, and improve safety.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Others	-	939,000	1,589,000	-	-	-
Capital Surplus and Reserves	7,000	14,332	15,890	-	-	-
Development Cost Charges(DCCs)	693,000	1,418,918	1,573,110	-	-	-
Others	700,000	-	-	-	-	-
Prior Year's Surplus	-		-	-	-	-
Total Funded	1,400,000	2,372,250	3,178,000	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	6185	0	0

Operating Impact Detail: 500 lm of road. Multiple work breakdowns. See Capital OBI spreadsheet for details

Township of Langley
Capital Project Description

ProjectID EN1066 Department Transportation Project Manager Cordeiro, Paul

ProjectTitle Sidewalk and Curb: 200 Street & 40 Avenue

WorkBreakDown RDS1260-01 Category TRNPEDS Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		100,000	-	-	-	-
Carry Forward Amt	1,475					
Total Project Cost	1,475	100,000	-	-	-	-

Project Description: Widening of the curb radius at the north east corner of the intersection of 200 St and 40 Ave. DCC ID 11R047

Project Justification: The northeast corner of 200 St and 40 Ave has tight turning radius for right turning vehicles on 40 Ave. Vehicles often strike the curb or trespass on the sidewalk at the corner. The project will improve the safety for both vehicle and pedestrians.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	1,000	-	-	-	-
Development Cost Charges(DCCs)	-	99,000	-	-	-	-
Prior Year's Surplus	-	-	-	-	-	-
Total Funded	-	100,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1067 Department Transportation Project Manager Cordeiro, Paul

ProjectTitle Sidewalk Widening: 200 Street 3600 block

WorkBreakDown NEW Category TRNPEDS Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		150,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	150,000	-	-	-	-

Project Description	Widening the sidewalk on the east side of 200 Street north of 36 Ave. DCC ID 11R044
Project Justification	There is a large hedge adjacent to a narrow sidewalk at the north east corner of 200 St at 36 Avenue. The narrow width is due to the narrow road right of way at this location. The project will acquire more road right of way, remove the hedge, and widen the sidewalk for improved pedestrian safety.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	1,500	-	-	-	-
Development Cost Charges(DCCs)	-	148,500	-	-	-	-
Total Funded	-	150,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN265 Department Transportation Project Manager Swystun, Gordon

ProjectTitle Road Widening: 216 Street - 88 Avenue to Telegraph Trail

WorkBreakDown NEW Category TRNWIDN Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		400,000	6,000,000	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	400,000	6,000,000	-	-	-

Project Description

To design in 2019 and construct in 2020 the ultimate road widening of 216 Street between Telegraph Trail and 88 Avenue to 4 lanes plus curb, gutter, cycling and pedestrian facilities. DCC ID 11R267

Project Justification

With the opening of the 216 Street Interchange in 2019, it is anticipated that traffic and pedestrian needs on 216 Street will require improvements north of Telegraph Trail to 88 Ave. The project would provide 4 travel lanes, median, curb and gutter, street lights and pedestrian/cycling facilities that will improve the capacity and safety of the road.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	4,000	-	-	-	-
Development Cost Charges(DCCs)	-	396,000	583,000	-	-	-
Total Funded	-	400,000	583,000	-	-	-
Unfunded		-	5,417,000	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN807 Department Transportation Project Manager Bismel, Hakim

ProjectTitle Asset Management Software (5 Way Split)

WorkBreakDown NEW Category TRNADMN Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		50,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	50,000	-	-	-	-

Project Description

As the number of Township infrastructure assets continue to grow, it is important that staff find ways to be more efficient and effective to meet long term asset management goals. This project proposes to replace the current Public Works service request/work order software with a new program that better aligns with the Township's eGovernment strategy.

Building on existing technology investments, the proposed enhancements will improve system interoperability including a direct integration with the Township's eGovernment platform to improve customer experience, deliver important mobility tools to outside workers to improve efficiency, and leverage the power of the Township's existing enterprise GIS system to provide important decision-making and asset management tools.

Project Justification

Not proceeding with implementation of new software will result in higher long term operating costs to utilize the mobility tools delivered through the existing system as well as higher costs for licensing as the new software has a more flexible population based model, rather than user-based. The new software aligns with the Township's eGovernment platform, ultimately resulting in improved online capabilities and an improved customer experience related to service requests.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	50,000	-	-	-	-
Total Funded	-	50,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN280 Department Transportation Project Manager Cordeiro, Paul

ProjectTitle Annual Development Cost Charges (DCC) Transportation Projects

WorkBreakDown RDS1036-01 Category TRNNCON Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		500,000	500,000	500,000	500,000	500,000
Carry Forward Amt	-					
Total Project Cost	-	500,000	500,000	500,000	500,000	500,000

Project Description

This is an annual capital project that seeks TOP-UP FUNDING ONLY required for design and construction of road -related works at time of development.

Project Justification

Provide funding for miscellaneous DCC Roads projects.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	5,000	5,000	5,000	5,000	5,000
Development Cost Charges(DCCs)	-	495,000	495,000	495,000	495,000	495,000
Total Funded	-	500,000	500,000	500,000	500,000	500,000
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1064 Department Transportation Project Manager Cordeiro, Paul

ProjectTitle Design & Construction: 82 Avenue Widening from 207 Street west to Yorkson Creek

WorkBreakDown NEW Category TRNWIDN Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		1,500,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	1,500,000	-	-	-	-

Project Description

Memo to Council May 2018. 82 Avenue between 207 Street west to Yorkson Creek is designated as future park and would have to be constructed by the Township for approximately 400m on the north side and 300m on the south side as well as potential widening at the 82 Avenue crossing of Yorkson Creek. In addition, portions of the road side ditch on both the north and south side of 82 Avenue are classified as Class B watercourse.

Project Justification

The portion of 82 Avenue fronting Yorkson Creek and the park will not be constructed at part of adjacent development. With increased growth in Willoughby, there is increased demand for pedestrian and other non-auto modes for the area. The road widening will improve the park frontage for all road users.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	15,000	-	-	-	-
Development Cost Charges(DCCs)	-	1,485,000	-	-	-	-
Total Funded	-	1,500,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	5318	0	0	0

Operating Impact Detail: 430 lm of road. Multiple work breakdowns. See Capital OBI spreadsheet for details.

Township of Langley
Capital Project Description

ProjectID EN340 Department Transportation Project Manager Parenteau, MiKe

ProjectTitle Vehicle: Public Spaces Waste Management Program (5 year implementation)

WorkBreakDown RDS1235-01 Category TRNADMN Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		17,000	130,000	-	-	-
Carry Forward Amt	130,000					
Total Project Cost	130,000	17,000	130,000	-	-	-

Project Description

Due to the multi-stream nature of the new public waste receptacles, new multi-stream collection vehicles will be required to collect the material streams. Similar to curbside waste and recycling services, different trucks are used to collect garbage and recycling materials.

Project Justification

An existing vehicle was utilized for the Walnut Grove pilot. This vehicle will be decommissioned in late 2018, as the program expands and more multi-stream bins are installed a vehicle that can accommodate the new streams will be required. In year three of the five year program roll-out, a second multi-stream vehicle will be required due to the expansion.If Council does not approve a new collection vehicle in 2018, staff may be able to utilize the existing vehicle used in the pilot for the duration of 2018. Continued use of this vehicle may result in mechanical failures and estimated costs to keep the vehicle operational will be $30,000. The existing garbage dump trucks will continue to service the garbage stream of the new receptacles.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Prior Year's Surplus	129,000	-	-	-	-	-
Operating Revenue	1,000	-	130,000	-	-	-
Capital Surplus and Reserves	-	17,000	-	-	-	-
Total Funded	130,000	17,000	130,000	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		40000	40000	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1197 Department Transportation Project Manager Zwaag, Roeland

ProjectTitle Jackman Pit Reclamation

WorkBreakDown NEW Category ADMIN Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		1,000,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	1,000,000	-	-	-	-

Project Description	Jackman Pit Reclamation
Project Justification	Jackman Pit Reclamation

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	1,000,000	-	-	-	-
Total Funded	-	1,000,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN249 Department Transportation Project Manager Swystun, Gordon

ProjectTitle Intersection Improvements: 216 St and Glover Rd

WorkBreakDown RDS1221-01 Category TRNSGNL Project Priority Ranking **Pre. App.**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		1,000,000	-	-	-	-
Carry Forward Amt	200,000					
Total Project Cost	200,000	1,000,000	-	-	-	-

Project Description

To undertake improvements at the intersection of 216 Street at Highway 10 (Glover Road) in partnership with MoTI. The improvements may include widening of Highway 10 and 216 street, and potential traffic signal installation and interconnection with the at-grade rail crossing warning system. DCC project 11R306. Pre-approval Report 19-03 Jan 14, 2019.

Project Justification

With the opening of the 216 Street Interchange, it is anticipated that the traffic volumes on 216 Street, between Highway 1 and Highway 10 will increase significantly. The intersection of 216 Street at Highway 10 is currently a stop controlled "T" Intersection with an at grade rail crossing of 216 street in close proximity. improvements are needed to facilitate anticipated traffic demands and to address concerns with the rail crossing. The project would be done in partnership with MoTI with the cost sharing to be determined.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	2,000	-	-	-	-	-
Development Cost Charges(DCCs)	198,000	425,700	-	-	-	-
Operating Revenue	-	574,300	-	-	-	-
Total Funded	200,000	1,000,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	8711	0	0	0

Operating Impact Detail: 300 lm of road, 1 traffic signal. Multiple work breakdowns. See Capital OBI spreadsheet for details.

Township of Langley
Capital Project Description

ProjectID EN251 Department Transportation Project Manager Swystun, Gordon

ProjectTitle Road Improvements: 216 St; 7400 Blk

WorkBreakDown RDS1222-01 Category TRNRCON Project Priority Ranking **Pre. App.**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		350,000	-	-	-	-
Carry Forward Amt	146,481					
Total Project Cost	146,481	350,000	-	-	-	-

Project Description

Item F.2 of March 19 Regular Afternoon meeting reallocated funding out of this project to the 80 Avenue - 201 to 202A Street project and provided authorization for pre-approval of 216St; 7400 Blk as part of the 2019 budget process. Re-alignment of the curve in the 7400 block of 216 Street to accommodate vehicle turning movements. The project will require widening of the road, extension of culvert off a Class A watercourse, and the relocation of overhead hydro and Telus utilities. DCC project 11R261

Project Justification

The current configuration of 216 Street is one lane in each direction with a tight curve in the 7400 block at the bottom of a hill in the southbound direction. The proposed project is required to accommodate larger vehicles, improve operating conditions and safety at the curve.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	1,465	3,500	-	-	-	-
Development Cost Charges(DCCs)	145,016	346,500	-	-	-	-
Capital Surplus and Reserves	-	-	-	-	-	-
Total Funded	146,481	350,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN257 Department Transportation Project Manager Behzadi, Pouya

ProjectTitle Intersection Improvements: 64 Ave at 232 St

WorkBreakDown RDS1202-01 Category TRNIMPR Project Priority Ranking **Pre. App.**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		550,000	-	-	-	-
Carry Forward Amt	2,058,170					
Total Project Cost	2,058,170	550,000	-	-	-	-

Project Description

To install a roundabout at the intersection of 64 Avenue at 232 Street. Traffic count and analysis undertaken in 2015 indicate a roundabout is warranted. Project would require TransLink approval as 232 St is now an MRN road. Project qualifies for funding from MFA for 64 Ave/Mufford Overpass Safety Initiatives as the project can be attributed to increased traffic resulting from the Mufford Overpass. DCC ID 11R270. Pre-approval Report 19-03 Jan 14, 2019

Project Justification

Roundabout is warranted based upon traffic volumes in 2015.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	427,340	-	-	-	-	-
Others	-	-	-	-	-	-
Proceeds From Borrowing	1,374,426	-	-	-	-	-
Capital Surplus and Reserves	-	5,500	-	-	-	-
Development Cost Charges(DCCs)	-	544,500	-	-	-	-
Others	256,404	-	-	-	-	-
Total Funded	2,058,170	550,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		4685	0	0	0	0

Operating Impact Detail 1 Roundabout

Township of Langley
Capital Project Description

ProjectID EN318 Department Transportation Project Manager Cordeiro, Paul

ProjectTitle Signal Installation: 202A Street at 76 Ave

WorkBreakDown RDS1240-01 Category TRNSIGN Project Priority Ranking **Pre. App.**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		300,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	300,000	-	-	-	-

Project Description

Item F.2 of March 19 Regular Afternoon meeting reallocated funding out of this project to the 80 Avenue - 201 to 202A Street project and provided authorization for pre-approval of this project as part of the 2019 budget process. To install a traffic signal at the intersection of 202A Street at 76 Avenue to accommodate increasing traffic demands and to improve intersection capacity in this area. DCC ID 11R174, 11R173.

Project Justification

The Willoughby/Willowbrook community development and growth has necessitated the installation of a traffic signal to improve intersections' capacity and road safety for motorists, cyclists, and pedestrians. A new high school is being constructed at the northwest corner of 202A Street and 76 Avenue and the traffic signal will facilitate access from the school.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	3,000	-	-	-	-
Development Cost Charges(DCCs)	-	297,000	-	-	-	-
Total Funded	-	300,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		5000	0	0	0	0

Operating Impact Detail 1 signal

Township of Langley
Capital Project Description

ProjectID EN277 Department Transportation Project Manager Heichert, Denise

ProjectTitle ICBC Unidentified Funding

WorkBreakDown RDS1225-01 Category TRNADMN Project Priority Ranking NA

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		250,000	250,000	250,000	250,000	250,000
Carry Forward Amt	-					
Total Project Cost	-	250,000	250,000	250,000	250,000	250,000

Project Description	To provide budget authority for ICBC funding received through the year on various Capital projects.
Project Justification	To provide budget for ICBC funding for capital projects not budgeted for in Transportation.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Others	-	250,000	250,000	250,000	250,000	250,000
Capital Surplus and Reserves	-	-	-	-	-	-
Total Funded	-	250,000	250,000	250,000	250,000	250,000
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN282 Department Transportation Project Manager Cordeiro, Paul

ProjectTitle Unidentified Externally Funded Projects

WorkBreakDown RDS1032-01 Category TRNADMN Project Priority Ranking NA

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
Carry Forward Amt	-					
Total Project Cost	-	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000

Project Description	Externally funded projects not in budget.
Project Justification	To provide budget for externally funded capital projects not budgeted for in Transportation.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Others	-	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
Total Funded	-	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN273 Department Transportation Project Manager Liu, Tammy

ProjectTitle Annual Commuter Cycling Improvements

WorkBreakDown RDS1224-01 Category TRNCYCL Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		1,020,000	820,000	820,000	820,000	820,000
Carry Forward Amt	-					
Total Project Cost	-	1,020,000	820,000	820,000	820,000	820,000

Project Description	ANNUAL TOP-UP FUNDING ONLY. This annual capital project seeks funding for the construction of bicycle lanes at various locations throughout the Township as part of the Ultimate Cycling Network endorsed by Council. Funded in partnership with TransLink (50/50 cost share) BICCS Program.
Project Justification	This project is intended to increase cycling ridership in our municipality - consistent with our sustainability goals - and to decrease road safety hazards for cyclists.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Others	-	510,000	410,000	410,000	410,000	410,000
Others	-	-	-	-	-	-
Operating Revenue	-	-	410,000	410,000	410,000	227,000
Capital Surplus and Reserves	-	-	-	-	-	-
Total Funded	-	510,000	820,000	820,000	820,000	637,000
Unfunded		510,000	-	-	-	183,000
*Estimated Annual Operating Impact		5000	5000	5000	5000	5000

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1085 Department Transportation Project Manager Cordeiro, Paul

ProjectTitle Traffic Signal: Glover Road and 96 Avenue

WorkBreakDown NEW Category TRNSGNL Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		400,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	400,000	-	-	-	-

Project Description	The installation of a full traffic signal at the intersection of 96 Ave and Glover Road with a northbound left turn bay.
Project Justification	The intersection warrants the installation of a full traffic signal based upon Transportation Association of Canada guidelines. The northbound left turn bay will improve traffic operations and safety. The traffic signal will also include pedestrian activated crossings both east west and north south improving safety for pedestrians.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		400,000	-	-	-	-
*Estimated Annual Operating Impact		0	5000	0	0	0

Operating Impact Detail Traffic Signal

Township of Langley
Capital Project Description

ProjectID EN276 Department Transportation Project Manager Schmidt, Ryan

ProjectTitle Public Spaces Waste Receptacles: Various Locations (5 year implementation)

WorkBreakDown RDS1241-01 Category TRNMISC Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		353,000	457,000	272,000	394,000	-
Carry Forward Amt	140,000					
Total Project Cost	140,000	353,000	457,000	272,000	394,000	-

Project Description

Continuation of the 5 year full-scale implementation plan which would see all existing garbage receptacles converted to new multi-stream receptacles.

Project Justification

A program aimed at managing waste produced in public spaces will help the Township reach the regional waste diversion goal of 80% by 2020. Along with the regional diversion target, Metro Vancouver has also instated material bans under their Tipping Fee Bylaw No. 302 – Banned and Prohibited materials that the Township must adhere to. The banned and prohibited materials include: large amounts of pet excrement, recyclable materials and food waste. If the Township does not comply with this bylaw it could face a surcharge of 50% of the applicable tipping fee on each load brought to the transfer station. Several Township loads have been rejected at the transfer station due to the high amount of pet waste contained in the loads (i.e., exceeding the maximum percentage of contamination set by Metro Vancouver).If the program does not move forward to full expansion, the Township will face additional surcharges at waste disposal sites and may be refused access to local transfer stations for not complying with the banned materials bylaws. Further funding sources through the Fees and Charges Bylaw will be presented to Council during the annual bylaw update.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	140,000	-	457,000	272,000	394,000	-
Total Funded	140,000	-	457,000	272,000	394,000	-
Unfunded		353,000	-	-	-	-
*Estimated Annual Operating Impact		33400	119650	24900	36400	36400

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN221 Department Transportation Project Manager Cordeiro, Paul

ProjectTitle Road Widening: 238 Street between 52 Avenue and 53A Avenue

WorkBreakDown NEW Category WTRMAIN Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		100,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	100,000	-	-	-	-

Project Description

Scope of Work includes widening 238 Street to 6.0 metres between 52 Avenue and the newly constructed (by development) road. The project will include a gravel shoulder and repairing/reconstructing the damaged areas of 238 Street, a former dead-end local rural road.

Project Justification

A recent development constructed a new 6.0 metre wide asphalt road that now provides connection along 238 Street from 53A Avenue to 52 Avenue where the DW Poppy School is located. The existing road is only 4.5 metres wide which requires upgrading to 6.0 metres to allow for vehicles and school buses to pass each other safely.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	-	-	-	-	-
Development Cost Charges(DCCs)	-	-	-	-	-	-
Total Funded	-	-	-	-	-	-
Unfunded		100,000	-	-	-	-
*Estimated Annual Operating Impact		0	9000	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN326 Department Transportation Project Manager Edey, Brian

ProjectTitle Sidewalk Improvements: 272 Street; 28 to 29 Ave

WorkBreakDown RDS1228-01 Category TRNPAVE Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		45,000	-	-	-	-
Carry Forward Amt	8,402					
Total Project Cost	8,402	45,000	-	-	-	-

Project Description	Sidewalk repairs are required on 272 Street south of Fraser Highway to address pedestrian safety.
Project Justification	Severe damaged sections from tree roots have caused numerous tripping hazards and resulted in some claims.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	8,402	-	-	-	-	-
Total Funded	8,402	-	-	-	-	-
Unfunded		45,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1100 Department Transportation Project Manager Edey, Brian

ProjectTitle Road Reconstruction & Street Lighting: McBride Lane

WorkBreakDown NEW Category SWADMIN Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		85,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	85,000	-	-	-	-

Project Description	Reconstruction of McBride Lane between Glover Road and McBride Street, along with street light installation comprised of extending power and installing LED-type street lights.
Project Justification	McBride Lane connects McBride Street and Glover Road, serving three existing driveways including access to the parking lot of the Fort Langley Community Hall. There are currently no street lights on this lane and the existing road surface is in poor condition.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Others	-	17,675	-	-	-	-
Total Funded	-	17,675	-	-	-	-
Unfunded		67,325	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN290 Department Transportation Project Manager Edey, Brian

ProjectTitle Annual Bridge Infrastructure Remediation

WorkBreakDown RDS1172-01 Category TRNBRDG Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		100,000	100,000	100,000	100,000	100,000
Carry Forward Amt	-					
Total Project Cost	-	100,000	100,000	100,000	100,000	100,000

Project Description

TOP-UP FUNDING REQUEST ONLY. This is an annual capital project that seeks funding to complete bridge infrastructure remediation to municipal bridges as identified and prioritized in 2015 report by consultant (ISL). A number of smaller bridge maintenance and repairs were noted for completion over the next several years. The majority of this work will be completed with in-house staff & crews.

Project Justification

To avoid catastrophic failures and to better ensure vehicle and pedestrian traffic safety. Delay in repairs may result in higher maintenance or replacement costs.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	-	-	-	-	-
Operating Revenue	-	-	-	100,000	100,000	100,000
Capital Surplus and Reserves	-	-	-	-	-	-
Total Funded	-	-	-	100,000	100,000	100,000
Unfunded		100,000	100,000	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN327 Department Transportation Project Manager Edey, Brian

ProjectTitle Road Construction: 264 St; 80 Ave to 84 Ave

WorkBreakDown NEW Category TRNPAVE Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		265,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	265,000	-	-	-	-

Project Description	264 Street road surface (80 to 84 Avenues) is extremely uneven and requires reconstruction. Road base needs to be replaced with a light weight fill to improve vehicle safety.
Project Justification	The uneven sections of road require reconstruction to improve vehicle safety. Project will also assist in mitigating flooding events at this location. Similar road surfaces in the past have added to increased potential of motor vehicle accidents as the road has sunken in numerous areas.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		265,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN329 Department Transportation Project Manager Edey, Brian

ProjectTitle Road Reconstruction: 91 Ave; 272 St to 276 St

WorkBreakDown NEW Category TRNPAVE Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		270,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	270,000	-	-	-	-

Project Description	Reconstruction of 91 Ave from 272 Street to 276 Street as road surface is extremely uneven and deteriorated.
Project Justification	Road requires repair to improve road safety and reduce potential for damage to travelling vehicles. If work is not done soon additional funds will be required as the road is getting worse and full road structure replacement will be required.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		270,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN342 Department Transportation Project Manager Edey, Brian

ProjectTitle Reconstruction - 232 St (8 Ave to 10 Ave)

WorkBreakDown NEW Category TRNPAVE Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		175,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	175,000	-	-	-	-

Project Description	Reconstruction of 232 St from 8 Ave to 10 Ave required due to failing road surface as it is extremely uneven and deteriorated which can cause a vehicle to go off the travel section or be damaged.
Project Justification	Road continues to fail and require ongoing maintenance but has reached the end of it's useful life and requires replacement. Reconstruction is required to improve safety for vehicular traffic and mitigate potential for vehicle damage.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		175,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN341 Department Transportation Project Manager Edey, Brian

ProjectTitle Reconstruction: 92A Avenue (198 St to 200 St)

WorkBreakDown NEW Category TRNPAVE Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		410,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	410,000	-	-	-	-

Project Description	Major truck route road pavement surface has been failing and requires milling and overlay paving.
Project Justification	Road continues to fail and require ongoing maintenance but has reached the end of it's useful life and requires replacement. Current high frequency of maintenance visit and costs. There is an existing sidewalk replacement project that this could be done in conjunction to keep costs down.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		410,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN254 Department Transportation Project Manager Edey, Brian

ProjectTitle Paving: 264 Street - 300 Block

WorkBreakDown NEW Category TRNPAVE Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		170,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	170,000	-	-	-	-

Project Description	New project as a result of Government widening Hwy 13. Reconstructing 264 Street north of 3B Avenue
Project Justification	MoTI is widening Highway 13 from 0 Ave to 8 Ave and a new roadway between 264 St and Highway 13 along 3B Avenue. Existing 264 St north of 3B Avenue is inadequate.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	-	-	-	-	-	-
Total Funded	-	-	-	-	-	-
Unfunded		170,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1091 Department Transportation Project Manager Brar, Robby

ProjectTitle Slope Stability: 56 Avenue - 24200 Blk

WorkBreakDown RDS1258-01 Category TRNPAVE Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		500,000	-	-	-	-
Carry Forward Amt	30,000					
Total Project Cost	30,000	500,000	-	-	-	-

Project Description

Geotechnical consulting engineering and remediation works to assess, provide remediation options, and complete repair works for slope stability.

Project Justification

Re-occurring asphalt cracks in the roadway are indicating slope movement. A geotechnical consultant needs to be engaged to complete a slope stability analysis and provide recommendations. These recommendations should then be implemented to avoid further cracking of the asphalt and movement of the slope.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		500,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN311 Department Transportation Project Manager Tran, Bonnie

ProjectTitle Sidewalk: 96 Ave in Fort Langley

WorkBreakDown RDS1204-01 Category TRNPEDS Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		1,000,000	-	-	-	-
Carry Forward Amt	63,845					
Total Project Cost	63,845	1,000,000	-	-	-	-

Project Description	Phase II in 2019 proposes continuation of the sidewalks installed on the north and south side of 96 Avenue in 2018 to provide pedestrian facilities for the entire length of the road in Fort Langley from Edal Street west.
Project Justification	Pedestrian access will remain at grade on the open shoulder of 96 Avenue without a dedicated pedestrian sidewalk should this project not proceed.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	56,914	-	-	-	-	-
Others	1,079	-	-	-	-	-
Capital Surplus and Reserves	5,852	-	-	-	-	-
Total Funded	63,845	-	-	-	-	-
Unfunded		1,000,000	-	-	-	-
*Estimated Annual Operating Impact		700	0	0	0	0

Operating Impact Detail 700 lm bike lane (both sides).

Township of Langley
Capital Project Description

ProjectID EN1093 Department Transportation Project Manager Brar, Robby

ProjectTitle Museum of Flight Access: Airport

WorkBreakDown NEW Category TRNIMPR Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		1,900,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	1,900,000	-	-	-	-

Project Description	Installation of a right turn bay along Fraser Highway and an access road for the Museum of flight.
Project Justification	A left turn bay and access road are required to provide safe access to the proposed Museum of Flight.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	-	-	-	-	-
Total Funded	-	-	-	-	-	-
Unfunded		1,900,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN325 Department Transportation Project Manager Cordeiro, Paul

ProjectTitle Interchange: Hwy 1 at 232 Street

WorkBreakDown NEW Category TRNNCON Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		9,000,000	9,000,000	9,000,000	-	-
Carry Forward Amt	-					
Total Project Cost	-	9,000,000	9,000,000	9,000,000	-	-

Project Description

Hwy 1 216 to 264 – March 6, 2017 Special Closed. MOTI – funding up to 1/3 of of interchange component of next phase of hwy 1 improvements from 216 to 264 for new interchange at 232. Not exceeding $27,000,000 utilizing borrowing and DCC revenues. Staff to request addition of east and westbound on and off ramps at Glover, intersection of 232 and 72 to be roundabout and scope to be expanded to include as much of Hwy 1 interchange at 264, as funding permits.

Project Justification

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	-	-	-	-	-
Development Cost Charges(DCCs)	-	-	-	-	-	-
Operating Revenue	-	-	-	-	-	-
Total Funded	-	-	-	-	-	-
Unfunded		9,000,000	9,000,000	9,000,000	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1161 Department Transportation Project Manager Cordeiro, Paul

ProjectTitle Intersection Improvements: 56 Avenue and 240 Street

WorkBreakDown NEW Category TRNIMPR Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		1,000,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	1,000,000	-	-	-	-

Project Description

Council resolution of Sept 17, 2018 "That a traffic light at 240 Street and 56 Avenue, and 224 Street and 56 Avenue be referred to the 2019 budget discussions."

Project Justification

The location has a cumulative warrant of 93 points in accordance with the Traffic Signal and Pedestrian Signal Head Warrant Handbook by TAC (2014). There is also an elementary school to the south of 56 Ave/240 Street, and a potential development project to the north of the intersection that may result in increased traffic volumes that would bring the warrant over the threshold.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		1,000,000	-	-	-	-
*Estimated Annual Operating Impact		0	5000	0	0	0

Operating Impact Detail: 1 traffic signal

Township of Langley
Capital Project Description

ProjectID EN1162 Department Transportation Project Manager Cordeiro, Paul

ProjectTitle Intersection Improvements: 56 Avenue and 224 Street

WorkBreakDown NEW Category TRNIMPR Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		1,000,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	1,000,000	-	-	-	-

Project Description	Council resolution of Sept 17, 2018. "That a traffic light at 240 Street and 56 Avenue, and 224 Street and 56 Avenue be referred to the 2019 budget discussions."
Project Justification	The location has a cumulative warrant of 61 points; according to the Traffic Signal and Pedestrian Signal Head Warrant Handbook by TAC (2014).

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		1,000,000	-	-	-	-
*Estimated Annual Operating Impact		0	5000	0	0	0

Operating Impact Detail 1 traffic signal

Township of Langley
Capital Project Description

ProjectID EN287 Department Transportation Project Manager Welfing, Richard

ProjectTitle Road Restoration: Old Yale Road; 216 to Fraser Highway

WorkBreakDown TRN1005-01 Category TRNNCON Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		400,000	5,000,000	-	-	-
Carry Forward Amt	8,805					
Total Project Cost	8,805	400,000	5,000,000	-	-	-

Project Description

To begin civil construction for Old Yale Road Restoration from 216 Street to the Langley City boundary. A preferred option was developed through a community consultation process in 2015.

Project Justification

Old Yale Road is a designated heritage road. The road is in poor and deteriorating condition, which needs to be addressed. In addition, given that there is an elementary school on the road near 216 Street, there have been requests for an enhanced pedestrian environment. The installation of a traffic signal at Fraser Highway/Old Yale Road, has also resulted in increased traffic volumes using Old Yale Road. A conceptual plan was developed for the ultimate road standard and restoration of Old Yale Road in consultation with the community and the Township's Heritage Advisory Committee.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	8,805	-	-	-	-	-
Total Funded	8,805	-	-	-	-	-
Unfunded		400,000	5,000,000	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN316 Department Transportation Project Manager Parenteau, MiKe

ProjectTitle Vehicle: Transportation Department

WorkBreakDown NEW Category TRNADMN Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		40,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	40,000	-	-	-	-

Project Description	New vehicle for Transportation Department.
Project Justification	The Transportation engineering department has two vehicles. The department consists of 9 staff members who currently share the use of the two vehicles. One of the vehicles is a pickup truck which, rather than being sent to auction, was lent to the department after it had been replaced at the end of its expected service life to ensure adequate transportation needs. The vehicle can no longer be safely operated, and the transportation department cannot effectively undertake the management of the transportation capital program, processing permits, and responding to customer service requests unless it has two vehicles available for use.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		40,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1092 Department Transportation Project Manager Parenteau, MiKe

ProjectTitle Vehicle: Engineering Services (4 way split)

WorkBreakDown NEW Category TRNADMN Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		10,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	10,000	-	-	-	-

Project Description: New vehicle for engineering services to allow staff to complete their field duties.

Project Justification: Staff are currently sharing vehicles within the department and approximately 1-2 times per week are encountering situations where vehicles are not available for use. A calendar is set up for booking of vehicles in advance, however there are just not enough vehicles available. This delays the field work and increases response times for inspections and responses to residents.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		10,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN260 Department Transportation Project Manager Parenteau, MiKe

ProjectTitle Vehicle: Transportation Portion of a 5 way split

WorkBreakDown NEW Category TRNADMN Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		8,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	8,000	-	-	-	-

Project Description

Vehicle for Service Enhancement request for BC One Call Infrastructure Asset Tech. Funding request in Water, Sewer, Stormwater, Transportation and Parks.

Project Justification

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		8,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1080 Department Transportation Project Manager Edey, Brian

ProjectTitle Street Banner Program

WorkBreakDown NEW Category TRNMISC Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		150,000	50,000	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	150,000	50,000	-	-	-

Project Description	Installations of community (overhead and across roadway) street banner infrastructure to assist community event advertising. Proposed locations are in Aldergrove, Brookswood, Fort Langley
Project Justification	Recent installation of an overhead street banner on Fraser Highway at 26900 block has increased the requests from residents and community event organizers for banners in other locations. Also needed is a banner location on the Abbotsford approach to Aldergrove. Some minor cost recovery could be realized from rental / approval processes.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	-	-	50,000	-	-	-
Total Funded	-	-	50,000	-	-	-
Unfunded		150,000	-	-	-	-
*Estimated Annual Operating Impact		4000	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1082 Department Transportation Project Manager Edey, Brian

ProjectTitle Off Street Parking Lot: Aldergrove - Fraser Hwy at 272

WorkBreakDown NEW Category TRNIMPR Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		280,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	280,000	-	-	-	-

Project Description

Site preparation and paving of a parking area in Aldergrove for overflow parking to address current parking issues and Aldergove community events.

Project Justification

Parking needs in downtown Aldergove have increased since the opening of the Aldergrove Credit Union Community Center and has resulted in increased community requests for parking areas.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		280,000	-	-	-	-
*Estimated Annual Operating Impact		0	1000	0	0	0

Operating Impact Detail: 6300 m2 parking lot

Township of Langley
Capital Project Description

ProjectID EN1089 Department Transportation Project Manager Edey, Brian

ProjectTitle Crosswalk: 56 Avenue and 216 Street

WorkBreakDown NEW Category TRNPEDS Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		30,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	30,000	-	-	-	-

Project Description	To add a pedestrian crossing to the north leg of 56 ave and 216 Street
Project Justification	There are currently crosswalks on the west and south sides of the intersection of 56 Ave/216 St. Pedestrians on the north side of 56 Ave east of 216 Street do not have a crossing available at the intersection and must cross at an uncontrolled/signalized location. The crossing will improve safety for pedestrians.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		30,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1084 Department Transportation Project Manager Edey, Brian

ProjectTitle Sidewalk: 206 Street, 4200 to 4400 Block

WorkBreakDown NEW Category TRNPEDS Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		60,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	60,000	-	-	-	-

Project Description: Construction of a walkway on the east side of 206 Street north of 42 Ave to the City of Langley boundary, adjacent to the George Preston Recreation Centre.

Project Justification: Concerns have been raised regarding the lack of sidewalks on 206 Street north of 42 Avenue. There is an existing sidewalk fronting the rec centre and this project will connect that sidewalk to an existing sidewalk to the north 44 Avenue.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		60,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1079 Department Transportation Project Manager Edey, Brian

ProjectTitle Storage and Processing Station: Vactor

WorkBreakDown NEW Category TRNMISC Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		80,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	80,000	-	-	-	-

Project Description	Installation of storage and sorting site area for road construction (hydro-vactor) materials to recycling and re-use of road gravels
Project Justification	Due to Environmental requirements a storage system is required to handle road construction (hydro-vactor) materials to recycle and re-use road gravels. Without a local site for Township departments there will be a sharp increased cost for construction for trucking and handling of materials for all internal maintenance and construction projects.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		80,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN298 Department Transportation Project Manager Edey, Brian

ProjectTitle Replace Streetlight Poles & Underground Wiring: Willowbrook Area

WorkBreakDown NEW Category TRNLGHT Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		150,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	150,000	-	-	-	-

Project Description

Replace streetlights in Willowbrook area (196 Street, 197 Street, 198 Street between Fraser Highway and 64 Avenue) - including pole and underground wiring replacement.

Project Justification

Existing poles and underground wiring have degraded. Replacement will improve safety, help to prevent fires within light infrastructure and help to avoid loss of streetlight functionality.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		150,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN304 Department Transportation Project Manager Edey, Brian

ProjectTitle LED Street Light Program: Multiple Locations

WorkBreakDown NEW Category TRNLGHT Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		640,000	680,000	660,000	720,000	720,000
Carry Forward Amt	-					
Total Project Cost	-	640,000	680,000	660,000	720,000	720,000

Project Description

Staff have conducted an extensive review of regional best practices, review of the Township's existing street lighting infrastructure, and review of LED pilots and infrastructure. Based on the research to date, staff recommend replacing all existing street lighting in the Township, including roadway and pedestrian sidewalk lighting, with new LED fixtures. The LED conversion project aims to bring the Township's current infrastructure to the same standard we now require for new developments through amendments in 2011 to the Subdivision & Development Servicing Bylaw.

Project Justification

The potential for energy savings using state-of-the-art technology will result in reduced costs Township wide. At the end of the 5 year installation project, there is an estimated annual savings potential of over 50% for energy and maintenance costs, resulting in a net 0 cost of implementation over a 15 year period.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	-	-	-	660,000	143,000	720,000
Total Funded	-	-	-	660,000	143,000	720,000
Unfunded		640,000	680,000	-	577,000	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1094 Department Transportation Project Manager Edey, Brian

ProjectTitle Road Construction: 48 Avenue 272 to 276 Street

WorkBreakDown NEW Category TRNNCON Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		360,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	360,000	-	-	-	-

Project Description	Reconstruction of 48 Avenue from 276 Street (Abbotsford boundary) to 272 Street. This is a major link to the Gloucester industrial area that requires road reconstruction due to deteriorating road surface.
Project Justification	Road continues to fail and require ongoing maintenance but has reached the end of it's useful life and requires replacement. Reconstruction is required to improve safety for vehicular traffic and mitigate potential for vehicle damage.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		360,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1078 Department Transportation Project Manager Edey, Brian

ProjectTitle Road Reconstruction: Clovermeadows Crescent

WorkBreakDown NEW Category TRNPAVE Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		175,000	275,000	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	175,000	275,000	-	-	-

Project Description

Reconstruction / grind and patch of Clovermeadows Crescent (east of 232 Street) is required due to failing road surface as it is extremely uneven and deteriorated which can cause a vehicle to go off the travel section or be damaged.

Project Justification

Road continues to fail and require ongoing maintenance but has reached the end of it's useful life and requires replacement. Reconstruction is required to improve safety for vehicular traffic and mitigate potential for vehicle damage. Numerous residential requests have been received for road paving on this street.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		175,000	275,000	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN305 Department Transportation Project Manager Cordeiro, Paul

ProjectTitle Annual Pre-Engineering & Functional Design Transportation Projects

WorkBreakDown NEW Category TRNRCON Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		75,000	75,000	75,000	75,000	75,000
Carry Forward Amt	-					
Total Project Cost	-	75,000	75,000	75,000	75,000	75,000

Project Description

ANNUAL TOP-UP FUNDING ONLY. This is an annual capital project that seeks funding to complete pre-engineering and functional designs to identify requirements associated to proposed capital projects. This provides for more effective detailed cost estimates and efficient project scheduling.

Project Justification

Proactive approach to reduce cost of capital works through strategic sequencing. Having "shovel ready" capital projects - where pre-engineering and functional designs are ready in advance - also Increases opportunities to secure external grant funding from federal and provincial governments. For many grants, these project pre-works are a requirement to secure funding.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		75,000	75,000	75,000	75,000	75,000
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN235 Department Transportation Project Manager Cordeiro, Paul

ProjectTitle Annual Traffic Calming Projects

WorkBreakDown TRN1001-01 Category TRNCALM Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		100,000	100,000	100,000	100,000	100,000
Carry Forward Amt	-					
Total Project Cost	-	100,000	100,000	100,000	100,000	100,000

Project Description

To complete traffic safety improvements and traffic calming measures at various locations throughout the Township. Priority traffic calming locations are those fronting elementary schools and playgrounds.

Project Justification

There is a significant public demand for traffic calming throughout the Township primarily focused on congestion near schools, creating concerns from local residents. Currently, there are over 75 locations that have requested to have traffic calming implemented.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	-	-	-	-	-
Total Funded	-	-	-	-	-	-
Unfunded		100,000	100,000	100,000	100,000	100,000
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN283 Department Transportation Project Manager Cordeiro, Paul

ProjectTitle Development Coordinated Works

WorkBreakDown RDS1057-01 Category TRNNCON Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		100,000	100,000	100,000	100,000	100,000
Carry Forward Amt	19,000					
Total Project Cost	19,000	100,000	100,000	100,000	100,000	100,000

Project Description

To allow for cost sharing with development projects whereby savings can be achieved through economies of scale.

Project Justification

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	19,000	-	-	-	-	-
Total Funded	19,000	-	-	-	-	-
Unfunded		100,000	100,000	100,000	100,000	100,000
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1081 Department Transportation Project Manager Edey, Brian

ProjectTitle GPS Fire Pre-emption Traffic Signals

WorkBreakDown NEW Category TRNSGNL Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		200,000	200,000	200,000	-	-
Carry Forward Amt	-					
Total Project Cost	-	200,000	200,000	200,000	-	-

Project Description

Upgrading of antiquated fire pre-emption equipment at traffic signal intersections to a new GPS version that will enhance response to provide priority to approaching fire trucks.

Project Justification

Old system equipment and parts are past life span and are harder to obtain. Newer upgraded system enhances the response times of traffic signals providing unimpeded movement of fire trucks responding to emergency events, and offers additional operational features for improving overall tracking.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		200,000	200,000	200,000	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN302 Department Transportation Project Manager Edey, Brian

ProjectTitle Local Road Reconstruction: 267 Street

WorkBreakDown NEW Category TRNPAVE Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		500,000	500,000	500,000	-	-
Carry Forward Amt	-					
Total Project Cost	-	500,000	500,000	500,000	-	-

Project Description

Scope of work for this project includes full reconstruction of 267 Street, north of 64 Avenue. This road section is approximately 1.7km long and is classified as a rural local road. The asphalt road surface is in poor condition and the road base has failed or is non-existing. Staff propose to fund the project over 3 years.

Project Justification

Limited funding is available for local road repairs and paving. Since 2015, crews have repaired ±900 potholes (costing approximately $45,000) and spent an additional $100,000 on repairing larger sections to ensure public safety. As stated, the road base has failed and this section of road requires expensive and ongoing maintenance and repairs. If not funded, the road will continue to get worse and would require additional funding to repair.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		500,000	500,000	500,000	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1000 Department Transportation Project Manager Edey, Brian

ProjectTitle Patching Hot Box Trailer

WorkBreakDown NEW Category TRNMISC Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		40,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	40,000	-	-	-	-

Project Description	Purchase of a trailer with hot box to support the roads department paving maintenance program.
Project Justification	Existing paving equipment is better utilized with a larger crew on arterial and collector roads. The new trailer would allow a 2 man crew to patch potholes and cracks on local road more efficiently and improve response times.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		40,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN300 Department Transportation Project Manager Edey, Brian

ProjectTitle Centric Upgrade: Traffic Signal Management System

WorkBreakDown NEW Category TRNSGNL Project Priority Ranking **Low**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		20,000	70,000	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	20,000	70,000	-	-	-

Project Description

This project, the addition of adaptive module for the advance transportation management system, is proposed to include increased radio communications for the detection units to be installed mid-block to detect congestion delays and vehicle speeds. It then sends a radio signal to adjacent intersection traffic controller to adjust signal timing to maintain traffic flow at a prescribed speed.The Township currently uses camera technology at 98% of our intersections but does not record any images. The planned detection cameras are fixed in place and are preset to detect large items (i.e. vehicles, buses and trucks). This would be a multi-year program for the next four years. Primary area of concentration includes major road corridors including 200 Street, 64 Avenue, and 88 Avenue.

Project Justification

Without the next phases of growth in the Traffic Management systems, the system will not be fully able to adjust and handle the ever increasing traffic congestion experienced on Township roads/road networks. These additional systems will make traffic signals more reactive to the ever changing traffic patterns and reduce potential delays.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Others	-	-	-	-	-	-
Total Funded	-	-	-	-	-	-
Unfunded		20,000	70,000	-	-	-
*Estimated Annual Operating Impact		0	1500	0	0	0

Operating Impact Detail

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Funding Status	Department Name	Ranking	ProjectTitle	ProjectID	Total	Capital Surplus and Reserves
Inside	Fleet Services	Medium	Annual Unanticipated Equipment Replacement	EN1138	100,000	100,000
Inside	Fleet Services	Medium	Van Replacement: 143-V041	EN1139	45,000	45,000
Inside	Fleet Services	Medium	Van Replacement: 144-V041	EN1140	46,000	46,000
Inside	Fleet Services	Medium	Dump Truck (Med) Replacement: 22-V011	EN1141	90,000	90,000
Inside	Fleet Services	Medium	Dump Truck (Med) Replacement: 24-V011	EN1142	90,000	90,000
Inside	Fleet Services	Medium	Garbage Truck Replacement: 683-V029	EN1143	180,000	180,000
Inside	Fleet Services	Medium	Dump Trucks (Med): Public Works	EN1144	1,000,000	1,000,000
Inside	Fleet Services	Medium	Gang Mower Replacement: 977-E051	EN1145	133,000	133,000
Inside	Fleet Services	Medium	Road Mower Replacement: 913-E021	EN1146	190,000	190,000
Inside	Fleet Services	Medium	Pick Up Truck (Medium) Replacement: 106-V032	EN1149	54,000	54,000
Inside	Fleet Services	Medium	Service Truck Replacement: 715-V052	EN1151	75,000	75,000
Inside	Fleet Services	Medium	Service Truck Replacement: 676-V052	EN1152	100,000	100,000
Inside	Fleet Services	Medium	Trailer Replacement: 260-V073	EN1153	16,000	16,000
Inside	Fleet Services	Medium	Trailer Replacement: 244-V073	EN1154	16,000	16,000
Inside	Fleet Services	Medium	Pick Up Truck (Full Size) Replacement: 93-V032	EN1155	54,000	54,000
Inside	Fleet Services	Medium	Service Truck (Light) Replacement: 741-V051	EN1156	65,000	65,000
Inside	Fleet Services	Medium	Trash Pump Replacement: 414-V074	EN1157	65,000	65,000
Inside	Fleet Services	Medium	Pick Up Truck (Light) Replacement: 110-V032	EN1160	54,000	54,000
Inside	Fleet Services	Medium	Annual Small Equipment Replacement	EN800	30,000	30,000
Inside	Fleet Services	Medium	Annual Garage - Equipment Tools Replacement	EN802	20,000	20,000
Inside	Fleet Services	Medium	Annual Equipment Upgrading	EN803	50,000	50,000
Inside	Fleet Services	Medium	Hybrid Passenger Vehicle Replacement: 164-V062	EN808	45,000	45,000
Inside	Fleet Services	Medium	Pick Up Truck (Compact) Replacement 40-V013	EN831	45,000	45,000
Inside	Fleet Services	Medium	Hybrid Passenger Vehicle Replacement: 163-V062	EN844	45,000	45,000
Inside	Fleet Services	Medium	Service Truck (Medium) Replacement 34-V052	EN845	100,000	100,000
Inside	Fleet Services	Medium	Dump Truck (Heavy) Replacement 16-V013	EN853	300,000	300,000
Inside Total	Fleet Services				**3,008,000**	**3,008,000**
	Fleet Services Total				**3,008,000**	**3,008,000**

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Township of Langley
Capital Project Description

ProjectID EN1138 Department Fleet Services Project Manager Parenteau, MiKe

ProjectTitle Annual Unanticipated Equipment Replacement

WorkBreakDown NEW Category FLTADMN Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		100,000	100,000	100,000	100,000	100,000
Carry Forward Amt	-					
Total Project Cost	-	100,000	100,000	100,000	100,000	100,000

Project Description

ANNUAL TOP UP FUNDING ONLY. This project proposes to provide budget authority for unexpected vehicle replacement requirements throughout the year.

Project Justification

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	100,000	100,000	100,000	100,000	100,000
Total Funded	-	100,000	100,000	100,000	100,000	100,000
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1139 Department Fleet Services Project Manager Parenteau, MiKe

ProjectTitle Van Replacement: 143-V041

WorkBreakDown NEW Category FLTVAN Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		45,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	45,000	-	-	-	-

Project Description	Scheduled Replacement of IT Van 143-V041
Project Justification	This is a scheduled replacement of a van that has completed its cost effective life cycle.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	45,000	-	-	-	-
Total Funded	-	45,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1140 Department Fleet Services Project Manager Parenteau, MiKe

ProjectTitle Van Replacement: 144-V041

WorkBreakDown NEW Category FLTVAN Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		46,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	46,000	-	-	-	-

Project Description	Scheduled Replacement of PLI Van 144-V041
Project Justification	This is a scheduled replacement of a van that has completed its cost effective life cycle.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	46,000	-	-	-	-
Total Funded	-	46,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1141 Department Fleet Services Project Manager Parenteau, MiKe

ProjectTitle Dump Truck (Med) Replacement: 22-V011

WorkBreakDown NEW Category FLTDMPH Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		90,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	90,000	-	-	-	-

Project Description	Scheduled Replacement of Medium Dump Truck 22-V011 for Construction
Project Justification	This is a scheduled replacement of a dump truck that has completed its cost effective life cycle.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	90,000	-	-	-	-
Total Funded	-	90,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1142 Department Fleet Services Project Manager Parenteau, MiKe

ProjectTitle Dump Truck (Med) Replacement: 24-V011

WorkBreakDown NEW Category FLTDMPH Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		90,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	90,000	-	-	-	-

Project Description	Scheduled Replacement of Medium Dump Truck 24-V011 for Construction
Project Justification	This is a scheduled replacement of a dump truck that has completed its cost effective life cycle.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	90,000	-	-	-	-
Total Funded	-	90,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1143 Department Fleet Services Project Manager Parenteau, MiKe

ProjectTitle Garbage Truck Replacement: 683-V029

WorkBreakDown NEW Category FLTADMN Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		180,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	180,000	-	-	-	-

Project Description	Scheduled Replacement of Garbage Truck 683-V029 for Parks
Project Justification	This is a scheduled replacement of a garbage truck that has completed its cost effective life cycle.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	180,000	-	-	-	-
Total Funded	-	180,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1144 Department Fleet Services Project Manager Parenteau, MiKe

ProjectTitle Dump Trucks (Med): Public Works

WorkBreakDown NEW Category FLTDMPH Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		1,000,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	1,000,000	-	-	-	-

Project Description

Purchase of 10 new medium size dump trucks.

Project Justification

Public Works has been renting this vehicle type in order to maintain service levels. An analysis of this strategy identified that long term cost savings would be realized if these vehicles were purchased, rather than rented. The current monthly rental cost of this vehicle is approximately $2,000. Additionally, insurance, fuel and repair costs are also borne by the Township during the rental contract period. Utilizing an 8 year cost recovery from existing operating budgets, currently used to pay for rental and maintenance, to pay back the equipment replacement reserve would result in a net decrease in operating in the first year of approximately $8000 overall, and an escalating decrease through year 8 to a maximum total of just under $50,000. Not purchasing these vehicles will continue to impact Public Works ability to meet service levels as budgets have to be redirected to cover rental costs.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	1,000,000	-	-	-	-
Total Funded	-	1,000,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		7796	0	0	0	0

Operating Impact Detail

To utilize existing contract services budgets currently being used for rental rates to pay for internal rental loads for the garage, and to repay the Equipment Replacement Reserve over 8 years.

Township of Langley
Capital Project Description

ProjectID EN1145 Department Fleet Services Project Manager Parenteau, MiKe

ProjectTitle Gang Mower Replacement: 977-E051

WorkBreakDown NEW Category FLTMOWR Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		133,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	133,000	-	-	-	-

Project Description	Scheduled Replacement of Gang Mower 977-E051 for Parks
Project Justification	This is a scheduled replacement of a gang mower that has completed its cost effective life cycle.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	133,000	-	-	-	-
Total Funded	-	133,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1146 Department Fleet Services Project Manager Parenteau, MiKe

ProjectTitle Road Mower Replacement: 913-E021

WorkBreakDown NEW Category FLTMOWR Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		190,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	190,000	-	-	-	-

Project Description	Scheduled Replacement of Mower 913-E021 for Roads
Project Justification	This is a scheduled replacement of a road mower that has completed its cost effective life cycle.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	190,000	-	-	-	-
Total Funded	-	190,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1149 Department Fleet Services Project Manager Parenteau, MiKe

ProjectTitle Pick Up Truck (Medium) Replacement: 106-V032

WorkBreakDown NEW Category FLTTRKM Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		54,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	54,000	-	-	-	-

Project Description	Scheduled Replacement of medium pick up truck 106-V032 for Parks
Project Justification	This is a scheduled replacement of a medium pick up truck that has completed its cost effective life cycle.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	54,000	-	-	-	-
Total Funded	-	54,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1151 Department Fleet Services Project Manager Parenteau, MiKe

ProjectTitle Service Truck Replacement: 715-V052

WorkBreakDown NEW Category FLTTRKF Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		75,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	75,000	-	-	-	-

Project Description	Scheduled Replacement of service truck 715-V052 for Utilities
Project Justification	This is a scheduled replacement of a service truck that has completed its cost effective life cycle.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	75,000	-	-	-	-
Total Funded	-	75,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1152 Department Fleet Services Project Manager Parenteau, MiKe

ProjectTitle Service Truck Replacement: 676-V052

WorkBreakDown NEW Category FLTTRKL Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		100,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	100,000	-	-	-	-

Project Description	Scheduled Replacement of service truck 676-V052 for Utilities
Project Justification	This is a scheduled replacement of a service truck that has completed its cost effective life cycle.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	100,000	-	-	-	-
Total Funded	-	100,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1153 Department Fleet Services Project Manager Parenteau, MiKe

ProjectTitle Trailer Replacement: 260-V073

WorkBreakDown NEW Category FLTTRLR Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		16,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	16,000	-	-	-	-

Project Description	Scheduled Replacement of hitchman trailer 260-V073 for Parks.
Project Justification	This is a scheduled replacement of a trailer that has completed its cost effective life cycle.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	16,000	-	-	-	-
Total Funded	-	16,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1154 Department Fleet Services Project Manager Parenteau, MiKe

ProjectTitle Trailer Replacement: 244-V073

WorkBreakDown NEW Category FLTTRLR Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		16,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	16,000	-	-	-	-

Project Description	Scheduled Replacement of trailer244-V073 for Cemeteries
Project Justification	This is a scheduled replacement of a trailer that has completed its cost effective life cycle.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	16,000	-	-	-	-
Total Funded	-	16,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1155 Department Fleet Services Project Manager Parenteau, MiKe

ProjectTitle Pick Up Truck (Full Size) Replacement: 93-V032

WorkBreakDown NEW Category FLTTRKF Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		54,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	54,000	-	-	-	-

Project Description	Scheduled Replacement of full size pick up truck 93-V032 for Roads
Project Justification	This is a scheduled replacement of a pick up truck that has completed its cost effective life cycle.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	54,000	-	-	-	-
Total Funded	-	54,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1156 Department Fleet Services Project Manager Parenteau, MiKe

ProjectTitle Service Truck (Light) Replacement: 741-V051

WorkBreakDown NEW Category FLTTRKL Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		65,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	65,000	-	-	-	-

Project Description	Schedule Replacement of Light Service Truck 741-V051 for Roads.
Project Justification	This is a scheduled replacement of a light service truck that has completed its cost effective life cycle.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	65,000	-	-	-	-
Total Funded	-	65,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1157 Department Fleet Services Project Manager Parenteau, MiKe

ProjectTitle Trash Pump Replacement: 414-V074

WorkBreakDown NEW Category FLTEQUP Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		65,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	65,000	-	-	-	-

Project Description	Scheduled replacement of Trash Pump 414-V074 for Construction
Project Justification	This is a scheduled replacement of a trash pump that has completed its cost effective life cycle.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	65,000	-	-	-	-
Total Funded	-	65,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1160 Department Fleet Services Project Manager Parenteau, MiKe

ProjectTitle Pick Up Truck (Light) Replacement: 110-V032

WorkBreakDown NEW Category FLTTRKL Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		54,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	54,000	-	-	-	-

Project Description	Scheduled Replacement of light pick up truck 110-V032
Project Justification	This is a scheduled replacement of a pick up truck that has completed its cost effective life cycle.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	54,000	-	-	-	-
Total Funded	-	54,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN800 Department Fleet Services Project Manager Parenteau, MiKe

ProjectTitle Annual Small Equipment Replacement

WorkBreakDown FLTC1008-01 Category FLTEQUP Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		30,000	30,000	30,000	30,000	30,000
Carry Forward Amt	-					
Total Project Cost	-	30,000	30,000	30,000	30,000	30,000

Project Description

ANNUAL TOP-UP FUNDING ONLY. This is an annual capital project that seeks funding to replace small equipment and tools including weed eaters, blowers, trimmers, attachments, etc. which have a high use and short life cycle.

Project Justification

The Township would not have the ability to complete its programs and service levels. Depending on the type of equipment, there would be a need to rent this equipment externally, should funding for replacement of existing small equipment and tools not be provided.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	30,000	30,000	30,000	30,000	30,000
Total Funded	-	30,000	30,000	30,000	30,000	30,000
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN802 Department Fleet Services Project Manager Parenteau, MiKe

ProjectTitle Annual Garage - Equipment Tools Replacement

WorkBreakDown FLTC1020-01 Category FLTTOOL Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		20,000	20,000	20,000	20,000	20,000
Carry Forward Amt	-					
Total Project Cost	-	20,000	20,000	20,000	20,000	20,000

Project Description

ANNUAL TOP-UP FUNDING ONLY. This is an annual capital project that seeks funding ongoing replacement and additional purchasing of garage tools and equipment to maintain the garage's ability to keep up with a changing industry and replace worn out tools and equipment.

Project Justification

The Township requires tools to maintain its fleet and to adapt to continuous changes in technology within the fleet industry.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	20,000	20,000	20,000	20,000	20,000
Total Funded	-	20,000	20,000	20,000	20,000	20,000
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN803 Department Fleet Services Project Manager Parenteau, MiKe

ProjectTitle Annual Equipment Upgrading

WorkBreakDown FLTC1021-01 Category FLTEUPG Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		50,000	50,000	50,000	50,000	50,000
Carry Forward Amt	-					
Total Project Cost	-	50,000	50,000	50,000	50,000	50,000

Project Description

ANNUAL TOP-UP FUNDING ONLY. This is an annual capital project that seeks funding to upgrade existing fleet equipment to extend service life and modify additional inventory capabilities and functionality to suit program changes. This includes sand blasting, painting of existing equipment, and minor modifications to adapt equipment.

Project Justification

Equipment upgrading enables existing equipment to be modified to both extend life cycle and be adaptable to multiple uses. Without this provision, it would reduce the Township's ability to provide the required services and would lead to inefficiencies in equipment.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	50,000	50,000	50,000	50,000	50,000
Total Funded	-	50,000	50,000	50,000	50,000	50,000
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN808 Department Fleet Services Project Manager Parenteau, MiKe

ProjectTitle Hybrid Passenger Vehicle Replacement: 164-V062

WorkBreakDown NEW Category FLTCARS Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		45,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	45,000	-	-	-	-

Project Description	Replacement of hybrid passenger vehicle 164-V062. Staff are looking at suitable technologies at time of intended replacement.
Project Justification	This is a scheduled replacement of hybrid automobiles that have completed their cost effective life cycle. These vehicles are used for transporting staff to and from sites as an economical mode of transportation. Without these vehicles, staff would be required to use their personal vehicles or be required to use Township vehicles of greater functionality/capacity.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	45,000	-	-	-	-
Total Funded	-	45,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN831 Department Fleet Services Project Manager Parenteau, MiKe

ProjectTitle Pick Up Truck (Compact) Replacement 40-V013

WorkBreakDown NEW Category FLTTRKC Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		45,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	45,000	-	-	-	-

Project Description	Scheduled replacement of compact pickup truck 40-V031 for the Roads Department
Project Justification	This is a scheduled replacement of a compact pickup truck that has completed it's cost effective life cycle.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	45,000	-	-	-	-
Total Funded	-	45,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN844 Department Fleet Services Project Manager Parenteau, MiKe

ProjectTitle Hybrid Passenger Vehicle Replacement: 163-V062

WorkBreakDown NEW Category FLTCARS Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		45,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	45,000	-	-	-	-

Project Description	Replacement of hybrid passenger vehicle 163-V062. Staff are looking at suitable technologies at time of intended replacement.
Project Justification	This is a scheduled replacement of hybrid automobiles that have completed their cost effective life cycle. These vehicles are used for transporting staff to and from sites as an economical mode of transportation. Without these vehicles, staff would be required to use their personal vehicles or be required to use Township vehicles of greater functionality/capacity.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	45,000	-	-	-	-
Total Funded	-	45,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN845 Department Fleet Services Project Manager Parenteau, MiKe

ProjectTitle Service Truck (Medium) Replacement 34-V052

WorkBreakDown NEW Category FLTTRKM Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		100,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	100,000	-	-	-	-

Project Description	Scheduled replacement of Medium Service Truck 34-V052 for Construction (Stormwater)
Project Justification	This is a scheduled replacement of a Medium Service Truck that has completed it's cost effective life cycle.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	100,000	-	-	-	-
Total Funded	-	100,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN853 Department Fleet Services Project Manager Parenteau, MiKe

ProjectTitle Dump Truck (Heavy) Replacement 16-V013

WorkBreakDown NEW Category FLTDMPH Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		300,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	300,000	-	-	-	-

Project Description	Scheduled replacement of a tandem axle heavy dump truck - part of a fleet of nine. 16-V013.
Project Justification	This is a scheduled replacement of a heavy dump truck that has completed it's cost effective life cycle. This vehicle is used for winter maintenance programs, utilities construction and road asphalt repairs.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	300,000	-	-	-	-
Total Funded	-	300,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Funding Status	Department Name	Ranking	ProjectTitle	ProjectID	Total	Capital Surplus and Reserves	Development Cost Charges(DCCs)	Operating Revenue	Others	Prior Year's Surplus	Unfunded
Inside	Stormwater	Critical	Permit Software	EN1062	43,750			43,750			-
Inside	Stormwater	High	Annual Stormwater Infrastructure Replacement	EN504	2,000,000			1,834,371		165,629	-
Inside	Stormwater	High	Annual Dyking	EN494	500,000					500,000	-
Inside	Stormwater	High	Culvert Rehabilitation: 26500 Blk of 16 Ave	EN518	144,032					144,032	-
Inside	Stormwater	High	Annual Storm Sewer Structural Rehabilitation	EN510	120,000					120,000	-
Inside	Stormwater	High	SCADA: Salmon River Dyke Station	EN551	50,000					50,000	-
Inside	Stormwater	High	ISMP Implementation	EN495	250,000	2,500	247,500				-
Inside	Stormwater	High	Asset Management Software	EN901	50,000	50,000					-
Inside	Stormwater	High	Annual Local Area Service (LAS) Program - Stormwater	EN533	200,000	200,000					-
Inside	Stormwater	Low	Property Acquisition: Yorkson Lowland at 102B Ave	EN547	640,000	6,400	633,600				-
Inside Total	Stormwater				**3,997,782**	**258,900**	**881,100**	**1,878,121**	**-**	**979,661**	**-**
Placeholder	Stormwater	NA	Unidentified Externally Funded Projects	EN541	1,000,000				1,000,000		-
Placeholder Total	Stormwater				**1,000,000**	**-**	**-**	**-**	**1,000,000**	**-**	**-**
Outside	Stormwater	High	CSP Replacement: 56 Avenue and 213 Street	EN1193	225,000						225,000
Outside	Stormwater	High	Drainage Repairs: 36 Avenue and 236 Street	EN1192	320,000						320,000
Outside	Stormwater	High	Repairs and Improvements: Operations Centre	EN527	100,000						100,000
Outside	Stormwater	High	Operations Centre: Wash Bay Improvements	EN516	125,000						125,000
Outside	Stormwater	High	Storm Sewer Upgrade: Milner	EN520	1,300,000						1,300,000
Outside	Stormwater	High	Annual Non-DCC Development Coordinated Stormwater Works	EN534	300,000						300,000
Outside	Stormwater	Medium	Vehicle: Stormwater Portion of a 5 way split	EN517	8,000						8,000
Outside	Stormwater	Medium	Vehicle: Engineering Services	EN1096	10,000						10,000
Outside	Stormwater	Medium	Ditch Improvements: 216 Street Murrayville	EN496	500,000						500,000
Outside	Stormwater	Medium	Lower Mainland Flood Management Study	EN546	10,000						10,000
Outside	Stormwater	Medium	Annual Pre-Engineering & Functional Design Storm Projects	EN537	100,000						100,000
Outside	Stormwater	Medium	Annual Stormwater Utility Contingency	EN536	250,000						250,000
Outside	Stormwater	Medium	Annual Slope Stability: Various Locations	EN528	400,000						400,000
Outside	Stormwater	Low	CSP Assessment: Aldergrove	EN502	100,000						100,000
Outside	Stormwater	Low	Storm Sewer Improvements: 224 Street Murrayville	EN497	500,000						500,000
Outside Total	Stormwater				**4,248,000**	**-**	**-**	**-**	**-**	**-**	**4,248,000**
	Stormwater Total				**9,245,782**	**258,900**	**881,100**	**1,878,121**	**1,000,000**	**979,661**	**4,248,000**

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Township of Langley
Capital Project Description

ProjectID EN1062 Department Stormwater Project Manager Heichert, Denise

ProjectTitle Permit Software

WorkBreakDown NEW Category ADMIN Project Priority Ranking **Critical**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		43,750	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	43,750	-	-	-	-

Project Description

To implement a permit application software tool that will allow requests on the ToL website, providing convenience to our customers and reducing the amount of staff time required to set up applications in the system for a variety of building, engineering (water, sewer & stormwater), plumbing and burning permits. This funding will purchase the software licence and provide funding to convert 4 permits.

Project Justification

The new software aligns with the Township's eGovernment strategy and allows applicants to submit a variety of permit applications through an on line platform. This will ultimately provide convenience for our customers with a 24/7 permit intake process and improved communication throughout the permitting process. Funding is requested from General Revenue, Water, Sewer, and Stormwater.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	-	43,750	-	-	-	-
Total Funded	-	43,750	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN504 Department Stormwater Project Manager Lee, Meghan

ProjectTitle Annual Stormwater Infrastructure Replacement

WorkBreakDown STW1114-01 Category STWCULV Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
Carry Forward Amt	-					
Total Project Cost	-	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000

Project Description

ANNUAL TOP-UP FUNDING ONLY. This is an annual capital project that seeks funding for stormwater infrastructure. Projects for 2019 include;
- Matheson Creek Culvert: 6500 Block of 200 Street
- Latimer Creek Culvert: 7700 Block of 200 Street
- West Creek Culvert: 7300 Block of 253 Street
- Cave Creek Culvert Replacement: 25100 Block of 0 Avenue

Project Justification

In order to complete works during the annual Fisheries window in the summer, requests for proposal for design are circulated late in the year. Detailed design and associated cost estimates are not available until the new year, resulting in difficulty identifying funding envelopes for these projects.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	-	-	-	-	-
Prior Year's Surplus	-	165,629	-	-	-	-
Operating Revenue	-	1,834,371	1,000,000	1,000,000	1,000,000	328,121
Capital Surplus and Reserves	-	-	-	-	-	-
Total Funded	-	2,000,000	1,000,000	1,000,000	1,000,000	328,121
Unfunded		-	1,000,000	1,000,000	1,000,000	1,671,879
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN494 Department Stormwater Project Manager Larsen, Kevin

ProjectTitle Annual Dyking

WorkBreakDown STW1086-01 Category STWFLOO Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		500,000	500,000	500,000	500,000	500,000
Carry Forward Amt	1,497,086					
Total Project Cost	1,497,086	500,000	500,000	500,000	500,000	500,000

Project Description

Works include raising and widening the dyke crest; regrading the dyke slopes; improving the dyke cross-section; seismic upgrades, and ensuring adequate tie-in to high ground. Purchase of dyking right-of-way is also required. Work is separated into sections, which will be constructed as funding permits. First priority would be the Northwest Langley dyke, followed with the Salmon River dyke, estimated at ranging between approximately $15M to $50M, depending on the level of protection and predicted future level of climate change and sea level rise. The Township is and will continue to work in collaboration with other municipalities across the region to pursue and secure grant opportunities from senior levels of government to offset the anticipated significant costs.

Project Justification

Recent studies have confirmed that the levels of protection provided by Township dykes are less than the normal standard, the 1 in 200 year and 1 in 500 year flood levels, and do not meet seismic requirements. If upgrades are not performed, the next major event will result in extensive flooding and the impacts on local industry and agriculture will be substantial. Staff apply for provincial and federal funding and/or grants related to dyking and flood prevention. While the Township has received funding in the past from these agencies, there are no guarantees that future funding will exist and that it would be provided to the Township where other priorities in emergent situations exist provincially. Economic losses for a 1 in 500 year flood with moderate climate change and sea level rise is estimated at over $125M related to: buildings, contents, and agricultural losses.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	-	-	-	-	-
Capital Surplus and Reserves	1,000,000	-	-	-	-	-
Prior Year's Surplus	-	500,000	-	-	-	-
Operating Revenue	-	-	500,000	-	500,000	500,000
Capital Surplus and Reserves	497,086	-	-	-	-	-
Total Funded	1,497,086	500,000	500,000	-	500,000	500,000
Unfunded		-	-	500,000	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN518 Department Stormwater Project Manager Sekhon, Paul

ProjectTitle Culvert Rehabilitation: 26500 Blk of 16 Ave

WorkBreakDown STW1144-01 Category STWCULV Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		144,032	-	-	-	-
Carry Forward Amt	219,928					
Total Project Cost	219,928	144,032	-	-	-	-

Project Description

Preliminary and detailed design to replace or rehabilitate existing twin cell 1300mm diameter CMP and 920mm x 1450mm pipe arch CMP culverts along Howes Creek at 16 Avenue crossing.

Project Justification

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Others	174,867	-	-	-	-	-
Prior Year's Surplus	-	144,032	-	-	-	-
Operating Revenue	22,914	-	-	-	-	-
Capital Surplus and Reserves	22,148	-	-	-	-	-
Total Funded	219,928	144,032	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN510 Department Stormwater Project Manager Ruhl, Aaron

ProjectTitle Annual Storm Sewer Structural Rehabilitation

WorkBreakDown STW1131-01 Category STWMAIN Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		120,000	-	-	-	-
Carry Forward Amt	181,379					
Total Project Cost	181,379	120,000	-	-	-	-

Project Description

Ongoing work to rehabilitate storm sewer main deficiencies identified in a report prepared in 2016/2017 by MJ Pawlowski and Associates regarding condition assessments of Closed Circuit Television (CCTV) Stormsewer and Manhole Inspection Program. 2019 works include replacement of corrugated steel pipe storm sewers along 216 Street in the 4500 to 4600 blocks.

Project Justification

If one of these mains fail it could cause flooding and/or a localized road failure.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Prior Year's Surplus	-	120,000	-	-	-	-
Capital Surplus and Reserves	181,379	-	-	-	-	-
Total Funded	181,379	120,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN551 Department Stormwater Project Manager Ibrahim, Khalil

ProjectTitle SCADA: Salmon River Dyke Station

WorkBreakDown STW1148-01 Category STWDYKE Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		50,000	-	-	-	-
Carry Forward Amt	21,879					
Total Project Cost	21,879	50,000	-	-	-	-

Project Description	This project proposes to install inclination sensors on our flap gates in order to detect blockages or other issues with the gates.
Project Justification	Without this equipment, blockages could occur leading to flooding issues upstream.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Prior Year's Surplus	-	50,000	-	-	-	-
Capital Surplus and Reserves	21,879	-	-	-	-	-
Total Funded	21,879	50,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN495 Department Stormwater Project Manager Lee, Meghan

ProjectTitle ISMP Implementation

WorkBreakDown STW1149-01 Category STWISMP Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		250,000	-	-	-	-
Carry Forward Amt	250,000					
Total Project Cost	250,000	250,000	-	-	-	-

Project Description

Implement recommendations contained in various Integrated Stormwater Management Plans to allow development to proceed while protecting environmental values.

Project Justification

Recommendations for floodplain mapping, riparian enhancements, and streamside restorations need to be implemented to ensure the goals of the Sustainability Charter are realized.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	2,500	2,500	-	-	-	-
Development Cost Charges(DCCs)	247,500	247,500	-	-	-	-
Total Funded	250,000	250,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN901 Department Stormwater Project Manager Bismel, Hakim

ProjectTitle Asset Management Software (5 Way Split)

WorkBreakDown NEW Category STWADMN Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		50,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	50,000	-	-	-	-

Project Description

As the number of Township infrastructure assets continue to grow, it is important that staff find ways to be more efficient and effective to meet long term asset management goals. This project proposes to replace the current Public Works service request/work order software with a new program that better aligns with the Township's eGovernment strategy. Funding is proposed to be split 5 ways between Water, Sewer, Storm, Transportation and Parks.

Building on existing technology investments, the proposed enhancements will improve system interoperability including a direct integration with the Township's eGovernment platform to improve customer experience, deliver important mobility tools to outside workers to improve efficiency, and leverage the power of the Township's existing enterprise GIS system to provide important decision-making and asset management tools.

Project Justification

Not proceeding with implementation of new software will result in higher long term operating costs to utilize the mobility tools delivered through the existing system as well as higher costs for licensing as the new software has a more flexible population based model, rather than user-based. The new software aligns with the Township's eGovernment platform, ultimately resulting in improved online capabilities and an improved customer experience related to service requests.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	50,000	-	-	-	-
Total Funded	-	50,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN533 Department Stormwater Project Manager Welfing, Richard

ProjectTitle Annual Local Area Service (LAS) Program - Stormwater

WorkBreakDown STW1036-01 Category STWMAIN Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		200,000	200,000	200,000	200,000	200,000
Carry Forward Amt	-					
Total Project Cost	-	200,000	200,000	200,000	200,000	200,000

Project Description

TOP-UP FUNDING REQUEST ONLY. This is an annual capital project that seeks funding to cover costs for potential stormwater projects under the Local Area Service program. Through a Local Area Service, property owners who want to conduct neighbourhood improvements such as stormwater petition Council, asking for the Township to undertake the work. The cost of providing the service is recovered through a local service tax placed on all the property owners in the area.

Project Justification

Council policy has been to encourage extension of stormwater by local service area improvements. The Township renders approximately one project every few years.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	200,000	200,000	200,000	200,000	200,000
Total Funded	-	200,000	200,000	200,000	200,000	200,000
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN547 Department Stormwater Project Manager Larsen, Kevin

ProjectTitle Property Acquisition: Yorkson Lowland at 102B Ave

WorkBreakDown STW1116-01 Category STWLAND Project Priority Ranking **Low**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		640,000	-	-	-	-
Carry Forward Amt	500,000					
Total Project Cost	500,000	640,000	-	-	-	-

Project Description	Acquire flood prone lands in the Yorkson Lowlands.
Project Justification	Developments are contributing to increased flooding in the lowlands. Recommended and endorsed by Council.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	5,000	6,400	-	-	-	-
Development Cost Charges(DCCs)	495,000	633,600	-	-	-	-
Total Funded	500,000	640,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN541 Department Stormwater Project Manager Larsen, Kevin

ProjectTitle Unidentified Externally Funded Projects

WorkBreakDown STW1095-01 Category STWADMN Project Priority Ranking NA

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Carry Forward Amt	-					
Total Project Cost	-	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000

Project Description	Externally funded projects not in budget.
Project Justification	To provide budget for externally funded capital projects not budgeted for in the Stormwater fund.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Others	-	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Total Funded	-	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1193 Department Stormwater Project Manager Brar, Robby

ProjectTitle CSP Replacement: 56 Avenue and 213 Street

WorkBreakDown NEW Category STWMAIN Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		225,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	225,000	-	-	-	-

Project Description	Replacement of twin 300mm corrugated steel pipe storm sewers with 450mm concrete pipe.
Project Justification	The twin 300mm CSP storm sewers are deteriorating and causing sink holes on the surface. These pipes need to be replaced to avoid further sink holes and pipe collapse.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		225,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1192 Department Stormwater Project Manager Brar, Robby

ProjectTitle Drainage Repairs: 36 Avenue and 236 Street

WorkBreakDown NEW Category STWDRNG Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		320,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	320,000	-	-	-	-

Project Description	Replacement and realignment of various sizes of steel and concrete storm sewer with 190m of 600mm concrete pipe.
Project Justification	Replacement is required of various sizes steel and concrete pipe that are deteriorating and causing sink holes on the surface. These pipes require replacement to avoid further sink holes.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		320,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN527 Department Stormwater Project Manager Ardestani, Farzad

ProjectTitle Repairs and Improvements: Operations Centre

WorkBreakDown STW1139-01 Category STWADMN Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		100,000	-	-	-	-
Carry Forward Amt	124,347					
Total Project Cost	124,347	100,000	-	-	-	-

Project Description

The Operations Centre is 20 years old and there are many improvements and repairs that need to be done to the building and the site/yard. This funding will be utilized for electrical/mechanical upgrades, interior improvements, secondary gate, curtain wall repairs, additional parking , etc.

Project Justification

To improve space utilization, increase capacity, replace ageing equipment and infrastructure, provide additional storage, etc. The consequences are inefficient use of site, capacity issues, safety, etc.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	45,719	-	-	-	-	-
Others	-	-	-	-	-	-
Prior Year's Surplus	-	-	-	-	-	-
Operating Revenue	-	-	-	-	-	-
Capital Surplus and Reserves	78,628	-	-	-	-	-
Total Funded	124,347	-	-	-	-	-
Unfunded		100,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN516 Department Stormwater Project Manager Ardestani, Farzad

ProjectTitle Operations Centre: Wash Bay Improvements

WorkBreakDown STW1122-01 Category STWADMN Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		125,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	125,000	-	-	-	-

Project Description	Some of the components of the wash bay at the Operations Centre have passed their service life and require replacement. Further, new systems are recommended to meet current safety standards and improve the functionality of the wash bay. Funding is required to proceed with the design, supply and installation of improvements and replacements.
Project Justification	Safety risk and limitations on functionality of the wash bay (unable to access the back of tandem trucks because no fall protection exists), continued deterioration of the accessory building, and increased maintenance costs.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		125,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN520 Department Stormwater Project Manager Lee, Meghan

ProjectTitle Storm Sewer Upgrade: Milner

WorkBreakDown NEW Category STWDRNG Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		1,300,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	1,300,000	-	-	-	-

Project Description	Replace and upsize existing concrete tongue and groove main along 216 Street from 64 Avenue to Glover Road
Project Justification	Existing pipe is undersized and prone to flooding

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	-	-	-	-	-	-
Total Funded	-	-	-	-	-	-
Unfunded		1,300,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN534 Department Stormwater Project Manager Larsen, Kevin

ProjectTitle Annual Non-DCC Development Coordinated Stormwater Works

WorkBreakDown STW1027-01 Category STWMAIN Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		300,000	300,000	300,000	300,000	300,000
Carry Forward Amt	-					
Total Project Cost	-	300,000	300,000	300,000	300,000	300,000

Project Description

TOP-UP FUNDING REQUEST ONLY. This is an annual capital project that seeks funding required for works, including stormwater infrastructure upsizing.

Project Justification

As per policy 05-739, Township may cost share with developer/applicant for extra stormwater capacity where it is deemed to be of benefit to the Township.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	-	-	-	228,121		300,000
Total Funded	-	-	-	228,121	-	300,000
Unfunded		300,000	300,000	71,879	300,000	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN517 Department Stormwater Project Manager Parenteau, MiKe

ProjectTitle Vehicle: Stormwater Portion of a 5 way split

WorkBreakDown NEW Category STWADMN Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		8,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	8,000	-	-	-	-

Project Description

Vehicle for Service Enhancement request for BC One Call Infrastructure Asset Tech. Funding request in Water, Sewer, Stormwater, Transportation and Parks.

Project Justification

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	-	-	-	-	-	-
Total Funded	-	-	-	-	-	-
Unfunded		8,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1096 Department Stormwater Project Manager Parenteau, MiKe

ProjectTitle Vehicle: Engineering Services (4 way split)

WorkBreakDown NEW Category STWADMN Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		10,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	10,000	-	-	-	-

Project Description	New vehicle for engineering services to allow staff to complete their field duties.
Project Justification	Staff are currently sharing vehicles within the department and approximately 1-2 times per week are encountering situations where vehicles are not available for use. A calendar is set up for booking of vehicles in advance, however there is just not enough vehicles available. This delays the field work and increases response times for inspections and responses to residents.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		10,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN496 Department Stormwater Project Manager Brar, Robby

ProjectTitle Ditch Improvements: 216 Street Murrayville

WorkBreakDown STW1129-01 Category STWDTCH Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		500,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	500,000	-	-	-	-

Project Description

Phase 3 - Replace undersized 900mm CSP in 5400 block of 216 Street. Phase 1 was completed Sept 2016 and involved infilling the ditch with a storm sewer main. Phase 2 was the crossing of 216 St and was completed in the fall of 2017. Staff currently anticipate undertaking the design services and construction works in house, with a caveat that external assistance will be required for the environmental assessments, restoration, and compensation work.

Project Justification

Current CSP pipe is undersized and should be replaced with a larger diameter concrete pipe to ensure a large storm event does not cause flooding and service connection backups.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	-	-	-	-	-
Prior Year's Surplus	-	-	-	-	-	-
Capital Surplus and Reserves	-	-	-	-	-	-
Total Funded	-	-	-	-	-	-
Unfunded		500,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN546 Department Stormwater Project Manager Larsen, Kevin

ProjectTitle Lower Mainland Flood Management Study

WorkBreakDown STW1137-01 Category STWFLOO Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		10,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	10,000	-	-	-	-

Project Description

Phase 1 of the LMFMS produced reports containing some very useful data. Through the first Phase, the Township was able to access projected water level data and flood damage estimates for a fraction of the cost to acquire it separately. This information is necessary to make future decisions about dyke upgrades. For 2019, Phase 2 has an ambitious program to determine regional priorities for flood mitigation, among other objectives.

Project Justification

By supporting this project, the Township will be able to stay informed, and perhaps influence priorities.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	-	-	-	-	-
Total Funded	-	-	-	-	-	-
Unfunded		10,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN537 Department Stormwater Project Manager Lee, Meghan

ProjectTitle Annual Pre-Engineering & Functional Design Storm Projects

WorkBreakDown STW1005-01 Category STWMAIN Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		100,000	100,000	100,000	100,000	100,000
Carry Forward Amt	-					
Total Project Cost	-	100,000	100,000	100,000	100,000	100,000

Project Description

ANNUAL TOP-UP FUNDING ONLY. This is an annual capital project that seeks funding to complete pre-engineering and functional designs to identify requirements associated to proposed capital projects. This provides for more effective detailed cost estimates and efficient project scheduling.

Project Justification

A pro-active approach to reduce cost of capital works through strategic sequencing. Having "shovel ready" capital projects where pre-engineering and functional designs are ready in advance. Also increases opportunities to secure external grant funding from federal and provincial governments. For many grants, these project pre-works are a requirement to secure funding.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	-	-	100,000	-	100,000	-
Capital Surplus and Reserves	-	-	-	-	-	-
Total Funded	-	-	100,000	-	100,000	-
Unfunded		100,000	-	100,000	-	100,000
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN536 Department Stormwater Project Manager Larsen, Kevin

ProjectTitle Annual Stormwater Utility Contingency

WorkBreakDown STW1013-01 Category STWMAIN Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		250,000	250,000	250,000	250,000	250,000
Carry Forward Amt	-					
Total Project Cost	-	250,000	250,000	250,000	250,000	250,000

Project Description

TOP-UP FUNDING REQUEST ONLY. This is an annual capital project that seeks funding to cover stormwater emergency repairs not included in the budget.

Project Justification

In prior years, these funds have been used to respond to emergency slope/embankment failures, flooding etc. A contingency fund is required to ensure sufficient funds are available to cope with emergency stormwater situations which may arise throughout the year.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	-	-	250,000	250,000	250,000	250,000
Total Funded	-	-	250,000	250,000	250,000	250,000
Unfunded		250,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN528 Department Stormwater Project Manager Larsen, Kevin

ProjectTitle Annual Slope Stability: Various Locations

WorkBreakDown STW1064-01 Category STWSLPE Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		400,000	400,000	400,000	400,000	400,000
Carry Forward Amt	-					
Total Project Cost	-	400,000	400,000	400,000	400,000	400,000

Project Description

ANNUAL TOP-UP FUNDING ONLY. This is an annual capital project that seeks funding to complete geotechnical assessments, design, and minor slope stability construction throughout the Township.

Project Justification

Slope stability issues arise throughout the year and require immediate attention.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	-	-	28,121	400,000	28,121	400,000
Total Funded	-	-	28,121	400,000	28,121	400,000
Unfunded		400,000	371,879	-	371,879	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN502 Department Stormwater Project Manager Sunada, Victor

ProjectTitle CSP Assessment: Aldergrove

WorkBreakDown NEW Category STWDRNG Project Priority Ranking **Low**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		100,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	100,000	-	-	-	-

Project Description	Assessment of Corrugated Steel Pipe culverts and storm sewers in Aldergrove
Project Justification	Assessment of CSP culverts and storm sewers is required to determine the remaining life and establish strategies and budgets for replacement in the future. Without assessments culverts could fail without warning resulting in sink holes in road surfaces and potential road closures and liabilities.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		100,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN497 Department Stormwater Project Manager Brar, Robby

ProjectTitle Storm Sewer Improvements: 224 Street Murrayville

WorkBreakDown NEW Category STWMAIN Project Priority Ranking **Low**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		500,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	500,000	-	-	-	-

Project Description: The storm sewer along 224th avenue from 4700- 4900 block was identified as being undersized.

Project Justification: A large storm event could cause flooding and perimeter drain backup in this area.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		500,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Funding Status	Department Name	Ranking	ProjectTitle	ProjectID	Total	Capital Surplus and Reserves	Operating Revenue	Prior Year's Surplus	Unfunded
Inside	Fire Services	High	Emergency Preparedness Equipment	FD1028	10,000			10,000	-
Inside	Fire Services	High	Firefighting Equipment	FD866	195,000	195,000			-
Inside	Fire Services	High	Training Equipment Capital	FD868	57,000		57,000		-
Inside	Fire Services	High	Emergency Preparedness Storage Facilities	FD869	174,000			174,000	-
Inside	Fire Services	Pre. App.	Fire Fleet Capital Replace Fire Engine/Quint&Tanker	FD864	896,570	896,570			-
Inside Total	Fire Services				**1,332,570**	**1,091,570**	**57,000**	**184,000**	**-**
Outside	Fire Services	Medium	Fire Halls (Various): Space Planning	FD1030	120,000				120,000
Outside Total	Fire Services				**120,000**	**-**	**-**	**-**	**120,000**
	Fire Services Total				**1,452,570**	**1,091,570**	**57,000**	**184,000**	**120,000**

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Township of Langley
Capital Project Description

ProjectID FD1028 Department Fire Services Project Manager Gamble, Stephen

ProjectTitle Emergency Preparedness Equipment

WorkBreakDown NEW Category FIREQU Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		10,000	10,000	10,000	-	-
Carry Forward Amt	-					
Total Project Cost	-	10,000	10,000	10,000	-	-

Project Description	Need to Supplies & Material for the three (3) Emergency Preparedness storage facilities .
Project Justification	As part of the Townships' overall Emergency Preparedness (EP) Program, materials and supplies will be required for a large scale disaster/event such as cots, blankets, generators, shelter tens, heaters, first-aid & rapid damage equipment, reception centre supplies, food, water, pet supplies, lighting equipment, etc.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Prior Year's Surplus	-	10,000	-	-	-	-
Total Funded	-	10,000	-	-	-	-
Unfunded		-	10,000	10,000	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID FD866 Department Fire Services Project Manager Gamble, Stephen

ProjectTitle Firefighting Equipment

WorkBreakDown FDS1000-04 Category FIREQU Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		195,000	195,000	195,000	195,000	195,000
Carry Forward Amt	256,546					
Total Project Cost	256,546	195,000	195,000	195,000	195,000	195,000

Project Description

This is an ongoing (yearly) replacement of Firefighting equipment due to age, function, WorkSafe and industry requirements/standards.

Project Justification

The Fire Department requires funds to purchase necessary equipment such as hoses, nozzles, rescue equipment, etc. to ensure that the Fire Department equipment meets WorkSafeBC, National Fire Protection Association (NFPA), and Industry standards/requirements. Having a yearly replacement program spreads the ongoing cost over the life expectancy rather than an all at once purchase. For example: the average life span of suppression firefighting gear (bunker pants and coat) is six to eight years and the Department is required by WorkSafe to replace the gear every 10 years. The Department schedules replacing 30 sets of gear every year (212 * 7 = 30) at a present cost of $81,000 (30 x $2,700 = $81,000).

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	231,808	195,000	195,000	195,000	195,000	195,000
Total Funded	231,808	195,000	195,000	195,000	195,000	195,000
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID FD868 Department Fire Services Project Manager Gamble, Stephen

ProjectTitle Training Equipment Capital

WorkBreakDown FDS1000-07 Category OTHEQU Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		57,000	57,000	57,000	57,000	57,000
Carry Forward Amt	101,254					
Total Project Cost	101,254	57,000	57,000	57,000	57,000	57,000

Project Description

Replacement and maintenance of training equipment to ensure the delivery of core training requirements for both suppression and non-suppression staff programs.

Project Justification

To ensure training equipment meets operational needs of the Fire Department as well as WorkSafe and Industry Standards.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	39,000	57,000	57,000	57,000	57,000	57,000
Capital Surplus and Reserves	73,504	-	-	-	-	-
Total Funded	112,504	57,000	57,000	57,000	57,000	57,000
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID FD869 Department Fire Services Project Manager Gamble, Stephen

ProjectTitle Emergency Preparedness Storage Facilities

WorkBreakDown FDAC1000-01 Category BUILDINGS Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		174,000	234,000	234,000	-	-
Carry Forward Amt	59,061					
Total Project Cost	59,061	174,000	234,000	234,000	-	-

Project Description	Construct three (3) emergency preparedness storage facilities over the span of three years
Project Justification	As part of the Townships' overall Emergency Preparedness (EP) Program these storage facilities and the equipment contained within will be required for a large scale disaster/event. These storage facilities were originally approved by council in 2017, however, due to price increases for steel, labour, as well as the number of other higher priority projects within the Township the projects were delayed. Facilities have advised that the original cost of $60,000 will not be sufficient. The recommendation is that it will cost $234,000 per/shed (30' by 60', concrete floor steel building, electrical, heat, labour)

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Prior Year's Surplus	59,061	174,000	-	-	-	-
Total Funded	59,061	174,000	-	-	-	-
Unfunded		-	234,000	234,000	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID FD864 Department Fire Services Project Manager Gamble, Stephen

ProjectTitle Fire Fleet Capital Replace Fire Engine/Quint&Tanker

WorkBreakDown FDFC1002-01 Category FIRAPP Project Priority Ranking **Pre. App.**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		896,570	2,277,504	-	2,393,992	-
Carry Forward Amt	4,193,683					
Total Project Cost	4,193,683	896,570	2,277,504	-	2,393,992	-

Project Description	Council preapproved the replacement of the 2019 Heavy Rescue Truck in 2018. The Heavy Rescue Truck will replace a 1994 medium duty rescue truck and will arrive early 2019. (Report to Council 18-93) In 2020, a second Heavy Rescue Truck will replace a 1995 medium duty rescue truck. in 2020 the Fire Department will replace two (2) fire engines which will arrive in 2021. In 2022 the Fire Department will replace two (2) fire engines which will arrive in 2023.
Project Justification	The Fire Department replaces major fire apparatus' on a scheduled 20 - 25 year replacement model in order to maintain industry standards such as National Fire Protection Association (NFPA) and Fire Underwriter's Survey (FUS). As demonstrated with the FUS Superior Tanker Accreditation, insurance rates have direct correlation between the Fire Department service delivery model and the resources they have to deliver this service. If there is a reduction in the Fire Departments resource capabilities, the insurance rates for the residents may be negatively impacted.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	4,185,174	896,570	2,277,504	-	2,393,992	-
Total Funded	4,185,174	896,570	2,277,504	-	2,393,992	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID FD1030 Department Fire Services Project Manager Gamble, Stephen

ProjectTitle Fire Halls (Various): Space Planning

WorkBreakDown NEW Category BUILDINGS Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		120,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	120,000	-	-	-	-

Project Description

Majority of the existing fire halls were not originally designed for occupation by staff 24/7, and do not meet the needs to support the current composite staffing model (Career staff have taken over space originally used by Paid Call). Since the occupation of the majority of the fire halls has changed over the years and the facilities have tried to accommodate within the existing layouts, they also do not allow for efficient service delivery. The Fire Halls need to be evaluated for the current use and future use over the next 20 years, and then building improvements to occur over the next five (5) years.

The conceptual programming for the fire hall planning is currently underway. This funding is requested to continue to prepare the feasibility study, Class D Cost Estimate, and initial engineering to develop the programs and address the needs for the individual halls.

Project Justification

The Fire Department is currently undergoing an Accreditation process which has identified that the composite halls (which were designed as Paid Call/ volunteer halls) are contributing to a slower turnout time for career members.

Paid Call staff are lacking in meeting and training rooms, and are lacking locker room shower facilities. On Call staff work areas are not centrally located in the buildings reducing response time to emergency incidents.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		120,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Funding Status	Department Name	Ranking	ProjectTitle	ProjectID	Total	Operating Revenue	Others	Unfunded
Inside	Police Services	High	Non-Shared Furniture & Equipment (CPOs)	PS665	25,000	25,000		-
Inside	Police Services	High	Shared Furniture & Equipment	PS666	80,000	52,000	28,000	-
Inside Total	Police Services				**105,000**	**77,000**	**28,000**	**-**
Outside	Police Services	High	Admin Pool Vehicle	PS667	40,000		14,000	26,000
Outside Total	Police Services				**40,000**	**-**	**14,000**	**26,000**
	Police Services Total				**145,000**	**77,000**	**42,000**	**26,000**

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Township of Langley
Capital Project Description

ProjectID PS665 Department Police Services Project Manager Clelland, Joelle

ProjectTitle Non-Shared Furniture & Equipment (CPOs)

WorkBreakDown CPO1001-05 Category PSCPO Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		25,000	25,000	25,000	25,000	25,000
Carry Forward Amt	110,685					
Total Project Cost	110,685	25,000	25,000	25,000	25,000	25,000

Project Description	Replacement of furniture or equipment for Township Community Police Offices and future relocation plans of leased CPOs. Willowbrook CPO will also require a bike rack in storage room.
Project Justification	Members and municipal staff work out of the CPOs regularly and we have ongoing need for furniture and equipment and reorganization of spaces. As well, relocation of the leased CPO's is being planned to better meet the needs of the citizens in the Township of Langley. If funding is not approved our Regular Members at the CPO's will go without required furniture and equipment and we will not be able to plan for future growth/relocation.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Prior Year's Surplus	-	-	-	-	-	-
Operating Revenue	24,477	25,000	25,000	25,000	25,000	25,000
Capital Surplus and Reserves	86,208	-	-	-	-	-
Total Funded	110,685	25,000	25,000	25,000	25,000	25,000
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID PS666 Department Police Services Project Manager Clelland, Joelle

ProjectTitle Shared Furniture & Equipment

WorkBreakDown PSS1001-03 Category PSP Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		80,000	80,000	80,000	80,000	80,000
Carry Forward Amt	86,073					
Total Project Cost	86,073	80,000	80,000	80,000	80,000	80,000

Project Description

Furniture, equipment and renovations are required on an ongoing basis to meet the needs of the Main Detachment and staff. Areas that have been identified for 2019 are the Telecom (911 Dispatch Room) to replace hydraulic sit/stand workstations, Switchboard Office, Street Enforcement Unit, Records Storage and replacement of the Parade Room tables and chairs.

Project Justification

Not funding the above projects would result in the Detachment having furniture that has surpassed its lifespan by several years. The current hydraulic work stations in Telecoms are regularly malfunctioning and we are putting new parts into old systems. If the hydraulic systems fail then it is very expensive to repair. The other identified offices are also overdue for replacement and are no longer efficient and ergonomic spaces for the staff using them. As the Parade Room is our main large meeting space in the building it is important to keep it updated.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Others	30,126	28,000	28,000	28,000	28,000	28,000
Prior Year's Surplus	-	-	-	-	-	-
Operating Revenue	22,095	52,000	52,000	52,000	52,000	52,000
Capital Surplus and Reserves	33,852	-	-	-	-	-
Total Funded	86,073	80,000	80,000	80,000	80,000	80,000
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID PS667 Department Police Services Project Manager Clelland, Joelle

ProjectTitle Admin Pool Vehicle

WorkBreakDown New Category FLTCARS Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		40,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	40,000	-	-	-	-

Project Description	Additional Fleet Pool Vehicle for members and Township staff to use for transportation to courses, meetings, seminars, and other work related duties. We have been at this same level of pool cars for many years and staff at the Detachment has grown considerably.
Project Justification	We currently have two Admin Pool Vehicles that are used for up to 300 Members and Township Staff. Often both vehicles are signed out and staff who need a vehicle for meetings, and other work duties have to take their own vehicle and put in for mileage. Members can not use a Police car unless they are in uniform which further justifies our need. At the size of our Detachment, 2 vehicles are not sufficient and we need an additional vehicle.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Others	-	14,000	-	-	-	-
Total Funded	-	14,000	-	-	-	-
Unfunded		26,000	-	-	-	-
*Estimated Annual Operating Impact		7200	0	0	0	0

Operating Impact Detail: Annual internal vehicle charge; Includes costs of maintenance, insurance, fuel, repairs and future replacement

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Funding Status	Department Name	Ranking	ProjectTitle	ProjectID	Total	Capital Surplus and Reserves	Operating Revenue	Prior Year's Surplus	Unfunded
Inside	Recreation & Culture	High	ACUCC - Arena Lacrosse Equipment	REC1004	190,000		140,000	50,000	-
Inside	Recreation & Culture	High	Multiple Facilities - Aquatic Facility Equipment	REC669	60,000		60,000		-
Inside	Recreation & Culture	High	Multiple Locations - Fitness Equipment Replacement	REC676	125,000	125,000	-		-
Inside Total	Recreation & Culture				**375,000**	**125,000**	**200,000**	**50,000**	**-**
Outside	Recreation & Culture	Medium	GPC - Program Equipment	REC1006	70,000				70,000
Outside	Recreation & Culture	Medium	Multiple Locations - Boom Lift and Trailer	REC1008	100,000				100,000
Outside	Recreation & Culture	Medium	Multiple Locations - Furniture and Equipment	REC1009	150,000				150,000
Outside	Recreation & Culture	Medium	Multiple Locations - Locker Replacement	REC1010	110,000				110,000
Outside Total	Recreation & Culture				**430,000**	**-**	**-**	**-**	**430,000**
	Recreation & Culture Total				**805,000**	**125,000**	**200,000**	**50,000**	**430,000**

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Township of Langley
Capital Project Description

ProjectID REC1004 Department Recreation & Culture Project Manager Stare, Rob

ProjectTitle ACUCC - Arena Lacross Equipment

WorkBreakDown NEW Category RCFACILITY Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		190,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	190,000	-	-	-	-

Project Description	To purchase and setup artificial turf for the arena for lacrosse use.
Project Justification	Inability to host future events, i.e. 2019 Indoor Lacrosse World Championship.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Prior Year's Surplus	-	50,000	-	-	-	-
Operating Revenue	-	140,000	-	-	-	-
Others	-	-	-	-	-	-
Total Funded	-	190,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID REC669 Department Recreation & Culture Project Manager Blair, Christine

ProjectTitle Mulitiple Facilities - Aquatic Facility Equipment Replacements

WorkBreakDown RCP1002-01 Category RCPOOL Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		60,000	80,000	80,000	80,000	80,000
Carry Forward Amt	17,378					
Total Project Cost	17,378	60,000	80,000	80,000	80,000	80,000

Project Description

Due to the corrosive pool environment, aquatic program equipment deteriorates and ultimately fail.

ACU becomes part of mix in2020

Project Justification

Required equipment for lessons will not be available and negatively impact public swim sessions.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	7,815	60,000	80,000	80,000	80,000	80,000
Capital Surplus and Reserves	13,275	-	-	-	-	-
Total Funded	21,091	60,000	80,000	80,000	80,000	80,000
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID REC676 Department Recreation & Culture Project Manager Blair, Christine

ProjectTitle Multiple Locations - Fitness Equipment Replacement

WorkBreakDown RCP1003-01 Category RCFITEQP Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		125,000	125,000	125,000	125,000	125,000
Carry Forward Amt	125,000					
Total Project Cost	125,000	125,000	125,000	125,000	125,000	125,000

Project Description

Aging fitness equipment replacement. Increased funds in future years due to added and newly renovated facilities.

Project Justification

Failure of the aging equipment negatively impacts revenue and service to the public.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	100,000	125,000	125,000	125,000	50,000	50,000
Operating Revenue	25,000	-	-	-	75,000	75,000
Total Funded	125,000	125,000	125,000	125,000	125,000	125,000
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID REC1006 Department Recreation & Culture Project Manager Stare, Rob

ProjectTitle GPC - Program Equipment

WorkBreakDown NEW Category RCFFE Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		70,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	70,000	-	-	-	-

Project Description: Equipment to furnish new and renovated space within facility, including new administration area.

Project Justification: Existing equipment and furnishings are not adequate for renovated spaces.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		70,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID REC1008 Department Recreation & Culture Project Manager Blair, Christine

ProjectTitle Multiple Locations - Boom Lift and Trailer

WorkBreakDown NEW Category RCFACILITY Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		100,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	100,000	-	-	-	-

Project Description	Purchase of a boom lift and trailer (Z-35) for use in various recreation facilities. Equipment required to access areas for inspection, maintenance, and repair.
Project Justification	Rented equipment has proven to not be available in a timely manner, which has resulted in increased costs and delayed time-sensitive repairs.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Others	-	-	-	-	-	-
Total Funded	-	-	-	-	-	-
Unfunded		100,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID REC1009 Department Recreation & Culture Project Manager Blair, Christine

ProjectTitle Multiple Locations - Furniture and Equipment Replacement

WorkBreakDown NEW Category RCFFE Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		150,000	25,000	25,000	25,000	25,000
Carry Forward Amt	-					
Total Project Cost	-	150,000	25,000	25,000	25,000	25,000

Project Description	Public space furniture at recreation facilities. Items such as tables and seating (benches and chairs) are utilized in the general public spaces, but also in room rentals, programs, and services. Current equipment is reaching the end lifespan and due to high usage, and has deteriorated. Folding chairs and tables are essential due to storage constraints.
Project Justification	With the volume of public use, existing furniture and equipment will deteriorate to where it no longer is functionable.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	-	-	25,000	25,000	25,000	25,000
Total Funded	-	-	25,000	25,000	25,000	25,000
Unfunded		150,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID REC1010 Department Recreation & Culture Project Manager Visser, Lesley

ProjectTitle Multiple Locations - Locker Replacement

WorkBreakDown NEW Category RCFFE Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		110,000	200,000	185,000	-	-
Carry Forward Amt	-					
Total Project Cost	-	110,000	200,000	185,000	-	-

Project Description

Due to the corrosive environment in the pool area, lockers deteriorate quickly. Lockers have reached the end of their expected life and parts are no longer available for repair. Lockers are located in change rooms, lobbies, fitness centres, and pool decks.

Project Justification

Not proceeding with the project will result in lockers being unavailable to the public to store their personal belongings.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	-	-	75,000	75,000	-	-
Total Funded	-	-	75,000	75,000	-	-
Unfunded		110,000	125,000	110,000	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

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Funding Status	Department Name	Ranking	Project Title	Project ID	Total	Capital Surplus and Reserves	Operating Revenue	Others	Prior Year's Surplus	Unfunded
Inside	Facility Management	Critical	RCMP Main Detachment: Security Enhancements	EN909	1,315,000	854,750		460,250		-
Inside	Facility Management	Critical	Fire Halls (Various): Emergency Preparedness Upgrades	EN1126	500,000		500,000			-
Inside	Facility Management	Critical	Various Facilities: Security Upgrades	EN1022	1,475,000	760,400	714,600			-
Inside	Facility Management	Critical	Fire Hall #4: Safety Improvements	EN515	30,000		30,000			-
Inside	Facility Management	High	RCMP Main Detachment: Fire Suppression and Electrical Upgrades	EN911	290,000	188,500		101,500		-
Inside	Facility Management	High	WC Blair Recreation Centre: Facility Upgrades	EN1103	980,000	980,000				-
Inside	Facility Management	High	WC Blair Recreation Centre: Accessibility Feature Hot Tub Upgrades	EN1169	25,000	25,000				-
Inside	Facility Management	High	Walnut Grove Community Centre: Pool Safety Improvements	EN1170	205,000	205,000				-
Inside	Facility Management	High	McLeod Athletic Park: Spalling and Structural Repairs	EN1181	250,000	250,000				-
Inside	Facility Management	High	George Preston Recreation Centre: Domestic Hot Water Storage Tank Replacement	EN957	85,000	85,000				-
Inside	Facility Management	High	Langley Events Centre: Electrical, Mechanical, Refrigeration & Other	EN890	450,000				450,000	-
Inside	Facility Management	High	RCMP Main Detachment: Building Improvements	EN910	400,000	260,000		140,000		-
Inside	Facility Management	High	Civic Facility: Exterior Envelope Repairs	EN908	50,000	50,000				-
Inside	Facility Management	High	Civic Facility: Air Handling Unit Replacement Program	EN891	80,000	80,000				-
Inside	Facility Management	High	Civic Facility: South Elevation Wall Repairs	EN1115	70,000	70,000				-
Inside	Facility Management	High	Various Facilities: Electric Vehicle Charging Stations	EN889	30,000	30,000				-
Inside	Facility Management	High	Various Facilities: Annual Facility Improvements	EN882	150,000	150,000				-
Inside	Facility Management	High	George Preston Recreation Centre: Roof Replacement	EN927	750,000	500,000			250,000	-
Inside	Facility Management	High	Annual Climate Action Reserve Fund Energy Efficiency Projects	EN961	250,000	250,000		-		-
Inside Total	Facility Management				**7,385,000**	**4,738,650**	**1,244,600**	**701,750**	**700,000**	**-**
Placeholder	Facility Management	NA	Unidentified Externally Funded Projects	EN594	10,000,000			10,000,000		-
Placeholder Total	Facility Management				**10,000,000**	**-**	**-**	**10,000,000**	**-**	**-**
Outside	Facility Management	High	Condenser Replacement: RCMP Main Detachment	EN950	650,000			227,500		422,500
Outside	Facility Management	High	Operations Centre: Repairs and Improvements	EN904	100,000					100,000
Outside	Facility Management	High	Fire Halls (Various): Facility Upgrades & Improvements	EN897	245,000					245,000
Outside	Facility Management	High	McLeod Athletic Park: Grandstand Roof Repairs/Replacement	EN1112	1,000,000					1,000,000
Outside	Facility Management	High	Walnut Grove Community Centre: Glass Block Wall Repairs	EN938	110,000					110,000
Outside	Facility Management	High	Walnut Grove Park: Caretaker Roof Replacement	EN1183	150,000					150,000
Outside	Facility Management	High	Operations Centre: Wash Bay Improvements	EN893	125,000					125,000
Outside	Facility Management	High	WC Blair Recreation Centre: Parking Lot Pavement Replacement	EN1111	250,000					250,000
Outside	Facility Management	High	WC Blair Recreation Centre: Hot Tub Ultraviolet System	EN1104	125,000					125,000
Outside	Facility Management	High	Langley Events Centre: Exterior Painting and Seal Replacement	EN955	180,000					180,000
Outside	Facility Management	High	Aldergrove Credit Union Community Centre: Mechanical, Electrical & Other	EN916	275,000					275,000
Outside	Facility Management	High	Fort Langley Outdoor Pool: Condition Assessment	EN940	35,000					35,000
Outside	Facility Management	High	Walnut Grove Community Centre: Facility Renewal Strategy	EN945	125,000					125,000
Outside	Facility Management	High	Langley Events Centre: Facility Renewal Strategy	EN1108	150,000					150,000
Outside	Facility Management	High	Electrical Service Interruption Protection	EN924	75,000					75,000
Outside	Facility Management	High	Emergency Generator Backup: Various Locations	EN954	600,000					600,000
Outside	Facility Management	High	Sport Box Upgrades as per User Groups	EN1198	350,000					350,000
Outside	Facility Management	Medium	Walnut Grove Community Centre: Roof Replacement	EN951	300,000					300,000
Outside	Facility Management	Medium	Walnut Grove Community Centre: Various Pools Grout Replacement	EN1174	40,000					40,000
Outside	Facility Management	Medium	Fire Hall 3: Driveway Pavement Replacement	EN1127	250,000					250,000
Outside	Facility Management	Medium	Walnut Grove Community Centre: Pool Feature Replacement	EN1136	150,000					150,000
Outside	Facility Management	Medium	Operations Centre Fire Training Ground: Burn Building Repairs	EN1107	250,000					250,000
Outside	Facility Management	Medium	Walnut Grove Community Centre: Pool Air Handling Unit Upgrades	EN1114	85,000					85,000
Outside	Facility Management	Medium	George Preston Recreation Centre: Air Handling Unit Replacement	EN902	140,000					140,000
Outside	Facility Management	Medium	Brookswood Senior's Centre: Building Envelope Remediation	EN903	50,000					50,000
Outside	Facility Management	Medium	WC Blair Recreation Centre: Main Pool and Hot Tub Heat Exchanger Replacement	EN1113	75,000					75,000
Outside	Facility Management	Medium	Facilities Vehicle	EN939	65,000					65,000
Outside	Facility Management	Medium	Facilities Annual Pre-Design	EN926	75,000		-			75,000
Outside	Facility Management	Medium	Fire Hall 6: HVAC Upgrades	EN917	350,000					350,000
Outside	Facility Management	Medium	Parks Facilities Various: Mechanical Upgrades	EN1186	30,000					30,000
Outside	Facility Management	Medium	McLeod Athletic Park: Washroom Roof Replacement	EN1187	50,000					50,000

Funding Status	Department Name	Ranking	Project Title	Project ID	Total	Capital Surplus and Reserves	Operating Revenue	Others	Prior Year's Surplus	Unfunded
Outside	Facility Management	Medium	Walnut Grove Community Centre: Change Room Trench Drain Replacement	EN1171	35,000					35,000
Outside	Facility Management	Medium	Walnut Grove Community Centre: Hot Tub and Therapeutic Pool Retiling	EN1122	150,000					150,000
Outside	Facility Management	Medium	Fire Hall 4: Hose Tower Repairs	EN1106	75,000					75,000
Outside	Facility Management	Medium	Willoughby Community Centre: Multi-purpose Room Improvements	EN1168	75,000					75,000
Outside	Facility Management	Medium	Walnut Grove Community Centre: Meeting Room Flooring Replacement	EN1175	35,000					35,000
Outside	Facility Management	Medium	Various Recreation Facilities: Accessibility Improvements	EN1177	25,000					25,000
Outside	Facility Management	Medium	Walnut Grove Community Centre: Therapy Pool Ultraviolet System	EN1119	100,000					100,000
Outside	Facility Management	Medium	Walnut Grove Community Centre: Hot Tub Ultraviolet System	EN1116	125,000					125,000
Outside	Facility Management	Medium	Aldergrove Kinsmen Community Centre: Roof Replacement	EN928	150,000					150,000
Outside	Facility Management	Medium	Facilities Planning & Construction: Vehicle	EN921	37,000					37,000
Outside	Facility Management	Medium	WC Blair Recreation Centre: Pool Mechanical Room Air Conditioning	EN1179	60,000					60,000
Outside	Facility Management	Medium	Willoughby Community Centre: Floor Replacement	EN1166	75,000					75,000
Outside	Facility Management	Medium	Walnut Grove Community Centre: Fitness Room Air Handling Unit Ventilation Upgrade	EN914	180,000					180,000
Outside	Facility Management	Medium	Willoughby Community Centre: Multi-Media Room Upgrades	EN1167	25,000					25,000
Outside	Facility Management	Medium	Various Facilities: Lighting Upgrade	EN918	50,000					50,000
Outside	Facility Management	Medium	Various Facilities: Direct Digital Control Upgrade	EN919	50,000					50,000
Outside	Facility Management	Medium	Walnut Grove Community Centre: Gymnasium Air Conditioning System	EN932	150,000					150,000
Outside	Facility Management	Medium	Philip Jackman Park: Washroom Renovations	EN1184	150,000					150,000
Outside	Facility Management	Medium	Various Facilities: Annual Furniture and Equipment Replacement	EN946	40,000					40,000
Outside	Facility Management	Medium	Community Policing Office: Non-Shared Building Improvements	EN899	25,000					25,000
Outside Total	Facility Management				**8,067,000**	**-**	**-**	**227,500**	**-**	**7,839,500**
	Facility Management Total				**25,452,000**	**4,738,650**	**1,244,600**	**10,929,250**	**700,000**	**7,839,500**

Township of Langley
Capital Project Description

ProjectID EN909 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle RCMP Main Detachment: Security Enhancements

WorkBreakDown RCMP1014-01 Category FACSECR Project Priority Ranking **Critical**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		1,315,000	-	-	-	-
Carry Forward Amt	96,925					
Total Project Cost	96,925	1,315,000	-	-	-	-

Project Description

A 2018 confidential security assessment completed by the RCMP Departmental Security Section Physical Security Unit recommended a number of security upgrades to comply with current government security policies and legislative requirements, the British Columbia's Occupational Health and Safety regulations, and the Municipal Police Services Agreement.

Project Justification

Compliant with the Municipal Police Services Agreement and various RCMP policies and legislative requirements.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	854,750	-	-	-	-
Others	66,092	460,250	-	-	-	-
Capital Surplus and Reserves	30,833	-	-	-	-	-
Total Funded	96,925	1,315,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1126 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle Fire Halls (Various): Emergency Preparedness Upgrades

WorkBreakDown NEW Category FACENER Project Priority Ranking **Critical**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		500,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	500,000	-	-	-	-

Project Description

Upgrade the existing emergency generator at Fire Hall 6 and undertake further electrical improvements at the other Fire Halls. As some of these buildings are post-disaster facilities, the recommended modifications would ensure sufficient power is available to operate each facility in case of a power outage or natural disaster.

Project Justification

An electrical assessment was carried out in 2018 identifying deficiencies in the electrical capacity of the existing emergency generators at some of the fire halls. Fire halls are an integral part of the Township's emergency preparedness program and their reliability is critical to provide emergency services.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	-	500,000	-	-	-	-
Total Funded	-	500,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1022 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle Various Facilities: Security Upgrades

WorkBreakDown FAC1017-01 Category FACSECR Project Priority Ranking **Critical**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		1,475,000	-	-	-	-
Carry Forward Amt	747,652					
Total Project Cost	747,652	1,475,000	-	-	-	-

Project Description

Report 18-14 May 7, 2018. Council approved a two year program for Township wide upgrades to various facilities security systems including technological upgrades such as access control, intrusion detection systems, and video surveillance; physical upgrades such as lighting, landscaping, facing, barriers, etc.; and operational upgrades as it relates to programming, education, employee training and public awareness.

Project Justification

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	350,000	-	-	-	-
Capital Surplus and Reserves	-	410,400	-	-	-	-
Capital Surplus and Reserves	747,652	-	-	-	-	-
Operating Revenue	-	714,600	-	-	-	-
Total Funded	747,652	1,475,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN515 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle Fire Hall #4: Safety Improvements

WorkBreakDown NEW Category FACMECH Project Priority Ranking **Critical**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		30,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	30,000	-	-	-	-

Project Description	To replace a hot water heater at Fire Hall 4.
Project Justification	A hot water heater at Fire Hall 4 is nearing the end of its effective life, and is emitting carbon monoxide, which is seeping into the second floor sleeping quarters. Detectors have been triggered several times. A consultant's report recommends replacing the hot water heater with new equipment that has a power exhaust.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	-	-	-	-	-
Development Cost Charges(DCCs)	-	-	-	-	-	-
Operating Revenue	-	30,000	-	-	-	-
Total Funded	-	30,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	1252	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN911 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle RCMP Main Detachment: Fire Suppression and Electrical Upgrades

WorkBreakDown RCMP1020-01 Category FACINTR Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		290,000	-	-	-	-
Carry Forward Amt	190,000					
Total Project Cost	190,000	290,000	-	-	-	-

Project Description	Data and phone rooms currently have a wet sprinkler system in place. This type of fire suppression system is not recommended for rooms with sensitive electrical and computer equipment. The proposed project is to implement a waterless fire suppression system and upgrade the mechanical system to enhance cooling. This project was tendered in 2018, however the bids received were significantly over budget. The 2019 budget request reflects the additional funding required to complete the work.
Project Justification	Not implementing these upgrades could result in damage to critical telecommunications equipment orin an extreme case lead to the loss of sensitive information.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	188,500	-	-	-	-
Others	66,500	101,500	-	-	-	-
Operating Revenue	123,500	-	-	-	-	-
Total Funded	190,000	290,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1103 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle WC Blair Recreation Centre: Facility Upgrades

WorkBreakDown NEW Category FACINTR Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		980,000	500,000	500,000	-	-
Carry Forward Amt	220,000					
Total Project Cost	220,000	980,000	500,000	500,000	-	-

Project Description

In 2017/18 WC Blair Recreation Centre received upgrades to the natatorium portion of the facility, change areas, and the front desk. This multi-year funding is to continue with renovations to other portions of the facility, including mechanical upgrades. The mechanical work will consist of replacement of some air handling units that have reached the end of their useful life and replacement of the wave generator machine. Additional future funding will be required to fully complete the renovations.

Project Justification

To bring the remainder of the facility to a standard similar to the recent renovations already completed and to address any mechanical, electrical, etc. issues.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	980,000	-	-	-	-
Operating Revenue	-	-	-	500,000	-	-
Total Funded	-	980,000	-	500,000	-	-
Unfunded		-	500,000	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1169 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle WC Blair Recreation Centre: Accessibility Feature Hot Tub Upgrades

WorkBreakDown NEW Category FACINTR Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		25,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	25,000	-	-	-	-

Project Description	Purchase and install an accessibility feature for the hot tub in order to meet BC Building Code Requirements. Currently the hot tub is not accessible for people with disabilities. The existing lift was removed during the renovations as it no longer met the health code requirements and had passed its forecasted service life. This budget is to purchase and install an accessibility feature for the hot tub in order to meet BC Building Code Requirements.
Project Justification	Without a proper lift, access to the hot tub is extremely difficult for people with disabilities.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	25,000	-	-	-	-
Total Funded	-	25,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1170 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle Walnut Grove Community Centre: Pool Safety Improvements

WorkBreakDown NEW Category FACINTR Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		205,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	205,000	-	-	-	-

Project Description	Replacement of the diving board stands; drain grates and frames; expansion joints; and the coping stone (tiling). The diving board stands are showing significant signs of corrosion and section loss.
Project Justification	If the stands are not replaced they will continue to corrode and could fail. The drain grates and frames are plastic and become extremely brittle over time. New versions of these systems come with a date stamp and are required to be replaced every 7 years. These grates prevent swimmers from being able to place arms and legs into the suction piping of the pool filter. The expansion joints have reached the end of their expected service life. If they are not replaced, they will continue to degrade which could allow water to ingress underneath the tile resulting in a structural concern and potential damage to the pool basin. Overall replacement of the coping stone (tiling) between the pool edge and the skimmers is recommended. Over the years some of the coping stones have chipped and/or broken. The damaged tiles have extremely sharp edges and have caused cuts to patron's feet.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	205,000	-	-	-	-
Total Funded	-	205,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1181 Department Facility Management Project Manager Robin, Christina

ProjectTitle McLeod Athletic Park: Spalling and Structural Repairs

WorkBreakDown MAPF1000-01 Category FACNBLD Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		250,000	-	-	-	-
Carry Forward Amt	15,000					
Total Project Cost	15,000	250,000	-	-	-	-

Project Description

The McLeod Athletic Park Grandstand is a multi-storey building with several amenities and a primary use as a viewing grandstand for sports and events. A Condition Assessment was carried out in 2016 by a structural engineer to identify the causes of the cracked and spalled concrete where the bleachers are connected to the walls. The assessment report recommended that the cracked and spalled areas be repaired and also identified other items that should be addressed.

Some of the scope identified was completed as part of the Phase I repairs in 2017, Phase II repairs are anticipated to occur late 2018, and Phase III repairs/replacements are planned for 2019. The design of the previously recommended repairs/replacements for all three phases has already been completed.

This funding is for the construction of the third phase of the work which includes parapet concrete patching and waterproofing, replacement of exterior stairs, cracked concrete repairs at the front walkway, and other miscellaneous repairs.

Project Justification

Carrying out this work will aid in extending the service life of the structure and alleviate safety concerns. Failure to complete the structural repair work will lead to further corrosion of the steel and cracked/spalling concrete continuing to progress, additional extensive maintenance repairs and potential safety concerns for staff and users of the facility.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	250,000	-	-	-	-
Total Funded	-	250,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN957 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle George Preston Recreation Centre: Domestic Hot Water Storage Tank Replacement

WorkBreakDown NEW Category FACMECH Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		85,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	85,000	-	-	-	-

Project Description	The facility has one Domestic Hot Water (DHW) tank which provides domestic hot water to the entire facility. The unit has exceeded its useful life cycle by 14 years and is due for replacement. The DHW tank is a steel sealed vessel with no access points. This does not allow preventative maintenance work to be performed. Due to the construction of the tank, the condition is unknown and cannot be determined.
Project Justification	The sudden failure of this equipment would require an emergency replacement. This will result in additional replacement costs and poor performance due to a lack of time to produce engineering documentation. Failure will also lead to loss of hot water for the facility and may cause flooding of the mechanical room and damage to surrounding equipment.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	85,000	-	-	-	-
Total Funded	-	85,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN890 Department Facility Management Project Manager Chohan, Harbinder

ProjectTitle Langley Events Centre: Electrical, Mechanical, Refrigeration & Other

WorkBreakDown LECF1002-01 Category FACMISC Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		450,000	450,000	450,000	450,000	450,000
Carry Forward Amt	539,131					
Total Project Cost	539,131	450,000	450,000	450,000	450,000	450,000

Project Description

The Langley Events Centre is currently the largest facility owned by the Township. This funding is required to ensure that the electrical systems, mechanical systems, refrigeration, building envelope, exterior grounds, interior finishes, etc. are maintained, and to undertake necessary improvements to maximize service life and to provide operational efficiencies.

Project Justification

Not undertaking this work may result in premature equipment failures that would impact facility users, reduce service life, and increase operating costs.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	174,899	-	-	-	-	-
Prior Year's Surplus	364,232	450,000	-	-	-	-
Operating Revenue	-	-	-	-	450,000	450,000
Total Funded	539,131	450,000	-	-	450,000	450,000
Unfunded		-	450,000	450,000	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN910 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle RCMP Main Detachment: Building Improvements

WorkBreakDown RCMP1016-01 Category FACINTR Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		400,000	-	-	-	-
Carry Forward Amt	153,245					
Total Project Cost	153,245	400,000	-	-	-	-

Project Description	The RCMP Main Detachment is over 27 years old and many of the building's components (electrical, mechanical, interior, etc.) are reaching the end of their service life. This funding is required to undertake the necessary improvements, conduct assessments, design work, and replacements. The budget also includes the development of a multi-year improvement plan to deal with capacity issues at the detachment.
Project Justification	Service interruptions, increased emergency work, impact to users, increased maintenance costs, etc.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	260,000	-	-	-	-
Others	61,209	140,000	-	-	-	-
Operating Revenue	45,166	-	-	-	-	-
Capital Surplus and Reserves	46,870	-	-	-	-	-
Total Funded	153,245	400,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN908 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle Civic Facility: Exterior Envelope Repairs

WorkBreakDown CF1013-01 Category FACEXTR Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		50,000	-	-	-	-
Carry Forward Amt	85,233					
Total Project Cost	85,233	50,000	-	-	-	-

Project Description

Complete repairs to the roofing system to prevent further water ingress into the interior of the building. There are two atrium glazing areas consisting of a window system. Above both window locations there are two rooftop decks. During periods of heavy rainfall, water ingress has been noted at both locations. A leak investigation was undertaken at the roof deck and determined that the likely cause of water ingress is attributable to issues with the roofing membrane. One of the areas was repaired in 2018, this funding is to complete the remaining work.

Project Justification

Water ingress leaves visible streaks on the window framing, as well as the surrounding interior finishes and the building structure. In addition, the water ingress could lead to deterioration of the roofing components of the decks, as well as corrosion and deterioration of the structural steel.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	50,000	-	-	-	-
Capital Surplus and Reserves	85,233	-	-	-	-	-
Total Funded	85,233	50,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN891 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle Civic Facility: Air Handling Unit Replacement Program

WorkBreakDown CF1005-01 Category FACHVAC Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		80,000	80,000	80,000	-	-
Carry Forward Amt	81,750					
Total Project Cost	81,750	80,000	80,000	80,000	-	-

Project Description

The air handling units (AHU) are reaching the end of their life expectancy. This is a phased project over seven years in which 10 of the 75 total AHUs will be replaced per year.

Project Justification

Not proceeding with this project would result in lengthy delays when a unit has failed. Failure of a unit would impact the heating and cooling of affected areas.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	81,750	80,000	80,000	80,000	-	-
Others	-	-	-	-	-	-
Total Funded	81,750	80,000	80,000	80,000	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1115 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle Civic Facility: South Elevation Wall Repairs

WorkBreakDown NEW Category FACNBLD Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		70,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	70,000	-	-	-	-

Project Description

Repairs to the exterior wall on the second level area (near Permit, Licences and Inspections Department) including new insulation, framing and drywall to address moisture damage and exterior membrane to prevent water ingress.

Project Justification

Ongoing water ingress and moisture damage will continue to occur, resulting in increased operating costs to perform ongoing temporary repairs.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	70,000	-	-	-	-
Total Funded	-	70,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN889 Department Facility Management Project Manager Schmidt, Ryan

ProjectTitle Various Facilities: Electric Vehicle Charging Stations

WorkBreakDown FM1026-01 Category FACESTN Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		30,000	70,000	-	-	-
Carry Forward Amt	4,495					
Total Project Cost	4,495	30,000	70,000	-	-	-

Project Description

In response to increasing demand for EV charging at ToL facilities, staff have developed a strategy for EV Charging station expansion. The City Owned EV Charging Network aims to support the early EV market by ensuring charging infrastructure is available. For 2019: installation of EV charging infrastructure in the Brookswood community. In 2020: expansion of EV charging infrastructure at the Operations Centre to include new stations available for public use.

Project Justification

The Township currently has seven level II electric vehicle charging stations installed. Four of the stations are publicly accessible, located at the Civic Facility, Langley Events Centre, Walnut Grove Community Centre and W.C. Blair Recreation Centre. The remaining three are Township fleet stations. Since installing the stations, the Township has received requests from the public to install additional stations.Expanding the city-owned EV charging network will help the Township meet its targets related to: the Sustainability Charter; the Provincial Climate Leadership Plan which has set an 80% GHG reduction target by 2050' electrify 50% of its passenger fleet by 2026; attain E3 Fleet status; the West Coast Electric Fleet Pledge, which commits the organization to assessing the suitability of Evs into the corporate fleet; and a number of policies in the amended OCP directly related to electric vehicles and charging stations expansion. The current network is insufficient for the EV charging needs of the community. Charging times can be elongated due to waiting times at Township facilities.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	30,000	70,000	-	-	-
Operating Revenue	-	-	-	-	-	-
Capital Surplus and Reserves	1,498	-	-	-	-	-
Total Funded	1,498	30,000	70,000	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN882 Department Facility Management Project Manager Chohan, Harbinder

ProjectTitle Various Facilities: Annual Facility Improvements

WorkBreakDown FAC1002-01 Category FACMISC Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		150,000	150,000	150,000	304,600	150,000
Carry Forward Amt	92,940					
Total Project Cost	92,940	150,000	150,000	150,000	304,600	150,000

Project Description	To provide funding for miscellaneous facility improvements that arise during the year.
Project Justification	Many Township facilities are aging and equipment is reaching the end of its useful life. This funding would allow staff to deal with issues and failures as they arise.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	124,365	150,000	150,000	150,000	150,000	150,000
Operating Revenue	-	-	-	-	154,600	-
Total Funded	124,365	150,000	150,000	150,000	304,600	150,000
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN927 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle George Preston Recreation Centre: Roof Replacement

WorkBreakDown NEW Category FACROOF Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		750,000	-	250,000	350,000	650,000
Carry Forward Amt	-					
Total Project Cost	-	750,000	-	250,000	350,000	650,000

Project Description

There are a number of roof areas at the George Preston Recreation Centre that are approaching the end of their recommended leak free service life. In 2015, a roof condition assessment was completed by a roofing consultant, which indicated that of the seven main roof areas, six will require replacement from 2018 to 2021. The various roofing systems were observed to exhibit a number of items that could lead to failures, such as blisters of the membrane, granule loss, failed sealant, and other items. All of these items can lead to failure of the roofing system.

The proposed budget is for design and construction.

Project Justification

Failure to complete roof replacements will lead to water ingress into the building interior areas. This includes the curling rink, where a roof leak could lead to damage of the ice surfaces. This could result in a shutdown of the facilities to complete ice repairs in addition to the required roof repairs. Also, water ingress into the building interior could lead to mold growth and potential health related safety concerns.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	500,000	-	-	-	-
Prior Year's Surplus	-	250,000	-	-	-	-
Operating Revenue	-	-	-	104,600	350,000	504,600
Total Funded	-	750,000	-	104,600	350,000	504,600
Unfunded		-	-	145,400	-	145,400
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN961 Department Facility Management Project Manager Schmidt, Ryan

ProjectTitle Annual Climate Action Reserve Fund Energy Efficiency Projects

WorkBreakDown FAC1012-01 Category FACENER Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		250,000	250,000	250,000	250,000	250,000
Carry Forward Amt	-					
Total Project Cost	-	250,000	250,000	250,000	250,000	250,000

Project Description

In 2017, Council approved a new Climate Action Reserve Fund Policy which established guidelines for the use of the reserve fund that support the Township's commitment to the Climate Action Charter, including the creation of the new Corporate Climate Action Program (CCAP) proposed for immediate implementation. The CCAP is a mechanism for investments in energy saving capital projects in Township facilities. All projects selected will have a minimum 5 year payback and therefore produce a utility savings that will be reinvested back into the fund to support ongoing energy efficiency projects in subsequent years.

Project Justification

CCAP projects ensure a reinvestment into the fund while simultaneously reducing the Township's energy footprint and upgrading facility assets. If the use of the fund for 2019 is not approved, energy consumption and costs will continue to rise for the Township.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	250,000	250,000	250,000	250,000	250,000
Others	-	-	-	-	-	-
Total Funded	-	250,000	250,000	250,000	250,000	250,000
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN594 Department Facility Management Project Manager Chohan, Harbinder

ProjectTitle Unidentified Externally Funded Projects

WorkBreakDown FAC1013-01 Category FACILITIES Project Priority Ranking NA

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		10,000,000	10,000,000	10,000,000	10,000,000	10,000,000
Carry Forward Amt	-					
Total Project Cost	-	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000

Project Description: Externally funded projects not in budget. This is a budget provision to take advantage of potential private contributions to municipal projects.

Project Justification: To provide budget for externally funded capital projects not budgeted for in Facilities.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Others	-	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000
Total Funded	-	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN950 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle Condenser Replacement: RCMP Main Detachment

WorkBreakDown RCMP1021-01 Category FACHVAC Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		650,000	-	-	-	-
Carry Forward Amt	60,000					
Total Project Cost	60,000	650,000	-	-	-	-

Project Description

The existing condenser has passed its useful life expectancy and is due for replacement. An assessment was undertaken in 2017 that showed signs of oils stains/leakage were noted in various locations. This is indicative of refrigerant leaks. No leaks should be present in a refrigerant system. A design has been completed and this funding request is to purchase and install the new unit.

Project Justification

This unit provides cooling for more than 90% of the occupied space in the building. A sudden failure of this unit would result in the loss of cooling capacity in the building. Performing a repair is possible but will be costly, it would not extend the overall useful life of the equipment and would take several weeks to complete, with significant interruptions to facility operations.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	-	-	-	-	-
Others	21,000	227,500	-	-	-	-
Capital Surplus and Reserves	39,000	-	-	-	-	-
Total Funded	60,000	227,500	-	-	-	-
Unfunded		422,500	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN904 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle Operations Centre: Repairs and Improvements

WorkBreakDown OPCF1001-01 Category FACNBLD Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		100,000	-	-	-	-
Carry Forward Amt	122,899					
Total Project Cost	122,899	100,000	-	-	-	-

Project Description	The Operations Centre is over 20 years old and there are many improvements and repairs that need to be done to the building and the yard. This funding will be utilized for electrical/mechanical upgrades, interior improvements to increase space utilization, address safety concerns, additional parking , etc.
Project Justification	To improve space utilization, increase capacity, replace aging equipment and infrastructure, provide additional storage, etc. The consequences are inefficient use of site, capacity issues, safety, etc.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	-	-	-	-	-	-
Total Funded	-	-	-	-	-	-
Unfunded		100,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN897 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle Fire Halls (Various): Facility Upgrades & Improvements

WorkBreakDown FM1029-01 Category FACINTR Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		245,000	100,000	100,000	100,000	100,000
Carry Forward Amt	105,087					
Total Project Cost	105,087	245,000	100,000	100,000	100,000	100,000

Project Description

This capital project seeks funding to repair or replace various components of fire hall facilities. Work includes space modifications, building envelope, mechanical, electrical, interior/exterior finishes, etc. Some of the projects for 2019 include interior improvements and replacement of a section of the flat roof at Fire Hall 6.

Project Justification

Further deterioration may cause additional maintenance repairs and costs, impacts on energy, user impacts, and higher operating costs.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	90,280	-	-	100,000	100,000	100,000
Capital Surplus and Reserves	11,856	-	-	-	-	-
Total Funded	102,136	-	-	100,000	100,000	100,000
Unfunded		245,000	100,000	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1112 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle McLeod Athletic Park: Grandstand Roof Repairs/Replacement

WorkBreakDown NEW Category FACROOF Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		1,000,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	1,000,000	-	-	-	-

Project Description	Replacement of the roof system and installation of a deck overlay board. The skylights will be replaced with a roofing system, not a new skylight system.
Project Justification	A roofing consultant was contracted to perform a detailed site review of the structure in 2018 which identified damage to several areas of the plywood decking which is allowing continued water ingress underneath the membrane. Failure to replace the roof will result in further water ingress and deterioration of the roof system, as well as potential damage to the permanent structural components of the facility.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		1,000,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN938 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle Walnut Grove Community Centre: Glass Block Wall Repairs

WorkBreakDown NEW Category FACMISC Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		110,000	-	400,000	-	-
Carry Forward Amt	-					
Total Project Cost	-	110,000	-	400,000	-	-

Project Description

Repair/replace two areas of glass block wall systems (exterior wall and steam room respectively) original to the facility. The steel members within the exterior glass block wall have shown significant signs of corrosion which have continued to progress. The sauna and steam room walls have algae growing between the glass blocks in the mortar joints that cannot be cleaned without damaging the mortar holding the glass block together.

Project Justification

If not repaired, corrosion will continue to accelerate and progression of rust jacking will occur, which could lead to breakage of the glass blocks. It could also lead to failure of the mortar joints holding the glass blocks together.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	-	-	-	-	-	-
Total Funded	-	-	-	-	-	-
Unfunded		110,000	-	400,000	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1183 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle Walnut Grove Park: Caretaker Roof Replacement

WorkBreakDown WGCF1006-01 Category FACROOF Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		150,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	150,000	-	-	-	-

Project Description	Design and construction of a new roof assembly. Components of the existing roof system are either approaching or have already passed the expected life cycle.
Project Justification	Failure to complete the roof replacement will lead to water ingress into the building interior areas. This would result in expensive emergency repairs being required. The existing metal roof at the Walnut Grove Caretaker facility is approximately 25 years old and has a typical service life of 40 years, however, there is a history of water ingress into the facility through the roof. In August 2018, a Project Directive Report was completed by a roofing consultant, which indicated that based on past water ingress, existing fasteners being beyond replacement (have previously been replaced), and degraded/missing foam gaskets; hence, the roof is recommended to be replaced. The report also indicated that the skylights present on the steep roof area are at or beyond their anticipated service life.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		150,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN893 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle Operations Centre: Wash Bay Improvements

WorkBreakDown FM1028-01 Category FACEXTR Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		125,000	-	-	-	-
Carry Forward Amt	7,000					
Total Project Cost	7,000	125,000	-	-	-	-

Project Description

The Wash Bay at the Operations Facility is over 24 years old; some of the components have passed the end of their service life and require replacement. In addition, new systems are recommended to meet current safety standards and improve the functionality of the Wash Bay. This funding is required to undertake the necessary design development and supply and installation of improvements and replacements.

Project Justification

Risks to staff safety/limitations on functionality of the wash bay (unable to access the back of tandem trucks because no fall protection exists), continued deterioration of the Accessory Building, and increased maintenance costs.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	-	-	-	-	-	-
Capital Surplus and Reserves	3,351	-	-	-	-	-
Total Funded	3,351	-	-	-	-	-
Unfunded		125,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1111 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle WC Blair Recreation Centre: Parking Lot Pavement Replacement

WorkBreakDown NEW Category FACGRND Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		250,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	250,000	-	-	-	-

Project Description

Several areas of the paved parking lot and driving surfaces are showing significant signs of deterioration and cracking. Project scope includes replacement of the existing asphalt and base material for localized areas within the south and east parking and driving surfaces. In addition to asphalt replacement, perform localized curb repairs where the concrete has been damaged, as well as readjustment of the various catch basins.

Project Justification

Failure to carry out this work will result in further deterioration of the paved surfaces and concrete curbs which could lead to damage to vehicles and trip hazards. Increased operating funds are required to address safety issues if this work is not completed.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		250,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1104 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle WC Blair Recreation Centre: Hot Tub Ultraviolet System

WorkBreakDown NEW Category FACMISC Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		125,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	125,000	-	-	-	-

Project Description	Hot tub water is currently sanitized using a gas chlorine-based sanitization system. The scope of this work is to implement a Ultraviolet (UV) system for the hot tub so that all pool water in this facility would be conditioned by UV. New technologies have made the use of chlorine and chemical oxidizers for pool water sanitation an outdated method. The combination of these chemicals has many downsides such as the strong chlorine smell present on the pool deck. These are considerably reduced when UV is used.
Project Justification	Implementation of a UV System will minimize the use of chemical oxidizers and will reduce the amount of chlorine stored at the facility. Operating costs are also reduced as less chlorine needs to be purchased to operate the system. Chlorine in the air is corrosive and causes damage to metal objects in the pool area, such as the building structural steel. Reducing the amount of chlorine in the air will reduce the corrosion of the metal components, thus increasing the service life and reducing maintenance costs.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		125,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN955 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle Langley Events Centre: Exterior Painting and Seal Replacement

WorkBreakDown LECF1003-01 Category FACEXTR Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		180,000	-	-	-	-
Carry Forward Amt	89,217					
Total Project Cost	89,217	180,000	-	-	-	-

Project Description

This project is to re-paint the exterior concrete walls. In addition to re-painting, the sealant between the concrete panels is failing and must be repaired to prevent water ingress into the building interior. The building exterior walls were assessed and the majority of the paint coating on the concrete walls for both buildings was found to be in poor condition, as well as a high percentage of the sealant between joints.

Project Justification

Failure of some portions of the building envelope has already occurred. To mitigate further failure and to maintain aesthetics and the integrity of the building envelope, painting and resealing are required. This is a continuation of the existing paint and sealant repair project approved in 2017.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	88,450	-	-	-	-	-
Capital Surplus and Reserves	767	-	-	-	-	-
Total Funded	89,217	-	-	-	-	-
Unfunded		180,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN916 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle Aldergrove Credit Union Community Centre: Mechanical, Electrical & Other

WorkBreakDown NEW Category FACMECH Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		275,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	275,000	-	-	-	-

Project Description	Additional enhancements to reduce/monitor energy usage, measure water conservation, provide more pool deck heating, adding VFD's, automated systems for dispensing of pool chemicals, etc.
Project Justification	Take advantage of the rough in work completed at time of construction, reduce energy usage, and allow for better monitoring and reporting.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		275,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN940 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle Fort Langley Outdoor Pool: Condition Assessment

WorkBreakDown NEW Category FACGRND Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		35,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	35,000	-	-	-	-

Project Description

Undertake a detailed condition assessment to determine the life expectancy of the pool, equipment, and associated infrastructure. The Fort Langley Outdoor Pool is nearing the end of its useful life and undertaking this assessment will provide more information regarding the condition, compliance and required financial investment.

Project Justification

To understand the current condition of all the pool components. Not proceeding with the assessment may lead to issues that could result in significant impacts and closures to deal with emergency issues.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		35,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN945 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle Walnut Grove Community Centre: Facility Renewal Strategy

WorkBreakDown NEW Category FACINTR Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		125,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	125,000	-	-	-	-

Project Description	To establish a 10 year Facility Renewal Strategy for the Walnut Grove Community Centre. This will provide a prioritized list of facility based capital projects to be undertaken, a detailed infrastructure condition assessment, spacing needs of the facility, capital budget estimates, and implementation schedule.
Project Justification	Without a long-term strategy, individual capital projects will continue to be forwarded on an annual basis. This approach leads to increased facility disruptions and closures, increased costs as projects are awarded individually, and greater unknown impact to the annual budget process.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		125,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1108 Department Facility Management Project Manager Chohan, Harbinder

ProjectTitle Langley Events Centre: Facility Renewal Strategy

WorkBreakDown NEW Category FACMISC Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		150,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	150,000	-	-	-	-

Project Description	To establish a 10 year Facility Renewal Strategy for the Langley Events Centre. This will provide a prioritized list of facility based capital projects to be undertaken, a detailed infrastructure condition assessment, spacing needs of the facility, capital budget estimates, and implementation schedule.
Project Justification	Without a long-term strategy, individual capital projects will continue to be forwarded on an annual basis. This approach leads to increased facility impacts, increased costs as projects are awarded individually, and greater unknown impact to the annual budget process.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		150,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN924 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle Electrical Service Interruption Protection

WorkBreakDown FAC1006-01 Category FACMECH Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		75,000	-	-	-	-
Carry Forward Amt	225,775					
Total Project Cost	225,775	75,000	-	-	-	-

Project Description	Undertake electrical upgrades/modifications to the electrical system to accommodate the connection of a pad-mounted back-up generator for the refrigeration plant to be housed at the Langley Event Centre. This is for additional funding for a pad-mount generator to service LEC only. Potential to up-size to serve 2 ice sheets for future building.
Project Justification	The current system cannot accommodate the connection of a backup generator to keep the refrigeration system operational in the event of an extended power outage. Failure to implement this work may result in loss of the arena ice sheet and lead to significant user impacts.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	225,775	-	-	-	-	-
Total Funded	225,775	-	-	-	-	-
Unfunded		75,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN954 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle Emergency Generator Backup: Various Locations

WorkBreakDown NEW Category RCFACILITY Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		600,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	600,000	-	-	-	-

Project Description

The installation of emergency generator backups at various Township arenas.

Project Justification

To provide emergency power in the event of a prolonged power outage to the refrigeration system. Failure to implement this work may result in loss of the arena ice sheet and lead to significant user impacts.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		600,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1198 Department Facility Management Project Manager Blair, Christine

ProjectTitle Sport Box Upgrades as per User Groups

WorkBreakDown NEW Category FACILITIES Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		350,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	350,000	-	-	-	-

Project Description	Sport Box Upgrades as per User Groups needs
Project Justification	Sport Box Upgrades as per User Groups needs

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		350,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN951 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle Walnut Grove Community Centre: Roof Replacement

WorkBreakDown NEW Category FACROOF Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		300,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	300,000	-	-	-	-

Project Description	Roof sections over the aquatic portion of the building have reached the end of their life expectancy and are in need of replacement. This project is for replacement of roof section B.
Project Justification	A detailed condition assessment was undertaken in 2016. The roof areas have developed high levels of blistering and granule loss. Other issues observed include loose membrane laps, crazing, moss and algae growth, and various flashing issues. Due to the high number of issues observed across the roof areas, and the severity of the general condition of the roof systems, it is recommended that these roofs be fully replaced. Not proceeding with the replacement will likely require an increase to the operating budget to undertake emergency repairs and temporary roofing fixes to address failures.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	-	-	-	-	-	-
Total Funded	-	-	-	-	-	-
Unfunded		300,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1174 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle Walnut Grove Community Centre: Various Pools Grout Replacement

WorkBreakDown NEW Category FACINTR Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		40,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	40,000	-	-	-	-

Project Description

Grout replacement in the deep end of the lap pool and various regions of the leisure pool. All pools in this facility are tiled and grouted. Over the years, wear and tear has caused the failure of grout in portions of the pools.
Grout replacement can only occur during the annual facility shutdown when the pools are empty.

Project Justification

Failure to re-grout the pool basins can cause tiles to pop up, the pool basin to be damaged, and failure of the pool waterproofing membrane. Sharp corners of the tiles are exposed when the grout thins and can cause patrons to cut their feet while walking in the pool. Grout replacement can only occur during the annual facility shutdown when the pools are empty and therefore a failure could result in costly and disruptive repairs.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		40,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1127 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle Fire Hall 3: Driveway Pavement Replacement

WorkBreakDown NEW Category FACGRND Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		250,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	250,000	-	-	-	-

Project Description

Replacement of the existing asphalt and base material for all parking and driving surfaces. In addition to asphalt replacement, perform localized curb repairs. The majority of the paved surfaces are showing significant signs of cracking and deterioration which is likely the result of settlement and water ingress. Some localized areas of the concrete curbs are noted to have spalled as a result of concrete failure and vehicle impacts.

Project Justification

Not proceeding with work will result in further deterioration of the paved and concrete surfaces which could lead to increased operating and maintenance costs for interim repairs, as well as damage to vehicle tires.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		250,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1136 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle Walnut Grove Community Centre: Pool Feature Replacement

WorkBreakDown NEW Category FACMISC Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		150,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	150,000	-	-	-	-

Project Description	Replacement of failing water features in the leisure pool. The water features are in extremely poor condition due to their age and the corrosive environment; specifically the portions that are submerged underwater. There are signs of significant corrosion, pitting, and cross sectional loss. During the annual facility shutdown in 2018, portions of the water features had to be welded as they were falling apart and posed a safety concern.
Project Justification	Pool features in the leisure pool are experiencing heavy corrosion, pitting, and cross sectional loss. Reactive repairs were carried out during the 2018 facility shutdown but do not prolong the useful life. Failure of the pool features will result in a potential safety hazard and the closure of the leisure pool.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		150,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1107 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle Operations Centre Fire Training Ground: Burn Building Repairs

WorkBreakDown NEW Category FACEXTR Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		250,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	250,000	-	-	-	-

Project Description

Due to the age of the structure and the activities that the Burn Building is exposed to, various components of the building require repair or replacement. A condition assessment was performed in 2017 and subsequent design work was performed in 2018. Work includes refractory liner repairs, concrete block pointing, sealant replacements, etc.

Project Justification

Performing repairs outlined in the assessment ensures compliance with industry best practices in operating a building for Live Fire Training. Refractory liner repairs are necessary to minimize the potential for damage to the structural integrity of the building when exposed to extreme temperatures. Additional maintenance work extends the lifespan of the various building components and the structure itself. If this capital funding is not approved, additional operating funding will be required to maintain this structure.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		250,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1114 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle Walnut Grove Community Centre: Pool Air Handling Unit Upgrades

WorkBreakDown NEW Category FACHVAC Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		85,000	800,000	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	85,000	800,000	-	-	-

Project Description

AHU-1 and AHU-2 are the two air handling units providing climate control for the natatorium. They are original to the construction of the natatorium. They are located in the third floor mechanical room and were originally put in place before the mechanical room was built around them. Therefore, straight replacement is not recommended because it would require opening of the roof, which would result in extended facility shutdown and impact to facility patrons. The scope of this project includes design and construction for overhauling these units by replacing their major components without replacing the entire units. The budget requested for 2019 is for design only.

Project Justification

Both units have passed their expected useful life. The cooling systems are in the worst conditions with one compressor changed in 2017. Any major failure would directly impact the public use and programs offered in the natatorium and requires expensive reactive repairs.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		85,000	800,000	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN902 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle George Preston Recreation Centre: Air Handling Unit Replacement

WorkBreakDown NEW Category FACMECH Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		140,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	140,000	-	-	-	-

Project Description

Two air handling units have passed their expected service life and are due for replacement. Two independent assessments were undertaken and concluded that the units are in poor condition. RTU-5 is 19 years old and serves the 1st floor north side of the curling arena. RTU-7 is 22 years old and serves the 2nd floor south side of the curling arena.

Project Justification

Sudden failure of either or both of these units would require an emergency replacement. This will result in additional replacement costs as well as poor performance due to lack of time to generate proper engineering documentation. Major repairs to these units are not recommended as the refrigerant system (R-22) will be phased out and the units have passed their expected useful life.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		140,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN903 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle Brookswood Senior's Centre: Building Envelope Remediation

WorkBreakDown NEW Category FACNBLD Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		50,000	100,000	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	50,000	100,000	-	-	-

Project Description	Through recent assessments it has been determined that the wood siding and roof areas have deteriorated and are in poor condition. This project proposes replacing the existing wood cladding and the roof system.
Project Justification	Failure to undertake these repairs may result in further deterioration , leading to moisture ingress into the building interior and potentially structural damage.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		50,000	100,000	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1113 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle WC Blair Recreation Centre: Main Pool and Hot Tub Heat Exchanger Replacement

WorkBreakDown NEW Category FACMECH Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		75,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	75,000	-	-	-	-

Project Description	Replacement of the two existing shell and tube heat exchangers with two plate and frame heat exchangers. These are heat exchangers utilized in the pool water heating loop. These transfer heat from the boiler water to the pool water. Shell and tube heat exchangers are not recommended for this application. The tubes are made of copper; chlorine damages the copper parts of the heat exchangers and decreases their useful life cycles. During the annual maintenance in 2018, the Township's service contractor noted that there is pitting on the tubes and both units should be planned for replacement.
Project Justification	Sudden failure of these units will result in contamination of the pool water with boiler water as the boiler loop is at a higher pressure. As a result, would necessitate the closure of the pool and/or the hot tub until the heat exchangers are replaced.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		75,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN939 Department Facility Management Project Manager Parenteau, MiKe

ProjectTitle Facilities Vehicle

WorkBreakDown NEW Category FACILITIES Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		65,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	65,000	-	-	-	-

Project Description	Purchase of a new vehicle for Facilities Maintenance. Ford Transit Cargo Van.
Project Justification	The department utilizes a vehicle that was slated for auction. It is over 13 years old and has reached the end of its useful life.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Others	-		-	-	-	-
Total Funded	-	-	-	-	-	-
Unfunded		65,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN926 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle Facilities Annual Pre-Design

WorkBreakDown NEW Category FACMISC Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		75,000	75,000	75,000	75,000	75,000
Carry Forward Amt	-					
Total Project Cost	-	75,000	75,000	75,000	75,000	75,000

Project Description	Allows for completion of preliminary design work to plan/examine various options and obtain accurate budgetary figures prior to submission of large capital budgets.
Project Justification	More accurate construction budgets and timelines can be presented through the budget process. This also allows the project team to better define the project scope before committing to detailed design & construction.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	-	-	75,000	75,000	75,000	75,000
Total Funded	-	-	75,000	75,000	75,000	75,000
Unfunded		75,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN917 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle Fire Hall 6: HVAC Upgrades

WorkBreakDown NEW Category FACHVAC Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		350,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	350,000	-	-	-	-

Project Description	To retrofit the existing air conditioning system to maintain thermal comfort throughout the facility. Fire Hall 6 is a post-disaster building constructed in 1998. The building is air conditioned by a central Air Handling Unit (AHU) that serves multiple zones. Since the original construction, the building interior spaces have been reconfigured without any upgrades to the mechanical system. This has now resulted in complaints from the facility users and staff related to the heating and cooling of the building.
Project Justification	An assessment completed in 2016 confirmed that the existing air conditioning system is not adequate for this facility. The air handling unit and its associated control system are not capable of maintaining the required level of thermal comfort. The mechanical equipment has also passed its expected service life and is due for replacement.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		350,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1186 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle Parks Facilities Various: Mechanical Upgrades

WorkBreakDown NEW Category FACMECH Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		30,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	30,000	-	-	-	-

Project Description	Replace various mechanical system components at various parks facilities. Due to the age of some of the parks facilities, various mechanical system components have reached or have passed their useful life and are due for replacement.
Project Justification	Failure to replace the old units will lead to water leaks and loss of cold/hot water due to failure of components. Many of these buildings are not occupied regularly and leaks could go undetected leading to building structure and component damage. The structures will also not have access to hot water until a new unit is installed if the water heaters fail.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		30,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1187 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle McLeod Athletic Park: Washroom Roof Replacement

WorkBreakDown NEW Category FACROOF Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		50,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	50,000	-	-	-	-

Project Description	Replacement of the roofing system for the washroom. The existing flat SBS roof system at the McLeod Athletic Park Washroom has reached the end of its service life and should be replaced to prevent water ingress into the building structure and interior areas. Previous concerns have been identified on the east side of the roof, where water did not appear to be draining, and significant leakage from the roof was also noted on the exterior of the east wall. In addition, the existing skylights have reached the end of their forecasted service life and have been recommended to be replaced.
Project Justification	If the roof system and skylights are not replaced, there is the potential for water ingress into the building interior which could result in damage to the structure and extensive maintenance repair costs.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		50,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1171 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle Walnut Grove Community Centre: Change Room Trench Drain Replacement

WorkBreakDown NEW Category FACINTR Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		35,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	35,000	-	-	-	-

Project Description

Repair and replacement of the existing trench drain system with the new standard system. The change room trench drains and frames are original to the Aquatic Centre construction. The concrete base of the trenches have deteriorated over time and are in need of localized repairs, and in some cases full replacement.

Project Justification

If the trench drains are not corrected, there is potential for increased health and safety issues.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		35,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1122 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle Walnut Grove Community Centre: Hot Tub and Therapeutic Pool Retiling

WorkBreakDown NEW Category FACMISC Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		150,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	150,000	-	-	-	-

Project Description	Tiling in both pools are original to when the natatorium was constructed in 1998. Because of their high temperatures, more chemical oxidizers are used to compensate for chlorine evaporation. These oxidizers stick to the tile surface and are typically scrubbed off during regular pool maintenance, often twice a week. As a result of the harsh environment and years of scrubbing, the glazing surface of the tiles has been compromised. Tiling in the basin and around the walls of these two pools are also passed their expected useful life and are in need of replacement.
Project Justification	The tiling has passed its expected useful life and should be replaced. It is not possible to properly clean the tiling in these two pools.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		150,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1106 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle Fire Hall 4: Hose Tower Repairs

WorkBreakDown NEW Category FACNBLD Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		75,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	75,000	-	-	-	-

Project Description

Ongoing water leaks at the hose tower roof, windows and doors is causing damage to interior fixtures. In 2018, the engineering consultant recommended repairs and replacement to the roofing, windows, doors and concrete structure of the hose tower to mitigate water damage to the interior.

Project Justification

Failure to fix the water ingress will result in further damage to the building interior, leading to increased operating costs. There is also the potential for interior equipment and fixtures to be damaged, leading to unexpected and costly repairs and replacements.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		75,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1168 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle Willoughby Community Centre: Multi-purpose Room Improvements

WorkBreakDown New Category FACINTR Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		75,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	75,000	-	-	-	-

Project Description	Lighting upgrades, new appliances, and the design and construction of new storage systems that will better suit the needs of the programs using the room. Room 1 at the facility is a multipurpose room used for a various programs, some of which include daycare (September through June), yoga, courses, day camps, and meetings. This room generates considerable rental and program revenue for the facility and is in need of updating. The existing cupboards and cabinets are damaged, do not provide sufficient storage space, and are not functional to support the needs of the current programs. The existing appliances are also approaching the end of their service life and require replacement. Lighting upgrades (dimming, lighting controls, etc.) are also required to meet the needs of the various user groups.
Project Justification	Due to the high demands and continuous usage of the room by various groups in the Township, the interior upgrades are required to maintain a consistent standard.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		75,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1175 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle Walnut Grove Community Centre: Meeting Room Flooring Replacement

WorkBreakDown NEW Category FACINTR Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		35,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	35,000	-	-	-	-

Project Description	Replacement of the flooring in the multipurpose rooms. These rooms are typically used for meeting rooms, day camps, etc. which generate rental and program revenue. The carpet in these rooms are approaching the end of their useful service life and some localized areas are worn through. The carpet is also difficult to maintain; heavy user traffic and programs with food, art supplies, etc. It has been recommended that the floors be replaced with a more durable product that will also be easier to clean and maintain.
Project Justification	These rooms generate rental and program revenue and upgrading the floor and replacing the chairs will improve the functionality of the rooms for users and make it easier to clean. If the carpet and chairs are not replaced, the materials will continue to degrade, and maintenance costs will continue to increase.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		35,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1177 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle Various Recreation Facilities: Accessibility Improvements

WorkBreakDown NEW Category FACINTR Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		25,000	-	-	-	-
Carry Forward Amt	75,000					
Total Project Cost	75,000	25,000	-	-	-	-

Project Description

Accessibility improvements to various recreational facilities that allow for easier access. This will consist of push button access on applicable doors, and other accessibility features, as required. It has been identified that several of the existing recreational facilities do not have push button access for all of the rooms that should be accessible for people with disabilities.

Project Justification

Upgrading the accessibility of these facilities will ensure that we meet the standards and guidelines for accessibility in BC.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		25,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1119 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle Walnut Grove Community Centre: Therapy Pool Ultraviolet System

WorkBreakDown NEW Category FACMECH Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		100,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	100,000	-	-	-	-

Project Description

Upgrade the therapy pool sanitization system to an Ultraviolet (UV) system. New technologies have made the use of chlorine and chemical oxidizers for pool water sanitation an outdated method. The combination of these chemicals has many downsides which are considerably reduced when a UV pool sanitation system is used. Over the past few years, most municipalities have been moving towards UV pool sanitation systems. Although these systems require a small amount of chlorine to operate, they minimize the use of chemical oxidizers.

Project Justification

UV will eliminate the use of chemical oxidizers and will result in a smaller amount of chlorine being stored at the facility, resulting in a safer environment for both the public and the Township staff working in the building. Operating costs are also lowered as less chlorine will need to be purchased in order to operate the system. Chlorine in the air is corrosive, and causes damage to metal objects in the pool area, such as the building structure and the waterslide supports. Reducing the amount of chlorine in the air will reduce the corrosion of the metal components, thus increasing the service life reducing maintenance costs.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		100,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1116 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle Walnut Grove Community Centre: Hot Tub Ultraviolet System

WorkBreakDown NEW Category FACMECH Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		125,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	125,000	-	-	-	-

Project Description

Walnut Grove Recreation Centre contains a leisure pool, therapy pool, lap pool and hot tub. Water is currently sanitized using a gas chlorine-based sanitization system. The scope of this project is to upgrade the hot tub sanitization system to an Ultraviolet (UV) system. In general, UV systems reduce the chlorine smell usually present at the pool deck making it a healthier environment for the facility patrons. New technologies have made the use of chlorine and chemical oxidizers for pool water sanitation an outdated method. The combination of these chemicals has many downsides which are considerably reduced when a UV pool sanitation system is used. Over the past few years, most municipalities have been moving towards UV Pool Sanitation Systems. Although these systems require a small amount of chlorine to operate, they minimize the use of chemical oxidizers.

Project Justification

The implementation of a UV System will eliminate the use of chemical oxidizers and will require less chlorine to be stored at the facility. This results in a safer environment for both the public and the Township staff. Operating costs will be reduced as less chlorine will need to be purchased in order to operate the system. Chlorine in the air is corrosive, and causes damage to metal objects in the pool area, such as the building structure and the waterslide supports. Reducing the amount of chlorine in the air will reduce the corrosion of the metal components, thus increasing the service life and reducing maintenance costs.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		125,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN928 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle Aldergrove Kinsmen Community Centre: Roof Replacement

WorkBreakDown NEW Category FACROOF Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		150,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	150,000	-	-	-	-

Project Description

Replacement of the roofing system.

Project Justification

The existing roof systems at Aldergrove Kinsman Community Centre are either approaching or have already passed their expected leak free life cycle. Extensive deficiencies were noted in the 2015 roof review. Not replacing the roof system will lead to water ingress into the building interior areas. This would result in increased operating costs to deal with emergency repairs.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		150,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN921 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle Facilities Planning & Construction: Vehicle

WorkBreakDown NEW Category FACILITIES Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		37,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	37,000	-	-	-	-

Project Description	A new vehicle for the Facilities Planning & Construction department is required to facilitate daily site inspections, meetings, and investigations.
Project Justification	The Facilities Planning & Construction department currently does not have a dedicated vehicle, and relies on shared pool cars to attend site visits, meetings and investigations. This results in situations where vehicles are not available.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		37,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1179 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle WC Blair Recreation Centre: Pool Mechanical Room Air Conditioning

WorkBreakDown NEW Category FACMECH Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		60,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	60,000	-	-	-	-

Project Description	Installation of an air conditioning system for the mechanical room. The pool mechanical room is in the basement of the facility. The space contains hot water tanks, pumps, water distribution piping, and a variety of other mechanical components that dissipate heat into the space. Currently, this space only has ventilation resulting in high space temperature in summer months. Similar spaces throughout the Township have mechanical cooling.
Project Justification	Excessive temperatures do not meet thermal comfort for the maintenance crew working on the equipment. There are regular complaints regarding excessive heat and the difficulty to work in this area. High temperatures have also affected various equipment operation in this room.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		60,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1166 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle Willoughby Community Centre: Floor Replacement

WorkBreakDown NEW Category FACINTR Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		75,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	75,000	-	-	-	-

Project Description	The cardio room is used for several different programs and classes which generate significant revenue. The existing coating on the hardwood spring/floating flooring is approaching the end of its useful service life and some localized areas are worn and other areas have been damaged from equipment used for some of the classes (i.e. spin bike shoes have created several dents damaging the flooring). It has been recommended that the floors be re-surfaced and that a removable matted pathway be installed to prevent equipment from damaging the flooring. This project proposes to resurface the existing hardwood and supply and install a protective covering for a pathway to the spin bikes.
Project Justification	These rooms generate revenue and replacing the floor and installing mats/covering to prevent future damage to the new flooring will help to improve the functionality of the rooms for users. If the flooring is not re-surfaced, it will continue to degrade, maintenance costs will continue to increase.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		75,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN914 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle Walnut Grove Community Centre: Fitness Room Air Handling Unit Ventilation Upgrade

WorkBreakDown NEW Category FACMECH Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		180,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	180,000	-	-	-	-

Project Description	Replace the existing undersized air handling units with a properly sized unit and a redesign/upgrade of air distribution in the space. The current mechanical systems serving the fitness room are insufficient to provide the adequate level of cooling and airflow through the space.
Project Justification	To provide an acceptable level of thermal comfort and replace the existing units that have reached the end of their useful life. If an emergency repair is required, it could cost more than a planned replacement and would impact facility patrons' access to the space. The upgrade will potentially require the room to be closed for six (6) weeks.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		180,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1167 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle Willoughby Community Centre: Multi-Media Room Upgrades

WorkBreakDown NEW Category FACINTR Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		25,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	25,000	-	-	-	-

Project Description	Multi-Media Room lighting upgrades, painting improvements, flooring replacements, and the design and construction of new storage systems that will better suit the needs of the programs .
Project Justification	Due to the high demands and continuous usage of the room by various groups, the interior upgrades are required to maintain a consistent standard of service.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		25,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN918 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle Various Facilities: Lighting Upgrade

WorkBreakDown FAC1004-01 Category FACENER Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		50,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	50,000	-	-	-	-

Project Description

Most of the aging infrastructure in the Township is using older lighting technologies such as metal halide and high-pressure sodium that are becoming scarce and costly to replace. The alternative is to change them to LED, but that requires replacement of the fixtures. This request is to undertake lighting upgrades at various facilities.

Project Justification

The operating budget only allows for a light bulb replacement. Given the increase in price of old technology and the availability of LEDs, it is recommended that the older fixtures be replaced with new LED technology.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		50,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN919 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle Various Facilities: Direct Digital Control Upgrade

WorkBreakDown NEW Category FACMECH Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		50,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	50,000	-	-	-	-

Project Description	This budget is to upgrade the existing older DDC panels. The manual operation of some equipment will also be converted to automatic control. This will allow better control of the equipment and allow for these building systems to be accessed remotely through the online interface.
Project Justification	This funding will be used for the upgrade of the current DDC panels across the Township making the operation of HVAC, pool, and lighting equipment more energy efficient. Panel upgrades will also allow better control of the equipment and allow remote access and control of the equipment.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		50,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN932 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle Walnut Grove Community Centre: Gymnasium Air Conditioning System

WorkBreakDown NEW Category FACHVAC Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		150,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	150,000	-	-	-	-

Project Description	The existing gymnasium has two air handling units in the high ceiling that are only capable of providing heating. During the summer months and/or when there is high occupancy, the space temperature increases to highs of 35°C. It is recommended to install mechanical cooling for these two units in order to maintain the proper level of thermal comfort required.
Project Justification	Currently there is no cooling in the gymnasium and this leads to an elevated space temperature in the gymnasium. Service to facility patron's will be limited in the gymnasium when indoor space temperatures exceed thermal comfort limits.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		150,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN1184 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle Philip Jackman Park: Washroom Renovations

WorkBreakDown NEW Category FACINTR Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		150,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	150,000	-	-	-	-

Project Description

Demolition of the existing washroom facility and supply and installation of the washrooms. The washroom facility at Philip Jackman Park is original to the pre-existing Aldergrove Outdoor Pool, which has since been replaced by a waterpark. The existing washroom building and fixtures have reached their forecasted service life and would require significant funding for rehabilitation. It is recommended that the existing washrooms be demolished and new pre-fabricated washrooms be installed.

Project Justification

Facilities are needed to accommodate the patrons and their families for the new waterpark. If additional washrooms are not installed, the existing washroom will continue to deteriorate and there will be an increase in maintenance and operating costs.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		150,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN946 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle Various Facilities: Annual Furniture and Equipment Replacement

WorkBreakDown NEW Category FACINTR Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		40,000	40,000	40,000	40,000	40,000
Carry Forward Amt	-					
Total Project Cost	-	40,000	40,000	40,000	40,000	40,000

Project Description

Replacement of furniture and equipment that has reached the end of its useful life.

Project Justification

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	-	-	-	40,000	40,000	40,000
Total Funded	-	-	-	40,000	40,000	40,000
Unfunded		40,000	40,000	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID EN899 Department Facility Management Project Manager Ardestani, Farzad

ProjectTitle Community Policing Office: Non-Shared Building Improvements

WorkBreakDown CPO1000-01 Category FACMISC Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		25,000	-	-	-	-
Carry Forward Amt	7,270					
Total Project Cost	7,270	25,000	-	-	-	-

Project Description	Building improvements for Community Police Offices.
Project Justification	There are assets that have reached the end of their useful life and are in need of replacement

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	7,270	-	-	-	-	-
Total Funded	7,270	-	-	-	-	-
Unfunded		25,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

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Funding Status	Department Name	Ranking	ProjectTitle	ProjectID	Total	Capital Surplus and Reserves	Operating Revenue	Others	Prior Year's Surplus	Unfunded
Inside	Airport	High	Westside Resurfacing	AIR979	400,000				400,000	-
Inside	Airport	High	Apron Resurfacing	AIR980	100,000				100,000	-
Inside	Airport	High	Airport Development Coordinated Works	AIR987	50,000			50,000		-
Inside	Airport	High	Airport Airside Paving	AIR988	70,000		70,000			-
Inside	Airport	High	Landscaping for Terminal Building	AIR992	100,000	100,000				-
Inside	Airport	High	Fence Upgrades	AIR993	75,000	75,000				-
Inside Total	Airport				**795,000**	**175,000**	**70,000**	**50,000**	**500,000**	**-**
Outside	Airport	Medium	New Westside Access Road	AIR983	1,500,000					1,500,000
Outside	Airport	Medium	Vegetation Clean-Up	AIR986	100,000					100,000
Outside	Airport	Medium	Jet Fuel System	AIR989	175,000					175,000
Outside	Airport	Medium	Utility vehicle	AIR990	20,000					20,000
Outside Total	Airport				**1,795,000**	**-**	**-**	**-**	**-**	**1,795,000**
	Airport Total				**2,590,000**	**175,000**	**70,000**	**50,000**	**500,000**	**1,795,000**

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Township of Langley
Capital Project Description

ProjectID AIR979 Department Airport Project Manager Madill, Carol

ProjectTitle Westside Resurfacing

WorkBreakDown NEW Category RUNWAY Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		400,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	400,000	-	-	-	-

Project Description	Resurface all the aged and failing taxi lane and apron infrastructure including drainage on the west side of the airport.
Project Justification	Aging pavement infrastructure requires upgrade and repair.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Prior Year's Surplus	-	400,000	-	-	-	-
Total Funded	-	400,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID AIR980 Department Airport Project Manager Madill, Carol

ProjectTitle Apron Resurfacing

WorkBreakDown AIR1015-01 Category RUNWAY Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		100,000	100,000	-	-	-
Carry Forward Amt	100,000					
Total Project Cost	100,000	100,000	100,000	-	-	-

Project Description	Resurfacing of Aprons and connecting Taxiways throughout the airport.
Project Justification	Aging pavement infrastructure requires upgrade and repair.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Prior Year's Surplus	100,000	100,000	-	-	-	-
Total Funded	100,000	100,000	-	-	-	-
Unfunded		-	100,000	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID AIR987 Department Airport Project Manager Madill, Carol

ProjectTitle Airport Development Coordinated Works

WorkBreakDown AIR1008-01 Category ADMIN Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		50,000	50,000	50,000	50,000	50,000
Carry Forward Amt	100,000					
Total Project Cost	100,000	50,000	50,000	50,000	50,000	50,000

Project Description: To facilitate development at the airport

Project Justification:

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	100,000	-	-	-	-	-
Others	-	50,000	50,000	50,000	50,000	50,000
Total Funded	100,000	50,000	50,000	50,000	50,000	50,000
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID AIR988 Department Airport Project Manager Madill, Carol

ProjectTitle Airport Airside Paving

WorkBreakDown AIR1005-01 Category ROADS Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		70,000	70,000	70,000	70,000	70,000
Carry Forward Amt	40,000					
Total Project Cost	40,000	70,000	70,000	70,000	70,000	70,000

Project Description	Operating contribution to capital to facilitate miscellaneous paving jobs required throughout the airport.
Project Justification	Ongoing improvement of paved surfaces

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	40,000	70,000	70,000	70,000	70,000	70,000
Total Funded	40,000	70,000	70,000	70,000	70,000	70,000
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID AIR992 Department Airport Project Manager Madill, Carol

ProjectTitle Landscaping for Terminal Building

WorkBreakDown NEW Category TERMINAL Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		100,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	100,000	-	-	-	-

Project Description

Landscaping for both air and groundside for the new terminal building. Includes helicopter static display in front of the terminal building

Project Justification

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	100,000	-	-	-	-
Total Funded	-	100,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID AIR993 Department Airport Project Manager Madill, Carol

ProjectTitle Fence Upgrades

WorkBreakDown AIR1018-01 Category FACILITIES Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		75,000	75,000	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	75,000	75,000	-	-	-

Project Description: Upgrade existing airport fencing to 6' standard fencing

Project Justification:

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	75,000	-	-	-	-
Total Funded	-	75,000	-	-	-	-
Unfunded		-	75,000	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID AIR983 Department Airport Project Manager Madill, Carol

ProjectTitle New Westside Access Road

WorkBreakDown NEW Category ROADS Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		1,500,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	1,500,000	-	-	-	-

Project Description	Develop a new access road from the Fraser Highway to the Westside Hangars and Museum area.
Project Justification	This will move the increased vehicle traffic away from the Runway access, therefore reducing the chance of incursions.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		1,500,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID AIR986 Department Airport Project Manager Madill, Carol

ProjectTitle Vegetation Clean-Up

WorkBreakDown NEW Category ADMIN Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		100,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	100,000	-	-	-	-

Project Description

Major clean up of the overgrown vegetation around Airport that borders the Fraser Highway and 216 Street as well as the Westside Blackberries. Funding request will be used to establish cost estimates and begin partial construction.

Project Justification

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		100,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID AIR989 Department Airport Project Manager Madill, Carol

ProjectTitle Jet Fuel System

WorkBreakDown NEW Category OTHEQU Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		175,000		-	-	-
Carry Forward Amt	-					
Total Project Cost	-	175,000		-	-	-

Project Description	To increase the Jet A fuel capability with the purchase of a new 20,000 - 30,000 liter tank to include an automatic refueling system.
Project Justification	Airport requires a increase in Jet A refueling capability during off hours and night operations.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		175,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID AIR990 Department Airport Project Manager Madill, Carol

ProjectTitle Utility vehicle

WorkBreakDown NEW Category OTHEQU Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		20,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	20,000	-	-	-	-

Project Description: Utility vehicle/tractor required for airport operations maintanence.

Project Justification: This vehicle will transport the staff member and maintanence equipment all over the airport to be preform duties.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		20,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Funding Status	Department Name	Ranking	ProjectTitle	ProjectID	Total	Operating Revenue	Prior Year's Surplus	Unfunded
Inside	Information Technology	Critical	Recreation System Upgrade/Replacement	IT724	167,676	10,000	157,676	-
Inside	Information Technology	High	Equipment Replacements	IT709	145,000	145,000		-
Inside	Information Technology	High	Miscellaneous Information Technology Requests	IT715	78,000	78,000		-
Inside	Information Technology	High	Infrastructure	IT717	230,000	230,000		-
Inside	Information Technology	High	eGovernment Framework	IT718	140,000	140,000		-
Inside	Information Technology	High	Electronic Document Management System	IT720	90,000	90,000		-
Inside Total	Information Technology				**850,676**	**693,000**	**157,676**	**-**
Outside	Information Technology	High	Fibre Optics and Network Strategy	IT708	600,000		-	600,000
Outside	Information Technology	High	Corporate Data Warehouse/Business Intelligence	IT730	80,000			80,000
Outside	Information Technology	High	Business Continuity Plan	IT733	120,000			120,000
Outside	Information Technology	High	SmartCities: Mobile Application	IT734	60,000			60,000
Outside	Information Technology	Medium	Langley Events Centre Technology	IT712	10,000			10,000
Outside	Information Technology	Medium	SmartCities: Wi-Fi	IT731	60,000			60,000
Outside	Information Technology	Medium	Office Renovations: Civic Facility 3rd Floor IT Area	IT732	125,000			125,000
Outside Total	Information Technology				**1,055,000**	**-**	**-**	**1,055,000**
	Information Technology Total				**1,905,676**	**693,000**	**157,676**	**1,055,000**

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Township of Langley
Capital Project Description

ProjectID IT724 Department Information Technology Project Manager Makela, Jim

ProjectTitle Recreation System Upgrade/Replacement

WorkBreakDown IT1001-58 Category INFOTECH Project Priority Ranking **Critical**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		167,676	-	-	-	-
Carry Forward Amt	190,135					
Total Project Cost	190,135	167,676	-	-	-	-

Project Description	Migration to a new recreation registration and facility software system. The Township participated in a multi-jurisdictional working group to establish requirements and jointly tender the project. PerfectMind was been selected as the vendor and the Township's implementation of the new system began late 2017 and is expected to go live in Q4 of 2019.
Project Justification	Migration to a new recreation system due to the existing system being discontinued by the manufacturer.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Prior Year's Surplus	-	157,676	-	-	-	-
Operating Revenue	-	10,000	-	-	-	-
Capital Surplus and Reserves	177,621	-	-	-	-	-
Capital Surplus and Reserves	12,514	-	-	-	-	-
Total Funded	190,135	167,676	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID IT709 Department Information Technology Project Manager Makela, Jim

ProjectTitle Equipment Replacements

WorkBreakDown IT1001-36 Category ITEQUIP Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		145,000	150,000	200,000	200,000	200,000
Carry Forward Amt	35,489					
Total Project Cost	35,489	145,000	150,000	200,000	200,000	200,000

Project Description	Computer equipment replacement including computers, peripherals, and other equipment.
Project Justification	Replacement of computer equipment at end of asset life or acquisition of new equipment based on organizational need. Failure to fund equipment replacements will result in an elevated risk of a business disruption for the organization.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	31,935	145,000	150,000	200,000	200,000	200,000
Capital Surplus and Reserves	3,554	-	-	-	-	-
Total Funded	35,489	145,000	150,000	200,000	200,000	200,000
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID IT715 Department Information Technology Project Manager Makela, Jim

ProjectTitle Miscellaneous Information Technology Requests

WorkBreakDown IT1001-38 Category INFOTECH Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		78,000	73,000	73,000	73,000	73,000
Carry Forward Amt	51,789					
Total Project Cost	51,789	78,000	73,000	73,000	73,000	73,000

Project Description	Funding to address divisional Information Technology (IT) requests and projects that come up during the year and can't be anticipated during the budget process.
Project Justification	Unexpected technology requirements come up during the year that have to be addressed. Without such a provision, business interruptions may occur.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	37,686	78,000	73,000	73,000	73,000	73,000
Capital Surplus and Reserves	14,103	-	-	-	-	-
Total Funded	51,789	78,000	73,000	73,000	73,000	73,000
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID IT717 Department Information Technology Project Manager Makela, Jim

ProjectTitle Infrastructure

WorkBreakDown IT1001-01 Category ITSERVER Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		230,000	300,000	250,000	250,000	250,000
Carry Forward Amt	81,868					
Total Project Cost	81,868	230,000	300,000	250,000	250,000	250,000

Project Description

Core technology infrastructure enhancements and replacements. Upgrade or replace aging network (voice and data) infrastructure to ensure the secure and reliable delivery of core technology services. This budget also includes applicable security infrastructure.

Project Justification

Ensure network and telephone system infrastructure meets the operational needs of the organization.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	81,868	230,000	300,000	250,000	250,000	250,000
Capital Surplus and Reserves	-	-	-	-	-	-
Total Funded	81,868	230,000	300,000	250,000	250,000	250,000
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail: Annual maintenance fees.

Township of Langley
Capital Project Description

ProjectID IT718 Department Information Technology Project Manager Makela, Jim

ProjectTitle eGovernment Framework

WorkBreakDown IT1001-42 Category INFOTECH Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		140,000	100,000	100,000	100,000	100,000
Carry Forward Amt	20,636					
Total Project Cost	20,636	140,000	100,000	100,000	100,000	100,000

Project Description

Implementation of required core technologies and integrations to systems to facilitate the goals and objectives of the eGovernment strategy. The request includes funds for external consulting to assist departments with eGovernment-related activities.

Project Justification

In June of 2013, Council endorsed the eGovernment strategy. If the project does not continue, the goals and objectives outlines in the eGovernment strategy cannot be achieved.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	21,649	140,000	100,000	100,000	100,000	100,000
Capital Surplus and Reserves	5,354	-	-	-	-	-
Total Funded	27,003	140,000	100,000	100,000	100,000	100,000
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail: Annual maintenance costs.

Township of Langley
Capital Project Description

ProjectID IT720 Department Information Technology Project Manager Makela, Jim

ProjectTitle Electronic Document Management System

WorkBreakDown IT1001-21 Category INFOTECH Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		90,000	50,000	50,000	50,000	50,000
Carry Forward Amt	37,000					
Total Project Cost	37,000	90,000	50,000	50,000	50,000	50,000

Project Description	Electronic records and document management.
Project Justification	Improve operational efficiency and meet legislative requirements. Funding is requested to complete divisional implementation and migration work.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	28,928	90,000	50,000	50,000	50,000	50,000
Capital Surplus and Reserves	15,786	-	-	-	-	-
Total Funded	44,714	90,000	50,000	50,000	50,000	50,000
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID IT708 Department Information Technology Project Manager Scheepmaker, Steve

ProjectTitle Fibre Optics and Network Strategy

WorkBreakDown IT1001-30 Category INFOTECH Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		600,000	1,120,000		-	-
Carry Forward Amt	1,199,254					
Total Project Cost	1,199,254	600,000	1,120,000		-	-

Project Description

The core intent of the strategy is to connect all Township facilities using a ToL-owned fibre network. As our organization grows and we continue to increase our use of technology, the demand for network bandwidth is also growing rapidly. The most cost effective means to deliver the connectivity that will be needed in the future is over a ToL-owned fibre network that can scale accordingly as our operational needs evolve.

Project Justification

Design and build a Township-owned Fibre Optic network and/or leverage opportunities that may arise to include fibre optic infrastructure as part of Engineering capital or local improvement projects.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Prior Year's Surplus	-	-	-	-	-	-
Capital Surplus and Reserves	1,199,254	-	-	-	-	-
Total Funded	1,199,254	-	-	-	-	-
Unfunded		600,000	1,120,000	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID IT730 Department Information Technology Project Manager Scheepmaker, Steve

ProjectTitle Corporate Data Warehouse/Business Intelligence

WorkBreakDown NEW Category ITPROJECT Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		80,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	80,000	-	-	-	-

Project Description	Perform needs assessment/requirements analysis for an enterprise data warehouse and business intelligence tools. Once requirements are established, collected information will be used to establish the required tender documents so that an appropriate solution can be sourced.
Project Justification	We currently have some business intelligence capabilities but they reside in independent business systems. Aggregating and analyzing data across disparate systems while currently possible, is challenging and not sustainable. Establishing a standard toolset across the organization will make data more accessible and allow staff to make better-informed and efficient business decisions.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		80,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID IT733 Department Information Technology Project Manager Scheepmaker, Steve

ProjectTitle Business Continuity Plan

WorkBreakDown NEW Category INFOTECH Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		120,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	120,000	-	-	-	-

Project Description	Update Business Continuity Plan (BCP) to ensure the organization has the processes and procedures in place to ensure identified priority services are protected and can remain intact in the event of an unplanned incident that impacts the Township's business operations. The scope of this work should also include an updated inventory of critical business functions at the business unit level including confirmation of Recovery Time Objectives (RTO) and Recovery Point Objectives (RPO).
Project Justification	It is very important to ensure that the Township has an updated and formally documented BCP processes. Existing processes and procedures need to be formally reviewed to ensure they meet the needs to the organziation. The funding request is a budget envelope to tender and engage a 3rd party that specializes in the development of BCP's.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		120,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID IT734 Department Information Technology Project Manager Scheepmaker, Steve

ProjectTitle SmartCities: Mobile Application

WorkBreakDown Category ITPROJECT Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		60,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	60,000	-	-	-	-

Project Description	With more and more of our residents and businesses turning to mobile technologies as a means to engage the Township for information and services, the need for a robust mobile application is becoming more important. The scope of this project is to gather functional and technical requirements in order to develop a design and the detailed budget to complete the development.
Project Justification	Residents and businesses can continue to use the website which leverages responsive design for mobile usage but does not allow for native mobile functionality such as push notifications.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		60,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID IT712 Department Information Technology Project Manager Makela, Jim

ProjectTitle Langley Events Centre Technology

WorkBreakDown IT1001-18 Category INFOTECH Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		10,000	20,000	20,000	20,000	20,000
Carry Forward Amt	-					
Total Project Cost	-	10,000	20,000	20,000	20,000	20,000

Project Description

Core technology infrastructure enhancements and replacements. Upgrade or replace aging network (voice and data) infrastructure to ensure the secure and reliable delivery of core technology services. This budget also includes applicable security infrastructure.

Project Justification

Ensure network and telephone system infrastructure meets the operational needs of the organization.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	-	-	20,000	20,000	20,000	20,000
Capital Surplus and Reserves	-	-	-	-	-	-
Total Funded	-	-	20,000	20,000	20,000	20,000
Unfunded		10,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID IT731 Department Information Technology Project Manager Scheepmaker, Steve

ProjectTitle SmartCities: Wi-Fi

WorkBreakDown NEW Category ITPROJECT Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		60,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	60,000	-	-	-	-

Project Description

Perform feasbility analysis and recommendations to establish Wi-Fi in public spaces. The Township's Smart Cities challenge application identified Fort Langley as a pilot location but an overall feasibility analysis should be completed to determine the optimal deployment and management methodology to deploy Wi-Fi in other community/business areas. The scope of this work may also include preliminary Radio Frequency (RF) analysis because localized conditions may also impact the methodology used and/or infrastructure needed. Also in scope is further refinement of the Township's existing public Wi-fi solution that is currently deployed inside civic buildings.

Project Justification

Providing Wi-Fi in public areas can have positive socio-economic impacts and from a SmartCities perspective, can provide important infrastructure that could be used for other SmartCities initiatives in the future.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		60,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID IT732 Department Information Technology Project Manager Makela, Jim

ProjectTitle Office Renovations: Civic Facility 3rd Floor IT Area

WorkBreakDown NEW Category FACINTR Project Priority Ranking **Medium**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		125,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	125,000	-	-	-	-

Project Description

To support the growth of the IT Department, renovations are necessary to accommodate additional workstations and improve the clustering of work functions. The scope of the work includes removal of internal walls, reconfiguring existing workstation layouts to better group teams together, and converting reception and a meeting room into staff workstation space. All elements of the space will be addressed, including electrical, lighting, sprinkler, and HVAC modifications. New furniture is included for additional work stations and existing components will be re-used where possible. The project is expected to take 10-12 weeks. A temporary space may be required for some of the staff during construction.

Project Justification

Not proceeding with these improvements will result in additional IT staff being located in meeting room space anmd other available space outside of the IT area, and teams within IT being separated from one another, resulting in reduced operational efficiency.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		125,000	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

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Funding Status	Department Name	Ranking	ProjectTitle	ProjectID	Total	Capital Surplus and Reserves	Development Cost	Operating Revenue	Others	Prior Year's Surplus
Inside	Corporate Admin & Fiscal	High	Administration Corporate Miscellaneous	CORP968	55,000			55,000		
Inside	Corporate Admin & Fiscal	High	General Capital Contingency	CORP969	150,000					150,000
Inside	Corporate Admin & Fiscal	High	Tenant Improvements	CORP972	190,000					190,000
Inside	Corporate Admin & Fiscal	High	Museum Heritage Centre and Development	CORP974	28,000,000	20,000,000			8,000,000	
Inside	Corporate Admin & Fiscal	High	U-District Housing	CORP975	500,000	500,000				
Inside	Corporate Admin & Fiscal	Pre. App.	Land Purchase (Under Contract)	CORP973	3,838,375	3,079,188	759,187			
Inside Total	Corporate Admin & Fiscal				**32,733,375**	**23,579,188**	**759,187**	**55,000**	**8,000,000**	**340,000**
Placeholder	Corporate Admin & Fiscal	NA	General Land Capital Provision	CORP970	20,000,000	20,000,000				
Placeholder	Corporate Admin & Fiscal	NA	Unidentified Externally Funded Projects	CORP965	1,000,000				1,000,000	
Placeholder Total	Corporate Admin & Fiscal				**21,000,000**	**20,000,000**	-	-	**1,000,000**	-
	Corporate Admin & Fiscal Total				**53,733,375**	**43,579,188**	**759,187**	**55,000**	**9,000,000**	**340,000**

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Township of Langley
Capital Project Description

ProjectID CORP968 Department Corporate Admin & Fiscal Project Manager Winslade, Jason

ProjectTitle Administration Corporate Miscellaneous

WorkBreakDown MA1001-01 Category ADMIN Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		55,000	55,000	55,000	55,000	55,000
Carry Forward Amt	-					
Total Project Cost	-	55,000	55,000	55,000	55,000	55,000

Project Description	Provision for unanticipated general capital expenditures for Council and Administration.
Project Justification	To provide funds for miscellaneous capital projects that may arise throughout the year.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Operating Revenue	-	55,000	55,000	55,000	55,000	55,000
Capital Surplus and Reserves	-	-	-	-	-	-
Total Funded	-	55,000	55,000	55,000	55,000	55,000
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID CORP969 Department Corporate Admin & Fiscal Project Manager Sinclair, Karen

ProjectTitle General Capital Contingency

WorkBreakDown MA1002-03 Category FISCAL Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		150,000	150,000	150,000	150,000	150,000
Carry Forward Amt	-					
Total Project Cost	-	150,000	150,000	150,000	150,000	150,000

Project Description	Capital contingency provided on a corporate-wide basis for funding unavoidable cost increases on capital projects in progress.
Project Justification	Carrying a contingency amount for capital projects is normal business practice.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Prior Year's Surplus	-	150,000	150,000	150,000	150,000	150,000
Capital Surplus and Reserves	-	-	-	-	-	-
Total Funded	-	150,000	150,000	150,000	150,000	150,000
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID CORP972 Department Corporate Admin & Fiscal Project Manager Scheepmaker, Steve

ProjectTitle Tenant Improvements

WorkBreakDown NEW Category FACILITIES Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		190,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	190,000	-	-	-	-

Project Description	Various tenant improvements needed to facilitate the relocation of staff between different buildings. Impacted departments included in this funding request include Airport, Economic Development, Filming, Corporate Communications, and Corporate Events, and IT.
Project Justification	As the organization grows and adapts, the relocation of staff to different locations to support business functions is necessary.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Prior Year's Surplus	-	190,000	-	-	-	-
Total Funded	-	190,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID CORP974 Department Corporate Admin & Fiscal Project Manager Tulumello, Peter

ProjectTitle Museum Heritage Centre and Development

WorkBreakDown NEW Category BUILDINGS Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		28,000,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	28,000,000	-	-	-	-

Project Description	Construction of Museums Heritage Centre and Development to be funded from Land Reserve.
Project Justification	Per Report 18-42 Special Closed

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Others	-	8,000,000	-	-	-	-
Capital Surplus and Reserves	-	20,000,000	-	-	-	-
Total Funded	-	28,000,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID CORP975 Department Corporate Admin & Fiscal Project Manager Scheepmaker, Steve

ProjectTitle U-District Housing

WorkBreakDown NEW Category CORPSERV Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		500,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	500,000	-	-	-	-

Project Description U-District Housing

Project Justification

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	500,000	-	-	-	-
Total Funded	-	500,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID CORP973 Department Corporate Admin & Fiscal Project Manager Scheepmaker, Steve

ProjectTitle Land Purchase (Under Contract)

WorkBreakDown PROP0001-68 Category PROPERTY Project Priority Ranking **Pre. App.**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		3,838,375	1,518,375	3,036,750	-	-
Carry Forward Amt	-					
Total Project Cost	-	3,838,375	1,518,375	3,036,750	-	-

Project Description	Budget for Property Purchase currently under contract to complete in 2021
Project Justification	Purchase already under contract approved by council

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	3,079,188	759,188	1,518,375	-	-
Development Cost Charges(DCCs)	-	759,187	759,187	1,518,375	-	-
Total Funded	-	3,838,375	1,518,375	3,036,750	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID CORP970 Department Corporate Admin & Fiscal Project Manager Scheepmaker, Steve

ProjectTitle General Land Capital Provision

WorkBreakDown PROP0001-01 Category PROPERTY Project Priority Ranking NA

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		20,000,000	20,000,000	20,000,000	20,000,000	20,000,000
Carry Forward Amt	-					
Total Project Cost	-	20,000,000	20,000,000	20,000,000	20,000,000	20,000,000

Project Description

The Land Reserve Corporate Funding Envelope is used to fund large capital projects not foreseen at budget time. The funding source is the municipal land and other reserves. Any projects using this funding source are typically approved by council.

Project Justification

This funding envelope provides budget authority to allow council to take advantage of strategic opportunities that may arise during the year.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Capital Surplus and Reserves	-	20,000,000	20,000,000	20,000,000	20,000,000	20,000,000
Total Funded	-	20,000,000	20,000,000	20,000,000	20,000,000	20,000,000
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID CORP965 Department Corporate Admin & Fiscal Project Manager Sinclair, Karen

ProjectTitle Unidentified Externally Funded Projects

WorkBreakDown MA1002-04 Category FISCAL Project Priority Ranking NA

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Carry Forward Amt	-					
Total Project Cost	-	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000

Project Description

A provision to provide budget authority for projects that come up during the year (that were not foreseen during budget deliberations) and have an external funding source identified (i.e. Grants, Donations, Non Refundable Deposits, etc.). If the Township receives external funding and the project is identified, a budget reallocation is done to move budget authority (revenue and expense) from the $1M funding envelope to the specific capital project.

Project Justification

This provision has no impact on the property tax rate and allows new projects to be added mid-year with an external funding source attached. Without such a provision, the Township would not have legal authority to make the expenditure.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Others	-	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Total Funded	-	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Funding Status	Department Name	Ranking	ProjectTitle	ProjectID	Total	Others	Prior Year's Surplus	Unfunded
Inside	Community Development	High	Mailing Equipment	CD966	20,000		20,000	-
Inside Total	Community Development				**20,000**	**-**	**20,000**	**-**
Placeholder	Community Development	NA	Development Coordinated Works (NRDs)	CD963	1,000,000	1,000,000		-
Placeholder	Community Development	NA	Assets Contributed from Developers	CD964	35,000,000	35,000,000		-
Placeholder Total	Community Development				**36,000,000**	**36,000,000**	**-**	**-**
Outside	Community Development	High	New Vehicle for Bylaw Officer	CD965	35,000			35,000
Outside Total	Community Development				**35,000**	**-**	**-**	**35,000**
	Community Development Total				**36,055,000**	**36,000,000**	**20,000**	**35,000**

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Township of Langley
Capital Project Description

ProjectID CD966 Department Community Development Project Manager Weller, Beverly

ProjectTitle Mailing Equipment

WorkBreakDown Category ITEQUIP Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		20,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	20,000	-	-	-	-

Project Description

Replacement Mailing Machine for Permits & Licencing Department. Used for weekly/monthly Business Licence mailouts and monthly Bylaw reminder mailouts. Existing equipment is no longer serviceable as it is obselete.

Project Justification

With the current machine no longer being supported and the current equipment has been having technical difficulties - to date staff has been able to find a corrective solution to the technical issues however this does cause a delay in the process and has a burden on staff time. If the machine breaks down no repair service is available. The Permits and Licencing Department and Bylaw Department will not be able to complete the weekly/monthly mail outs for Business Licences and Outstanding Ticket Reminder notices. On average between Bylaws & Business Licencing we process approximately 1500 envelopes/month. The mailing machine is an essential part of the daily operating needs for both Permits & Licencing & Bylaws.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Prior Year's Surplus	-	20,000	-	-	-	-
Total Funded	-	20,000	-	-	-	-
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	1200	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID CD963 Department Community Development Project Manager Anderson, David

ProjectTitle Development Coordinated Works (NRDs)

WorkBreakDown NRDCD1000-01 Category DEVWORK Project Priority Ranking NA

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Carry Forward Amt	-					
Total Project Cost	-	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000

Project Description

To provide for the use of non refunable deposits paid by developers to complete agreed upon works and services. It is cash-in-lieu of the developer doing the work and it serves to better coordinate the work with other like projects that may be taking place in the area (to avoid tearing a road up twice for example).

Project Justification

Non-refundable deposits are cash taken in lieu of a developer completing the works. Township staff use the funds to complete capital works or pay a contractor to complete the works. This provision will provide budget authority to make sure that expenditures are legally authorized in the budget bylaw.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Others	-	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Total Funded	-	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID CD964 Department Community Development Project Manager Anderson, David

ProjectTitle Assets Contributed from Developers

WorkBreakDown ACDW1000-01 Category DEVWORK Project Priority Ranking NA

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		35,000,000	35,000,000	35,000,000	35,000,000	35,000,000
Carry Forward Amt	-					
Total Project Cost	-	35,000,000	35,000,000	35,000,000	35,000,000	35,000,000

Project Description

Developers contribute to the community by constructing infrastructure in conjunction with their developments. This is one of the ways that development pays for itself and does not rely on the general taxpayer to fund major assets related to growth. The majority of contributed asset value comes from 'Land Under Roads' followed by Parkland.

Project Justification

It is impossible to estimate in advance the value of the assets that will be turned over to the Township by developers. For this reason, the Township provides a budget envelope of $10M which is an estimate based on the value of previous year actual contributed assets. The value can vary significantly from year to year. Recent history includes 2011: $12.6M, 2012: $20.0M, 2013: $10.4M and 2014: $31.4M.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Others	-	35,000,000	35,000,000	35,000,000	35,000,000	35,000,000
Total Funded	-	35,000,000	35,000,000	35,000,000	35,000,000	35,000,000
Unfunded		-	-	-	-	-
*Estimated Annual Operating Impact		0	0	0	0	0

Operating Impact Detail

Township of Langley
Capital Project Description

ProjectID CD965 Department Community Development Project Manager Weller, Beverly

ProjectTitle New Vehicle for Bylaw Officer

WorkBreakDown | Category FLTTRKC | Project Priority Ranking **High**

	2018 CFWD	2019	2020	2021	2022	2023
New Request Amt		35,000	-	-	-	-
Carry Forward Amt	-					
Total Project Cost	-	35,000	-	-	-	-

Project Description	This is a one time request for one pick up truck outfitted for a Bylaw Officer position that was approved through a report to Council #18-28.
Project Justification	This vehicle is essential for the Bylaw Officer to be available in the community. The Bylaw Officer will be available in the community to address the increasing number of complaints, parking infractions, homeless camps and other various bylaw issues.

Proposed Funding Source	2018 CFWD	2019	2020	2021	2022	2023
Unfunded		35,000	-	-	-	-
*Estimated Annual Operating Impact		0	700	700	700	700

Operating Impact Detail: Monthly internal vehicle rental