



City of Richmond

Report to Committee

To: Finance Committee

Date: February 12, 2015

From: Andrew Nazareth
General Manager, Finance and Corporate
Services

File: 03-0970-01/2015-Vol
01

Re: 5 Year Financial Plan (2015-2019) Bylaw No. 9220

Staff Recommendation

That:

1. The 5 Year Financial Plan (2015-2019) be approved as presented by the Director, Finance.
2. The 5 Year Financial Plan (2015-2019) Bylaw No. 9220 be introduced and given first, second, and third readings.
3. Staff undertake a process of public consultation as required in Section 166 of the Community Charter.

Andrew Nazareth
General Manager, Finance and Corporate Services
(604-276-4095)

Att. 4

REPORT CONCURRENCE		
ROUTED TO: Fire Rescue Parks Services Recreation Engineering Public Works Law Transportation	CONCURRENCE <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	CONCURRENCE OF GENERAL MANAGER
REVIEWED BY STAFF REPORT / AGENDA REVIEW SUBCOMMITTEE	INITIALS: 	APPROVED BY CAO

Staff Report

Origin

In subsection 165(1) of the *Community Charter*, it requires the City to adopt a 5 Year Financial Plan (5YFP) Bylaw on or before May 15th of each year. However, early adoption is encouraged in order for all users to be aware of the bylaws and rates in place. The 5YFP Bylaw provides the City with the authority to proceed with spending to the limits as outlined in the bylaw. The City is required under section 166 of the *Community Charter* to undertake a process of public consultation prior to adoption of the 5YFP.

The 5YFP Bylaw 9220 presented in Attachment 1 consolidates the budget decisions previously made by Council including the Utility, Operating and Capital budgets and One-Time Expenditures funded by previous years' surplus. The key components were approved by Council as follows:

Budget Input	Council Approval Date
2015 Utility Budget	October 27, 2014
2015 One-Time Expenditures	February 10, 2015
2015 Operating Budget	February 10, 2015
2015 Capital Budget	February 10, 2015

To ensure spending authorization is in place, expenditures that are expected to be incurred in 2015 which are funded by non-tax sources are included in the current 5YFP, due to the fact that the previous 5YFP is repealed upon adoption of the new bylaw. Similarly, funding for previously approved Capital projects are carried forward into the proposed bylaw. Including these items in the 5YFP has no impact on the tax rate as the funding has already been previously approved and committed.

Under the City's Long Term Financial Management Strategy (LTFMS), the City is committed to financial planning that maintains existing levels of service to the community and provides for the future infrastructure needs of the community, while limiting the impact on property taxes.

Analysis

Utility Budget

At the Council meeting held on October 27, 2014 the following resolution was adopted:

That the 2015 Utility Budgets, as outlined under Option 1 for Water and Sewer, Option 3 for Drainage and Diking, and Option 1 for Solid Waste and Recycling, as contained in the staff report dated October 7, 2014 from the General Manager of Finance & Corporate Services and General Manager of Engineering & Public Works, be approved as the basis for establishing the 2015 Utility Rates and preparing the 5 Year Financial Plan (2015-2019) Bylaw.

The Utility Budget is approved in October in order to establish rates in time for billing in the first quarter of 2015. Due to the timing of the Utility Budget approval, the outcome of the Capital

Budget process which includes Capital Operating Budget Impact (OBI) was not known. The 2015 OBI for Utility Capital projects is \$126k. This is added to the Utility Budget, funded by provision accounts for 2015 and will be built into the 2016 rates.

As additional information is received, the Utility Budget is revised and any additional costs are either recovered through amended rates or through provision accounts. Subsequent to the Utility Budget, WorkSafe BC rates were increased which resulted in additional costs to the Utility Budget. A total of \$63k is funded by provision to cover these costs.

At the Council meeting held on January 26, 2015 the following resolution was adopted:

That an amendment to the City's Five Year Financial Plan (2015 – 2019) to include:
(a) capital costs of \$700,000 (funded from the City's general solid waste and recycling provision); and
(b) operating costs of \$1,212,500 in 2015 with amounts not recovered via rates in 2015 funded from the City's general solid waste and recycling provision, be approved and
That Solid Waste & Recycling Regulation Bylaw No. 6803, Amendment Bylaw No. 9204, be introduced and given first, second and third reading.

At the Council meeting held on February 10, 2015 the Solid Waste and Recycling Regulation Bylaw No. 6803, Amendment Bylaw No. 9204 was adopted.

The \$700k was included in the 2015 Capital Budget. The \$1.2M is added to the Utility budget, funded by \$905k in additional revenue and \$308k funding from the General Solid Waste and Recycling provision.

Consequently, the total increase to the Utility Budget funded by non-tax sources are \$1.4M. Attachment 2 summarizes the 2015 Utility Budget approved by Council and the subsequent 2015 adjustments by Division that are included in the 5YFP.

The bylaw includes estimates for 2016-2019 based on information currently available to staff and will be revised with the financial plan for each respective year.

One-Time Expenditures

On February 10, 2015, Council approved \$2.1M in One-Time expenditures. These expenditures are added to the Capital and Operating budgets as summarized in Table 1.

Additions to the Capital Budget include The Sharing Farm Barn Construction and WiFi Network Expansion.

Funding of \$750k was approved to be transferred to the Major Events Provision for events to be held in years 2015 through 2017. It is estimated that \$75k will be used for a Plaza Activation event in 2015. The remaining balance of \$675k is for Major Events to be held in 2016 and 2017.

Table 1 – 2015 One-Time Expenditures Summary

One-Time Expenditures	Amount (in \$ 000's)
2015 Operating Budget	\$886
2015 Capital Budget	552
Future Year Operating Budgets (Major Events Provision)	675
2015 One-Time Expenditures	\$2,113

Operating Budget

Table 2 summarizes the Operating Budget approved by Council on February 10, 2015, which includes the addition of Capital OBI, Additional Expenditures to form the new Ongoing Base Budget.

Table 2 – 2015 Operating Budget Expenditure Reconciliation to 5YFP 2015-2019

Operating Budget	Amount (in \$ 000's)
Ongoing Service Level Base	\$277,262
Capital OBI	701
Additional Level Expenditures	243
Revised Ongoing Service Level Base	278,206
One-Time Expenditures - Operating	886
Carryforwards	9,473
Additional Sponsorship and Grants Estimate for Major Events – Note 1	290
Additional Fuel Sales (fully recoverable) – Note 2	250
Adjust Library to the approved Municipal Contribution (For City budgeting purposes only, there is no change to the Library Budget) – Note 3	(832)
Total Operating Budget	288,273
Amortization	42,041
2015 Total Operating Budget Including Amortization	\$330,314

Table 2.1 presents the breakdown of the additional expenditures, as the net amount approved by Council was \$115k on February 10, 2015.

Items added to the budget have no tax impact and are explained as follows:

Note 1: Sponsorship and Grant revenue is anticipated to be received for Major Events, and if received, expenditure authorization is required. If the anticipated sponsorship amounts are not received, the additional expenditures will not be incurred.

Note 2: Fuel Sales to RCMP and School Board are fully recoverable; the additional fuel purchases are included for expenditure authorization.

Note 3: The Richmond Public Library Budget presented the Library's total revenue and expenditures. This reduction adjusts the Library's total expenditures to the approved Municipal Contribution approved by Council on February 10, 2015. There is no impact on the Library's budget, this is for City budgeting purposes only.

Table 2.1 – Additional Level Expenditures

Additional Level Expenditures	Amount (in \$ 000's)
Total Additional Level Expenditures	243
Total Additional Level Revenues	(128)
Net Additional Level Expenditures	115

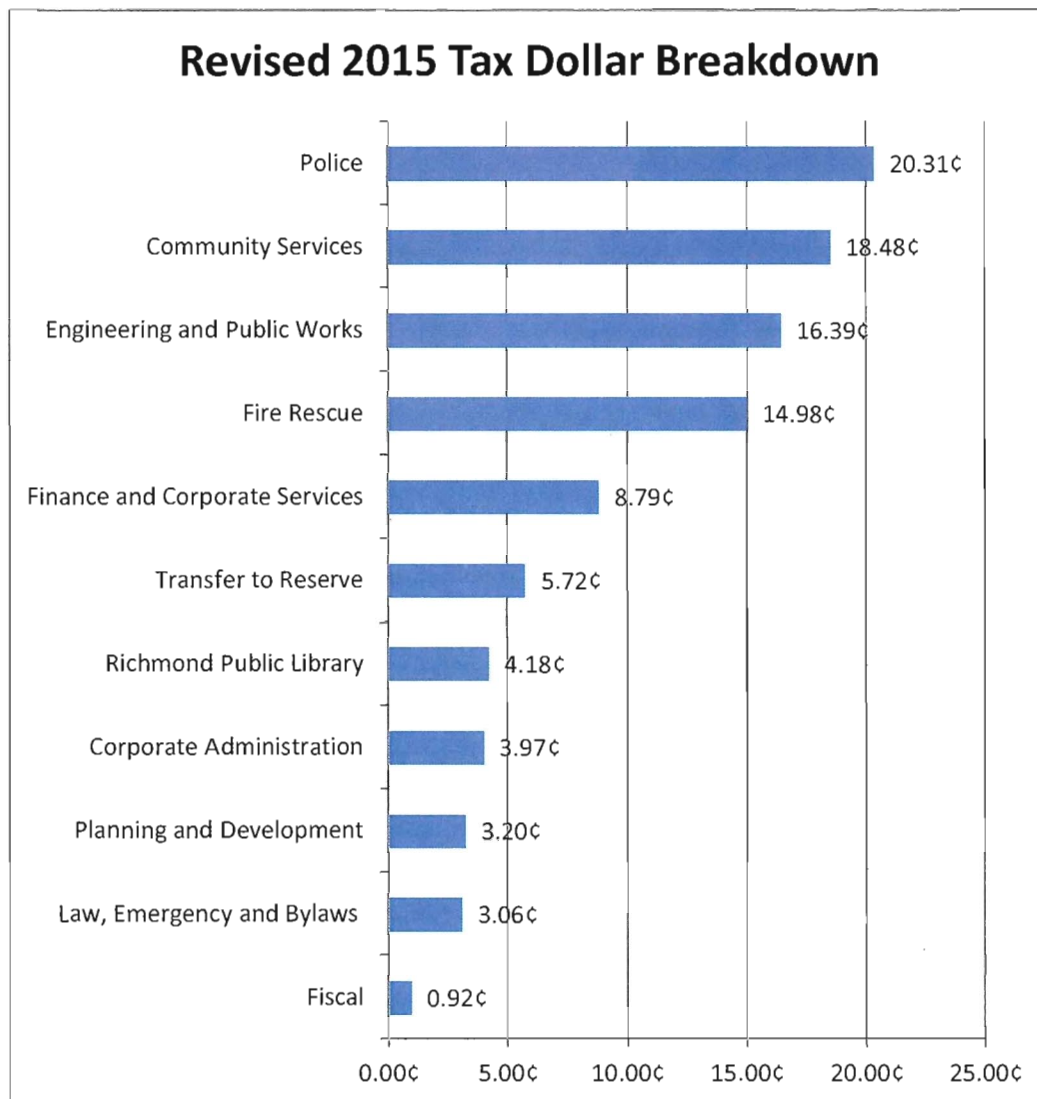
The 2015 Carryforwards estimate is comprised of 2014 operating budget surpluses and previously approved one-time expenditures that are required for programs and projects that were not completed in 2014 and hence carried into 2015.

Amortization is estimated as required by accounting standards. There is no cash expenditure as a result of this item.

Attachment 3 provides the 2015 Operating Budget reconciliation to the 5YFP by Division. Adjustments to the 2015 budget include reallocation of existing budget resources between Divisions with no tax impact. This reallocation includes OBI for Major Facilities which is being phased in over seven years, which started with the 2014 budget. Funding that was brought into the 2014 budget is reallocated to the Community Services budget in 2015.

Revised 2015 Breakdown of a Municipal Tax Dollar

In the 2015 Operating Budget Report approved by Council on February 10, 2015, the proposed breakdown of a Municipal Tax dollar was included. This chart is revised to reflect that the proposed Transfer to Reserves increase was not approved, but instead replaced with a one-time transfer of funding from the Gaming Provision.



In accordance with Council Policy 3016, the 5YFP is based on maintaining existing levels of service, with no additional services or programs included, unless specifically approved by Council. Therefore, the 2015 approved budgets form the base and the 2016-2019 amounts are estimates based on information available to staff at the time the bylaw is prepared.

Capital Budget

Council approved a 2015 Capital Budget of \$92.5M. A further \$552k from 2015 One-Time Expenditures was approved for The Sharing Farm Barn Construction and WiFi Network Expansion. In addition, the Sharing Farm Barn Construction has a community contribution of \$30k, for a total project budget of \$324k. The total approved Capital Budget is therefore \$93.0M as shown in Table 3.

Table 3 – Total 2015 Capital Budget

2015 Capital Budget	Amount (in \$ 000's)
Capital Budget	\$92,458
One-Time Expenditures - Capital	552
The Sharing Farm Barn - Community Contribution	30
Total 2015 Capital Budget	\$93,040

Bylaw total is \$94,041 due to rounding.

The Capital Budget as presented in the 5YFP includes a carryforward amount for previously approved projects that are still in progress. There is no tax impact of including this amount, which was previously approved by Council.

The Capital Budget also includes an estimate for the value of developer contributed assets that the City will take ownership of as a result of rezoning approvals. This includes land under new road dedications and infrastructure contributed by developers. There is no cost to the City for building this infrastructure; however it becomes part of the City's inventory of assets to maintain, and therefore it may result in an additional operating budget impact.

The 2016-2019 Capital program is based on projects currently planned and based on funding availability; however it does not include major new facilities nor the estimated \$1M annual gap in facility capital maintenance identified in the staff report titled Ageing Facility Infrastructure – Update presented to Council on March 24, 2014. These issues will be addressed in future reports. Each year the Capital program is reviewed in detail and therefore approval of projects as part of the 2015-2019 financial plan does not provide final approval for 2016-2019 projects. In addition, timing of planned projects may change. Attachment 4 includes the final 2015-2019 Capital plan and highlights of the 2016-2019 planned projects.

Public Consultation

Section 166 of the *Community Charter* requires a process of public consultation prior to adoption of the 5YFP. In order to comply with this requirement, staff are working on a number of communication initiatives, which include:

- preparing a news release on the City website scheduled for Tuesday, March 10, 2015 with a link to the 5YFP.
- engaging a public forum on Let's Talk Richmond scheduled to launch on Tuesday, March 10, 2015 with summary documents of the 5YFP and links to the full reports (Utility Budget, Capital Budget, Operating Budget, One-Time Expenditure reports).
- featuring highlights of the 5YFP and inviting comments in a newspaper wrap to be published with the Richmond Review on Wednesday, March 11, 2015.
- utilizing social media to raise awareness of the public consultation period through Facebook and Twitter accounts.
- having copies of the 5YFP, Utility Budget, Capital Budget, Operating Budget and One-Time Expenditure reports available for pick-up by the public.
- issuing an advertisement in the Richmond Review on Friday March 20, 2015 as reminder of the ongoing public consultation.

Financial Impact

Table 4 summarizes the Council approved 2015 tax increase of 1.89%. The proposed estimated tax increase for 2016 through 2019 is expected to be consistent with 2014 and includes a 1% levy for capital infrastructure replacement, as directed by Council in accordance with the Long Term Financial Management Strategy.

Table 4 –5YFP 2015-2019 Summary

Year	Tax Increase	Transfer to Reserves	Total Increase
2015 Approved Increase	1.89%	0.00%	1.89%
2016 Proposed Increase	1.98%	1.00%	2.98%
2017 Proposed Increase	1.98%	1.00%	2.98%
2018 Proposed Increase	1.99%	1.00%	2.99%
2019 Proposed Increase	1.96%	1.00%	2.96%

Conclusion

The 5YFP 2015-2019 has been prepared based on the 2015 budgets approved by Council and the proposed increases for 2016-2019 are prepared as directed by Council through the Long Term Financial Management Strategy. Staff recommend approving the financial plan and undertaking the public consultation process based on the proposed five year financial plan.



Jerry Chong, CA
Director, Finance
(604-276-4064)

JC:ms

- Att. 1: 5 Year Financial Plan (2015-2019) Bylaw 9220
 2: Reconciliation of 2015 Utility Budget Report to 5YFP 2015-2019
 3: Reconciliation of 2015 Operating Budget Report to 5YFP 2015-2019
 4: 2015-2019 Capital Plan



5 Year Financial Plan (2015-2019) Bylaw No. 9220

The Council of the City of Richmond enacts as follows:

1. Schedule "A", Schedule "B" and Schedule "C" which are attached and form part of this bylaw, are adopted as the 5 Year Financial Plan (2015-2019).
2. 5 Year Financial Plan (2014-2018) Bylaw 9100 and all associated amendments are repealed.
3. This Bylaw is cited as "**5 Year Financial Plan (2015-2019) Bylaw No. 9220**".

FIRST READING



SECOND READING

THIRD READING

ADOPTED

MAYOR

CORPORATE OFFICER

CITY OF RICHMOND
APPROVED for content by originating dept.

APPROVED for legality by Solicitor


SCHEDULE A:

CITY OF RICHMOND

5 YEAR FINANCIAL PLAN (2015-2019)

FUNDING SOURCES/TRANSFERS

(In \$000's)

	2015	2016	2017	2018	2019
Operating and Utility Funding Sources					
Property Taxes	\$189,796	\$197,851	\$206,047	\$214,411	\$222,867
Utilities	100,642	103,814	107,852	111,491	115,308
Fees and Charges	32,582	32,982	33,160	33,643	34,122
Gaming Revenue	18,030	18,030	18,030	18,030	18,030
Investment Income	16,228	16,233	16,238	16,248	16,257
Payments in Lieu of Taxes	13,473	13,473	13,473	13,473	13,473
Grants	4,468	4,187	4,206	4,235	4,265
Penalties and Interest on Taxes	1,015	1,015	1,015	1,015	1,015
Total Operating and Utility Funding Sources	\$376,234	\$387,585	\$400,021	\$412,546	\$425,337
Capital Funding Sources					
Transfer from DCC Reserve	\$23,828	\$12,931	\$18,300	\$14,230	\$10,264
Transfer from Other Funds and Reserves	67,058	57,518	49,370	47,361	56,551
External Contributions	2,155	775	375	375	375
Carryforward Prior Years	259,175	222,637	181,352	131,575	116,122
Developer Contributed Assets	55,000	55,000	55,000	55,000	55,000
Total Capital Funding Sources	\$407,216	\$348,861	\$304,397	\$248,541	\$238,312
Total Operating, Utility and Capital Funding Sources	\$783,450	\$736,446	\$704,418	\$661,087	\$663,649
Transfers					
Transfer from Capital Equity	\$49,416	\$48,463	\$52,349	\$56,928	\$57,052
Transfer from Surplus	12,681	2,133	1,966	1,896	1,901
Total Transfers	\$62,097	\$50,596	\$54,315	\$58,824	\$58,953
TOTAL FUNDING SOURCES AND TRANSFERS	\$845,547	\$787,042	\$758,733	\$719,911	\$722,602

SCHEDULE A (CONT'D):

CITY OF RICHMOND
5 YEAR FINANCIAL PLAN (2015-2019)
EXPENDITURES/TRANSFERS
(In \$000's)

	2015	2016	2017	2018	2019
Expenditures/Transfers					
Utility Budget					
Utilities	\$78,375	\$81,490	\$85,410	\$88,863	\$92,488
Transfer to Drainage Improvement Replacement Reserve	10,411	10,468	10,584	10,771	10,962
Transfer to Watermain Replacement Reserve	7,500	7,500	7,500	7,500	7,500
Transfer to Sanitary Sewer Reserve	4,256	4,256	4,256	4,256	4,256
Transfer to Equipment Replacement Reserve	100	100	100	100	100
Amortization	7,375	7,375	7,375	7,375	7,375
Total Utility Budget	\$108,017	\$111,189	\$115,225	\$118,865	\$122,681
Operating Budget					
Law and Community Safety	\$87,518	\$89,173	\$91,177	\$93,518	\$95,802
Transfer to Equipment Replacement Reserve	983	983	983	983	983
Amortization	2,620	2,620	2,620	2,620	2,620
Community Services	49,573	48,642	50,338	51,325	52,310
Richmond Public Library	8,768	8,632	8,727	8,876	9,027
Transfer to Capital Building & Infrastructure Reserve	252	252	252	252	252
Amortization	5,056	4,104	7,990	12,569	12,693
Engineering and Public Works	39,339	37,836	38,532	39,491	40,419
Transfer to Equipment Replacement Reserve	1,675	1,675	1,675	1,675	1,675
Amortization	22,932	22,932	22,932	22,932	22,932
Finance and Corporate Services	23,829	22,598	22,845	23,242	23,645
Amortization	1,295	1,295	1,295	1,295	1,295
Planning and Development	12,497	12,485	12,709	12,967	13,249
Amortization	923	923	923	923	923
Corporate Administration	8,381	8,235	8,296	8,427	8,560
Fiscal	11,604	11,478	12,717	14,266	15,961
Municipal Debt Interest	1,678	1,678	1,678	1,678	1,678
Municipal Debt Principal	4,232	4,232	4,232	4,232	4,232
Transfer to Capital Building & Infrastructure Reserve	13,704	13,764	15,735	17,779	19,898
Transfer to Capital Reserve	12,990	12,990	12,990	12,990	12,990
Transfer Investment Income to Statutory Reserves	11,250	11,250	11,250	11,250	11,250
Amortization	9,215	9,215	9,215	9,215	9,215
Total Operating Budget	\$330,314	\$326,992	\$339,111	\$352,505	\$361,609
Capital Plan					
Current Year Capital Expenditures	\$93,041	\$71,224	\$68,045	\$61,966	\$67,190
Carryforward Prior Years	259,175	222,637	181,352	131,575	116,122
Developer Contributed Assets	55,000	55,000	55,000	55,000	55,000
Total Capital Plan	\$407,216	\$348,861	\$304,397	\$248,541	\$238,312
TOTAL EXPENDITURES/TRANSFERS	\$845,547	\$787,042	\$758,733	\$719,911	\$722,602
Proposed Property Tax Increase	1.89%	2.98%	2.98%	2.99%	2.96%

SCHEDULE B:

**CITY OF RICHMOND
5 YEAR FINANCIAL PLAN
CAPITAL FUNDING SOURCES (2015-2019)
(In \$000's)**

	2015	2016	2017	2018	2019
DCC Reserves					
Drainage	\$644	\$-	\$644	\$3,411	\$97
Parks Acquisition	9,527	3,762	3,762	3,762	3,762
Parks Development	5,250	2,680	2,649	1,364	1,787
Roads	4,855	4,969	10,045	3,634	3,633
Sanitary Sewer	2,648	724	613	1,354	-
Water	904	796	587	705	985
Total DCC Reserves	\$23,828	\$12,931	\$18,300	\$14,230	\$10,264
Statutory Reserves					
Affordable Housing Reserve Fund	\$1,159	\$750	\$750	\$605	-
Capital Building and Infrastructure Reserve Fund	-	600	-	-	1,800
Capital Reserve Fund	11,370	10,692	10,734	13,066	12,574
Child Care Development Reserve Fund	10	50	50	50	50
Drainage Improvement Reserve Fund	10,664	9,895	10,162	6,764	10,458
Equipment Replacement Reserve Fund	2,850	3,336	2,682	2,852	3,140
Neighbourhood Improvement Reserve Fund	240	-	-	-	-
Public Art Program Reserve Fund	408	100	100	100	100
Sanitary Sewer Reserve Fund	6,082	4,996	4,657	3,936	3,890
Waterfront Improvement Reserve Fund	500	250	-	250	-
Watermain Replacement Reserve Fund	7,829	11,427	9,048	8,363	9,025
Total Statutory Reserves	\$41,112	\$42,096	\$38,183	\$35,986	\$41,037
Other Sources					
Appropriated Surplus	\$23,751	\$13,652	\$9,417	\$9,505	\$14,964
Enterprise	875	450	450	550	550
Water Metering Provision	1,320	1,320	1,320	1,320	-
Grant, Developer and Community Contributions	2,155	775	375	375	375
Total Other Sources	\$28,101	\$16,197	\$11,562	\$11,750	\$15,889
TOTAL CAPITAL FUNDING	\$93,041	\$71,224	\$68,045	\$61,966	\$67,190

SCHEDULE C:

**CITY OF RICHMOND
5 YEAR FINANCIAL PLAN (2015-2019)
STATEMENT OF POLICIES AND OBJECTIVES**

Revenue Proportions By Funding Source

Property taxes are the largest portion of revenue for any municipality. Taxes provide a stable and consistent source of revenue for many services that are difficult or undesirable to fund on a user-pay basis. These include services such as community safety, general government, libraries and park maintenance.

Objective:

- Maintain revenue proportion from property taxes at current level or lower

Policies:

- Tax increases will be at CPI + 1% for transfers to reserves
- Annually, review and increase user fee levels by consumer price index (CPI).
- Any increase in alternative revenues and economic development beyond all financial strategy targets can be utilized for increased levels of service or to reduce the tax rate.

Table 1 shows the proportion of total revenue proposed to be raised from each funding source in 2015.

Table 1:

Funding Source	% of Total Revenue
Property Taxes	50.4%
Utilities	26.7%
Fees and Charges	8.7%
Gaming Revenue	4.8%
Investment Income	4.3%
Payments in Lieu of Taxes	3.6%
Grants	1.2%
Penalties and Interest on Taxes	0.3%
Total Operating and Utility Funding Sources	100.0%

SCHEDULE C (CONT'D):

**CITY OF RICHMOND
5 YEAR FINANCIAL PLAN (2015-2019)
STATEMENT OF POLICIES AND OBJECTIVES**

Distribution of Property Taxes

Table 2 provides the estimated 2015 distribution of property tax revenue among the property classes.

Objective:

- Maintain the City's business to residential tax ratio in the middle in comparison to other municipalities. This will ensure that the City will remain competitive with other municipalities in attracting and retaining businesses.

Policies:

- Regularly review and compare the City's tax ratio between residential property owners and business property owners relative to other municipalities in Metro Vancouver.
- Continue economic development initiatives to attract businesses to the City of Richmond.

Table 2: (Estimated based on the 2015 Completed Roll figures)

Property Class	% of Tax Burden
Residential (1)	54.6%
Business (6)	35.5%
Light Industry (5)	8.2%
Others (2,4,8 & 9)	1.7%
Total	100.0%

Permissive Tax Exemptions**Objective:**

- Council passes the annual permissive exemption bylaw to exempt certain properties from property tax in accordance with guidelines set out by Council Policy and the Community Charter. There is no legal obligation to grant exemptions.
- Permissive exemptions are evaluated with consideration to minimizing the tax burden to be shifted to the general taxpayer.

Policy:

- Exemptions are reviewed on an annual basis and are granted to those organizations meeting the requirements as set out under Council Policy 3561 and Sections 220 and 224 of the *Community Charter*.

Reconciliation of 2015 Utility Budget Report to 5YFP 2015-2019

Division (in '000s)	2015 Base Budget (as presented in the 2015 Utility Budget Report)	No Tax Impact Adjustments	Total 2015 Utility Budget	Amortization	Bylaw Total
<u>Utility Budget</u>					
Water Utility					
Revenue/Transfers	\$44,654	\$122	\$44,776	\$4,015	\$48,791
Expenses	44,654	122	44,776	4,015	48,791
	-	-	-	-	-
Sanitary Sewer Utility					
Revenue/Transfers	30,262	59	30,321	3,360	33,681
Expenses	30,262	59	30,321	3,360	33,681
	-	-	-	-	-
Sanitation and Recycling					
Revenue/Transfers	13,913	1,221	15,134	-	15,134
Expenses	13,913	1,221	15,134	-	15,134
	-	-	-	-	-
Storm Drainage					
Revenue/Transfers	10,411	-	10,411	-	10,411
Expenses	10,411	-	10,411	-	10,411
	-	-	-	-	-
<u>Total Utility Budget</u>					
Revenue/Transfers	99,240	1,402	100,642	7,375	108,017
Expenses	99,240	1,402	100,642	7,375	108,017
	-	-	-	-	-

Reconciliation of 2015 Operating Budget Report to 5YFP 2015-2019

Division (in '000s)	2015 Base Budget (as presented in 2015 Operating Budget Report)	Council Approved Increases	No Tax Impact Adjustments	Total 2015 Operating Budget	Amortization	Bylaw Total
<u>Law and Community Safety</u>						
Revenue/Transfers	\$9,166	90	913	\$10,169	\$2,620	\$12,789
Expenses	87,255	214	1,032	88,501	2,620	91,121
	(78,089)	(124)	(119)	(78,332)	-	(78,332)
<u>Community Services</u>						
Revenue/Transfers	8,926	38	3,111	12,075	5,056	17,131
Expenses	45,670	444	3,711	49,825	5,056	54,881
	(36,744)	(406)	(600)	(37,750)	-	(37,750)
<u>Library</u>						
Revenue/Transfers	832	-	(605)	227	-	227
Expenses	9,373	-	(605)	8,768	-	8,768
	(8,541)	-	-	(8,541)	-	(8,541)
<u>Engineering and Public Works</u>						
Revenue/Transfers	5,192	-	2,332	7,524	22,932	30,456
Expenses	38,521	161	2,332	41,014	22,932	63,946
	(33,329)	(161)	-	(33,490)	-	(33,490)
<u>Finance and Corporate Services</u>						
Revenue/Transfers	4,320	-	1,549	5,869	1,295	7,164
Expenses	22,182	98	1,549	23,829	1,295	25,124
	(17,862)	(98)	-	(17,960)	-	(17,960)
<u>Corporate Administration</u>						
Revenue/Transfers	-	-	246	246	-	246
Expenses	8,110	-	271	8,381	-	8,381
	(8,110)	-	(25)	(8,135)	-	(8,135)
<u>Planning and Development Services</u>						
Revenue/Transfers	5,755	-	200	5,955	923	6,878
Expenses	12,270	27	200	12,497	923	13,420
	(6,515)	(27)	-	(6,542)	-	(6,542)
<u>Fiscal</u>						
Revenue/Transfers	215,046	5,974	483	221,503	9,215	230,718
Expenses	19,326	-	(261)	19,065	9,215	28,280
	195,720	5,974	744	202,438	-	202,438
<u>Transfers to Reserve</u>						
Revenue/Transfers	22,867	-	1,838	24,705	-	24,705
Expenses	34,555	-	1,838	36,393	-	36,393
	(11,688)	-	-	(11,688)	-	(11,688)
<u>Total (Excluding Utility Budget)</u>						
Revenue/Transfers	272,104	6,102	10,067	288,273	42,041	330,314
Expenses	277,262	944	10,067	288,273	42,041	330,314
Net Budget Increases	\$5,158	(5,158)	-	-	-	-
Estimated 2015 Growth	(2,500)					
Less: Mandatory Senior Government						
Increases	(2,185)					
Same Level of Service Increase	\$473					

2015-2019 Capital Plan By Program

	2015	2016	2017	2018	2019
Infrastructure Program					
Roads	\$8,185	\$6,975	\$12,122	\$5,316	\$5,316
Drainage	10,623	9,910	10,630	10,200	10,510
Water Main Replacement	8,850	12,010	9,750	9,470	9,100
Sanitary Sewer	7,314	5,350	5,000	5,020	3,620
Minor Public Works	625	800	800	550	550
Infrastructure Advanced Design & Land	1,586	1,183	1,333	1,238	1,238
District Energy Utility	12,400	3,800	-	-	5,500
Total Infrastructure Program	\$49,583	\$40,028	\$39,635	\$31,794	\$35,834
Building Program					
Building Program	3,816	3,500	4,488	6,321	5,803
Total Building Program	\$3,816	\$3,500	\$4,488	\$6,321	\$5,803
Parks Program					
Major Parks/Streetscapes	5,500	4,450	2,553	2,525	4,525
Minor Parks	1,747	700	700	950	950
Parkland Acquisition	4,630	4,000	4,000	4,000	4,000
Public Art	408	100	100	100	100
Total Parks Program	\$12,285	\$9,250	\$7,353	\$7,575	\$9,575
Land Program					
Land Acquisition	10,000	10,000	10,000	10,000	10,000
Total Land Program	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000
Affordable Housing Project					
Affordable Housing Project	1,159	750	750	605	-
Total Affordable Housing Project	\$1,159	\$750	\$750	\$605	-
Equipment Program					
Annual Fleet Replacement	2,851	2,807	1,972	2,041	1,707
Fire Dept Vehicles	997	1,433	1,185	999	1,614
Miscellaneous Equipment	1,000	-	-	-	-
Technology	3,280	1,259	465	434	460
Total Equipment Program	\$8,128	\$5,499	\$3,622	\$3,474	\$3,781
Child Care Program					
Child Care Program	410	50	50	50	50
Total Child Care Program	\$410	\$50	\$50	\$50	\$50
Internal Transfers/Debt Payment					
Internal Transfers/Debt Payment	7,660	2,147	2,147	2,147	2,147
Total Internal Transfers/Debt Payment	\$7,660	\$2,147	\$2,147	\$2,147	\$2,147
Total Capital Program	\$93,041	\$71,224	\$68,045	\$61,966	\$67,190

For details of the 2015 Capital Plan, refer to the 2015 Capital Budget Report approved by Council on February 10, 2015. This attachment includes the 2015 Approved Capital Budget with highlights of the 2016-2019 Capital Plan.

Infrastructure - Roads Program (in \$000's)

Recommended Project Name	Year				
	2015	2016	2017	2018	2019
Roads					
Accessible Pedestrian Signal Program	\$250	\$250	\$250	\$250	\$250
Active Transportation Improvement Program	650	650	650	650	650
Annual Asphalt Re-Paving Program - MRN	914	939	939	939	939
Annual Asphalt Re-Paving Program - Non-MRN	2,459	2,459	2,459	2,459	2,459
Arterial Roadway Improvement Program	300	300	300	150	150
Bridge Rehabilitation - No. 4 Rd / Fraserside Gate Bridge	110	-	-	-	-
Bridgeport Overpass Resurfacing	1,100	-	-	-	-
Functional and Preliminary Design (Transportation)	30	24	24	18	18
Neighbourhood Walkway Program	450	250	250	125	125
No. 2 Road Widening, Steveston Highway to Dyke Road	-	600	6,000	-	-
Special Crosswalk Program	350	350	350	175	175
Street Light Pole Replacement: Seafair & Richmond Gardens	132	120	-	-	-
Street Light Security and Wire Theft Prevention	140	133	-	-	-
Traffic Calming Program	350	100	100	50	50
Traffic Signal Program	600	600	600	300	300
Transit-Related Amenity Improvement Program	250	100	100	100	100
Transit-Related Roadway Improvement Program	100	100	100	100	100
Total Roads	\$8,185	\$6,975	\$12,122	\$5,316	\$5,316

For details of the 2015 Capital Plan, refer to the 2015 Capital Budget Report approved by Council on February 10, 2015.

No. 2 Road Widening, Steveston Highway to Dyke Road - \$6,600,000 for years 2016-2017

The general scope of this project includes widening of No.2 Road between Steveston Highway and Dyke Road at various sections and provision of a shared continuous cycling/pedestrian pathway along No.2 Road. Major components of the project are:

- At Steveston Highway and Moncton Road intersections, upgrade to arterial road standard with selective widening and appropriate intersection tapers, additional traffic (turning) lane as warranted;
- Moncton Road to Dyke Road: upgrade the road to collector standard and maintain parking on the east side (no parking will be provided on the west side as per existing conditions);
- A new traffic signal at Moncton Road;
- A shared cycling/pedestrian pathway along No.2 Road (east side from Steveston Highway to the existing crosswalk located approximately 260m south of Andrews Road then swing over to the west side to Dyke Road); and
- Hydro/Tel/cable portion of cost estimate includes pole relocation and potential cost to acquire lands along east side of No. 2 Road, where required

Infrastructure - Drainage Program (in \$000's)

Recommended Project Name	Year				
Drainage	2015	2016	2017	2018	2019
ALR Drainage System Upgrades - South Sidaway Area	-	\$450	-	-	-
Aquatic Invasive Species Management	150	-	-	-	-
Automated Irrigation Gate Installation / Local Ditch Upgrade	300	-	-	-	-
Burkeville Drainage	1,000	-	-	-	-
Canal Stabilization - No. 3 Road and No. 8 Road	300	300	-	-	-
Development Coordinated Works in Capital	-	500	500	100	-
Dike Upgrades	750	1,500	1,500	1,500	1,500
Drainage Minor Capital	300	300	300	300	-
Garden City Land Improvements - Stormwater Management	-	1,000	-	-	-
Horseshoe Slough Dredging	-	500	-	-	-
Horseshoe Slough Pump Station Rebuild	4,200	-	-	-	-
Irrigation Gate Installation - No. 6 Rd and Triangle Rd	-	150	-	-	-
Laneway Drainage and Asphalt Upgrade	933	890	810	1,050	910
Long Shaft Drainage Pump Replacement Program	300	-	-	-	-
McCallan Rd North Pump Station Upgrade	-	-	-	-	4,200
Miller Road Pump Station Generator Upgrade	-	120	-	-	-
Minor Capital	-	-	-	-	300
Nelson Road South Pump Station Generator	120	-	-	-	-
No 1 Rd Box Culvert Rehabilitation	2,150	-	-	-	-
No 2 Road South Pump Station Upgrade	-	-	7,400	-	-
No 6 Road South Pump Station Generator	-	-	120	-	-
No 7 Road South Pump Station Upgrade	-	4,200	-	-	-
Queens Road North Pump Station Generator	120	-	-	-	-
Shell Road North Pump Station Upgrade	-	-	-	3,900	-
Steveston Hwy & Gilbert Rd Pump Station Upgrade	-	-	-	-	1,800
Steveston Hwy & No. 3 Rd Pump Station Upgrade	-	-	-	-	1,800
Williams Road 3000 Block Drainage Pipe Upgrade	-	-	-	3,350	-
Total Drainage	\$10,623	\$9,910	\$10,630	\$10,200	\$10,510

For details of the 2015 Capital Plan, refer to the 2015 Capital Budget Report approved by Council on February 10, 2015.

ALR Drainage System Upgrades - South Sidaway Area - Phase 3 of 3 - \$450,000 for year 2016

Lower culvert watercourse crossings and reprofile watercourses along Steveston Highway between Sidaway Road and Palmberg Road and on Sidaway Road between Steveston Highway and the Francis Road Right-of-Way. Install two automated irrigation control structures on Steveston Highway and Palmberg Road. The work will be undertaken in 3 phases to balance other drainage funding priorities.

Development Coordinated Works in Capital - \$1,100,000 for years 2016-2018

This project will enable the City to leverage development over the next year to design and construct drainage infrastructure outside of what would be required as part of their development.

These are upgrades and replacement of ageing infrastructure that the City would complete separately but economic and engineering efficiencies can be achieved by having the developer complete this work at the same time the development takes place.

Dike Upgrades - \$6,000,000 for years 2016-2019

Implement dike improvements along the Fraser River's North and South Arm. Projects will address current infrastructure deficiencies and meet medium to long-term needs. Projects will accommodate local areas needs such as the provision of basic recreational trails.

Garden City Land Improvements - \$1,000,000 for year 2016

Stormwater Management Scheme

Laneway Drainage and Asphalt Upgrade - \$3,660,000 for years 2016-2019

Does not include the addition of street lighting, curbs or gutters. The project is estimated to take 2-3 months and be complete by October of each respective year.

- **Dennis Crescent West - \$490,000 for year 2016** - Install drainage and upgrade 375m of pavement.
- **Swinton Cr (East) - \$400,000 for year 2016** - Install drainage and upgrade 307m of pavement.
- **10,000 Blk No. 4 Road - \$320,000 for year 2017** - Install drainage and upgrade 240m of pavement.
- **Aintree Crescent (East) - \$490,000 for year 2017** - Install drainage and upgrade 375m of pavement.
- **Seafeld Crescent 233m - \$310,000 for year 2018** - Install drainage and upgrade 233m of pavement.
- **Shell Road- 563m - \$740,000 for year 2018** - Install drainage and upgrade 563m of pavement.
- **Seacote Road (East) - \$170,000 for year 2019** - Install drainage and upgrade 130m of pavement.

- **Seamount Road (East) - \$740,000 for year 2019** - Install drainage and upgrade 565m of pavement.

McCallan Rd North Pump Station Upgrade - \$4,200,000 for year 2019

Demolish the existing pump station and rebuild it to a modern standard. Increase pumping capacity by 100% and lower the low water pumping elevation. Make local dike upgrades. Landscape the construction area.

The project is estimated to take 6 months. Construction will be scheduled for spring/summer 2017.

This is a single year project that is part of a larger strategy to increase the City's drainage capacity, increase pump station reliability and reduce flooding.

Major Cost Components:

Civil (65%) - \$2,730,000
Mechanical (19%) - \$798,000
Electrical (16%) - \$672,000

No 2 Road South Pump Station Upgrade - \$7,400,000 for year 2017

Build a new drainage pump station at the south end of No. 2 Rd and approximately 120m of box culvert. Decommission the existing station, reinstate the dike and fill 120m of ditch.

The project is estimated to take 6 months. Construction will be scheduled for spring 2017.

This is a single year project that is part of a larger strategy to increase the City's drainage capacity, increase pump station reliability and reduce flooding.

Major Pump Station Cost Components:

Civil (65%)	\$2,990,000
Mechanical (19%)	\$874,000
Electrical (16%)	\$736,000

Major Ancillary Cost Components:

Box Culvert	\$1,800,000
Decommissioning	\$1,000,000

No 7 Road South Pump Station Upgrade - \$4,200,000 for year 2016

Demolish the existing pump station and rebuild it to a modern standard. Make local dike upgrades. Landscape the construction area. The project is estimated to take 6 months.

Major Cost Components:

Civil (65%) - \$2,730,000

Mechanical (19%) - \$798,000

Electrical (16%) - \$672,000

Shell Road North Pump Station Upgrade - \$3,900,000 for year 2018

Demolish the existing pump station and rebuild it to a modern standard. Increase pumping capacity by 45% and lower the low water pumping elevation. Make local dike upgrades. Landscape the construction area.

The project is estimated to take 6 months. Construction will be scheduled for spring/summer 2018.

This is a single year project that is part of a larger strategy to increase the City's drainage capacity, increase pump station reliability and reduce flooding.

Major Cost Components:

Civil (65%) - \$2,535,000

Mechanical (19%) - \$741,000

Electrical (16%) - \$624,000

Steveston Hwy & Gilbert Rd Pump Station Upgrade - \$1,800,000 for year 2019

Demolish the existing pump station and rebuild it to a modern standard. Increase pumping capacity and lower the low water pumping elevation. Make local dike upgrades. Landscape the construction area.

The project is estimated to take 6 months. This is a single year project that is part of a larger strategy to increase the City's drainage capacity, increase pump station reliability and reduce flooding.

Steveston Hwy & No. 3 Rd Pump Station Upgrade - \$1,800,000 for year 2019

Demolish the existing pump station and rebuild it to a modern standard. Increase pumping capacity and lower the low water pumping elevation. Make local dike upgrades. Landscape the construction area.

The project is estimated to take 6 months. This is a single year project that is part of a larger strategy to increase the City's drainage capacity, increase pump station reliability and reduce flooding.

Williams Road 3000 Block Drainage Pipe Upgrade - \$3,350,000 for year 2018

This project will install 960 m of 1200 mm dia. pipe to provide additional drainage capacity between the new Williams Road drainage pump station and the No. 1 Road box culvert. Installing one pipe eliminates the need to install various small pipes in this area.

The project is estimated to take 3 months to complete.

Infrastructure – Watermain Replacement Program (in \$000's)

Recommended Project Name	Year				
	2015	2016	2017	2018	2019
Watermain Replacement					
Development Coordinated Works in Capital	-	\$100	\$100	\$100	\$100
Residential Water Metering	1,920	1,920	1,920	1,920	-
Watermain Replacement - Lulu Island East Area	-	1,770	-	-	-
Watermain Replacement - Lulu Island North Area	2,160	5,160	2,000	-	-
Watermain Replacement - Lulu Island West Area	3,590	3,060	5,730	7,450	9,000
Watermain/Drainage Replacement	1,180	-	-	-	-
Total Water	\$8,850	\$12,010	\$9,750	\$9,470	\$9,100

For details of the 2015 Capital Plan, refer to the 2015 Capital Budget Report approved by Council on February 10, 2015.

Watermain Replacement - Lulu Island Area - \$34,170,000 for years 2016-2019

The Waterworks Capital Program is based on watermain age, material, break history and the proposed road paving program. The program replaces ageing infrastructure prior to failure and improves fire protection.

- **Lulu Island East Area - \$1,770,000 for year 2016** - This project includes the installation of 1920 m of 200 mm diameter watermain to replace the existing ageing infrastructure.
- **Lulu Island North Area - \$5,160,000 for year 2016** - This project includes the installation of 4065 meters of 200mm diameter watermain and 520 meters of 300mm diameter watermain to replace the existing infrastructure.
- **Lulu Island North Area - \$2,000,000 for year 2017** - This project includes installation of 2120 meters of 200mm diameter watermain to replace the existing ageing infrastructure.
- **Lulu Island West Area- Camsell Crescent Area - \$3,060,000 for year 2016** - This project includes the installation of 2131 meters of 200mm diameter watermain to replace the existing infrastructure.
- **Lulu Island West - \$5,730,000 for year 2017** - This project includes installation of 6140 meters of 200mm diameter watermain to replace the existing ageing infrastructure.
- **Lulu Island West Area - \$7,450,000 for year 2018** - This project includes installation of 6395 meters of 200mm diameter watermain and 1180 lineal meters of 300mm diameter watermain to replace the existing ageing infrastructure.
- **Lulu Island West Area - \$9,000,000 for year 2019** - This project includes installation of 4390 meters of 200mm diameter watermain and 2880 meters of 300mm diameter watermain to replace the existing ageing infrastructure.

Infrastructure – Sanitary Sewer Program (in \$000's)

Recommended Project Name	Year				
	2015	2016	2017	2018	2019
Sanitary Sewer					
Aquila Rd Sanitary Sewer Replacement	-	-	-	\$140	-
Blundell Rd Forcemain Tie-Ins	400	-	-	-	-
City Centre Sanitary Sewer Rehabilitation - Phase 1 to 2	-	610	550	-	-
Development Coordinated Works in Capital	350	100	500	500	-
Eckersley A Pump Station Replacement	-	-	-	2,150	-
Gravity Sanitary Sewer Upgrade	-	-	2,500	-	-
Hamilton Sanitary Sewer Phase 3	1,520	-	-	-	-
Leslie Sanitary Pump Station	1,550	-	-	-	-
Miscellaneous SCADA System Improvements	192	250	250	250	500
Public Works Minor Capital - Sanitary	242	300	300	300	300
Sanitary Pump Replacements	-	150	150	150	150
Pump Station and Forcemain Assessment and Upgrade	-	750	750	750	750
Steveston Forcemain Replacements	-	-	-	780	-
Steveston Sanitary Sewer Rehabilitation	-	410	-	-	-
Van Horne Pump Station Upgrade	-	2,780	-	-	-
Vulcan Way Sanitary Forcemain Replacement	3,060	-	-	-	-
Williams Rd Sanitary Forcemain Replacement	-	-	-	-	1,920
Total Sanitary Sewer	\$7,314	\$5,350	\$5,000	\$5,020	\$3,620

For details of the 2015 Capital Plan, refer to the 2015 Capital Budget Report approved by Council on February 10, 2015.

City Centre Sanitary Sewer Rehabilitation - Phase 1 to 2 - \$1,160,000 for year 2016-2017

This project involves rehabilitation (trenchless point repairs, external point repairs, and concrete grouting) of sanitary sewer mains in various locations of the City Center Sanitary Sewer Area. The rehabilitation work is based on deficiencies identified through the sanitary sewer CCTV inspection program.

Rehabilitation will extend the service life of sanitary sewers, lower their lifecycle costs and prevent related infrastructure failures such as sinkholes.

If ageing sanitary sewers are not rehabilitated, service levels will decrease, operation and maintenance costs will increase and the risk of damage to local road and utility infrastructure will increase.

The project supports an objective in the Official Community Plan (OCP) to maintain an efficient sewage system to protect public health and safety.

Eckersley A Pump Station Replacement - \$2,150,000 for year 2018

This project involves replacement of the Eckersley A sanitary sewer pump station. The existing pump station will not have adequate capacity to service the growing population within the catchment area. The requirement for the Eckersley A pump station upgrade was identified by the 2041 OCP Sanitary Modelling project.

Gravity Sanitary Sewer Upgrade on River Rd / Beckwith Rd / Charles St - \$2,500,000 for year 2017

This project includes construction of 210 meters of 300mm diameter gravity sewer and 470 meters of 375mm diameter gravity sewer.

The existing sanitary sewer on River Rd / Beckwith Rd / Charles St will not have adequate capacity to service the growing population within the Bridgeport area. The requirement for this project was identified by the 2041 OCP Sanitary Model.

Steveston Forcemain Replacements - \$780,000 for year 2018

As pressurized fibreglass forcemains age, they become brittle and have an increased risk of failure. This project will replace three 50-year-old fibreglass forcemains that are at the end of their service lives.

This project includes the construction of:

- 485 meters of 300mm diameter forcemain and 30 meters of 500mm diameter forcemain on Richmond St, from Steveston pump station to Garry St;
- 160 meters of 250mm diameter forcemain on Fentiman Pl, from Garry pump station to Garry St;
- 285 meters of 300mm diameter forcemain on Francis Rd, from 7260 Francis Rd to Foster Rd

Steveston Sanitary Sewer Rehabilitation - \$410,000 for year 2016

This project involves rehabilitation (trenchless point repairs, external point repairs, and concrete grouting) of sanitary sewer mains in various locations of the Steveston Sanitary Sewer Area. The rehabilitation work is based on deficiencies identified through the sanitary sewer CCTV inspection program.

Rehabilitation will extend the service life of sanitary sewers, lower their lifecycle costs and prevent related infrastructure failures such as sinkholes.

If ageing sanitary sewers are not rehabilitated, service levels will decrease, operation and maintenance costs will increase and the risk of damage to local road and utility infrastructure will increase.

The project supports an objective in the Official Community Plan (OCP) to maintain an efficient sewage system to protect public health and safety.

Van Horne Pump Station Upgrade - \$2,780,000 for year 2016

This project includes construction of a new pump station including wet well, VFD pumps, electrical kiosk, 50 meters of 650mm diameter gravity pipe and 320 meters of 400mm forcemain. This project will require land acquisition.

Major Cost Components

Land Acquisition
Pump Station Supply and Installation
Gravity Pipe work
Forcemain Pipe work

Williams Rd Sanitary Forcemain Replacement - \$1,920,000 for year 2019

The purpose of this project is to replace an ageing sanitary forcemain that is at the end of its service life. The project includes the construction of 800m of 350mm forcemain to replace the existing reinforced concrete forcemain.

The project corresponds with the City's Ageing Infrastructure Report, and supports an objective in the Official Community Plan (OCP) to proactively plan infrastructure upgrades and replacements due to age and growth. Replacement will reduce the risk of pipe failure and minimizes the cost and disruption of unplanned maintenance and emergency repairs.

Infrastructure – Minor Public Works Program (in \$000's)

Recommended Project Name	Year				
Minor Public Works	2015	2016	2017	2018	2019
Public Works Minor Capital - Traffic	\$225	\$250	\$250	\$250	\$250
Public Works Minor Capital - Water	400	300	300	300	300
Roads Minor Capital	-	250	250	-	-
Total Minor Public Works	\$625	\$800	\$800	\$550	\$550

For details of the 2015 Capital Plan, refer to the 2015 Capital Budget Report approved by Council on February 10, 2015.

Infrastructure –Advanced Design Program (in \$000's)

Recommended Project Name	Year				
Infrastructure Advanced Design & Land	2015	2016	2017	2018	2019
PW Infrastructure Advanced Design	\$1,586	\$1,183	\$1,333	\$1,238	\$1,238
Total Infrastructure Advanced Design & Land	\$1,586	\$1,183	\$1,333	\$1,238	\$1,238

For details of the 2015 Capital Plan, refer to the 2015 Capital Budget Report approved by Council on February 10, 2015.

Infrastructure –District Energy Utility Program (in \$000's)

Recommended Project Name	Year				
District Energy Utility	2015	2016	2017	2018	2019
Alexandra District Energy Utility Expansion Phase 3	\$12,100	\$3,800	-	-	\$5,500
City Centre District Energy Utility	300	-	-	-	-
Total District Energy Utility	\$12,400	\$3,800	-	-	\$5,500

For details of the 2015 Capital Plan, refer to the 2015 Capital Budget Report approved by Council on February 10, 2015.

Building Program (in \$000's)

Recommended Project Name	Year				
Building	2015	2016	2017	2018	2019
Brighthouse Park Fieldhouse & Caretaker - Roof Replacement	-	\$168	-	-	-
Cambie Community Centre - HVAC Renewal	-	-	-	941	-
City Hall - Lighting Upgrade	110	-	-	-	-
City Hall - Main Elevators Modernization	600	-	-	-	-
Direct Digital Control Upgrade and Consolidation	290	-	-	-	-
Energy Management Projects	585	450	450	550	550
East Richmond Community Hall Renewals	-	-	508	-	-
East Richmond Library Interior Finishes	-	-	-	-	115
Fire Hall 4 Fuel Tank	-	-	-	-	125
Fire Hall 5 Interior Finishes	-	-	-	-	138
Fire Hall 6 Electrical	-	168	-	-	-
Fire Hall 7 Roofing	-	-	-	-	234
Garratt Wellness Centre - Renewals & Upgrades	-	324	-	-	-
Gateway Theatre - HVAC Renewals & Upgrades	250	-	-	-	-
Ironwood Library HVAC	-	799	-	-	-
Minoru Arena Silver - Evaporative Condenser	121	-	-	-	-
Minoru Arena Stadium Rink HVAC	-	-	-	-	1,988
Minoru Grandstands Renewals	-	274	-	-	-
Minoru Silver Arena HVAC	-	-	-	1,987	-
Nature Park Pavilion HVAC	-	-	297	-	-
Project Development Advanced Design	300	-	-	-	-
Richmond Animal Shelter - Trailer Installation	136	-	-	-	-
Richmond Ice Centre - Roof Repairs	-	814	-	-	-
Richmond Public Courthouse - Renewals of Interior Finishes	-	-	-	780	-
South Arm Community Centre - Renewals & Upgrades	650	-	-	-	-
South Arm Community Centre HVAC	-	-	2,165	-	-
South Arm Community Hall HVAC	-	-	-	430	-
South Arm Pool HVAC	-	-	280	-	-
Steveston Martial Arts Interior Finishes	-	-	-	463	-
Steveston Pool Electrical	-	-	215	-	-
The Sharing Farm - Barn Construction	324	-	-	-	-
Thompson Community Hall HVAC	-	-	573	-	-
West Richmond Community Centre Interior Finishes	-	-	-	-	2,653
Works Yard Administration - Envelope Repairs	250	-	-	-	-
Works Yard Administration HVAC	-	-	-	1,170	-
Works Yard Stores - Roof Replacement	200	-	-	-	-
Works Yard Survey Inspector HVAC	-	503	-	-	-
Total Building	\$3,816	\$3,500	\$4,488	\$6,321	\$5,803

For details of the 2015 Capital Plan, refer to the 2015 Capital Budget Report approved by Council on February 10, 2015.

HVAC Replacement - \$9,392,871 for years 2016-2019

- Works Yard Survey Inspector HVAC - \$502,503 for year 2016
- Nature Park Pavilion HVAC - \$296,607 for year 2017
- South Arm Community Centre HVAC - \$2,165,199 for year 2017
- South Arm Pool HVAC - \$279,556 for year 2017
- Thompson Community Hall HVAC - \$573,385 for year 2017
- Minoru Silver Arena HVAC - \$1,987,019 for year 2018
- South Arm Community Hall HVAC - \$430,297 for year 2018
- Works Yard Administration HVAC - \$1,170,271 for year 2018
- Minoru Arena Stadium Rink HVAC - \$1,988,034 for year 2019

Richmond Ice Centre - Roof Repairs - \$814,322 for year 2016

Work to include repairs of the roof membrane per roofing assessment study completed in 2010. Replacement of five make up air units that are beyond their useful life span.

In addition, the A-30 Dehumidification unit is in need of replacement. This unit has almost reached its expected life cycle and is starting to rust out in sections, and show signs of stress cracks which impair this units ability to function properly.

Richmond Public Courthouse - Renewals of Interior Finishes - \$780,000 for year 2018**Renew Acoustic Ceiling Tiles**

The existing acoustical ceiling tiles in the building exhibit staining and will be replaced; during replacement the T-bar grid will be seismically restrained.

Repair/Refinish Interior Walls

The painted gypsum wall board partition walls in the facility are damaged and have deteriorated paint finish. Repairs to wall will be made and interior finishes will be updated.

Renew Flooring

Carpet, vinyl sheet, and other flooring materials in the facility are aged and worn. In some locations seams are beginning to lift and represent a potential safety hazard. Various type of flooring materials will be replaced.

Breakdown

- Ceiling Tiles \$300,100
- Interior Walls \$100,500
- Flooring \$148,300
- Soft Costs (10%) \$54,890
- Contingency (30%) \$181,100 (allowance for after hours work, as it is occupied during regular business hours)

Total \$780,000

West Richmond Community Centre - \$2,653,333 for year 2019

West Richmond Community Centre Interior Finished Project scope includes upgrades to the following systems:

- Floor & Ceiling Finishes
- Roof Top units & exhaust ventilation
- Fire suppression system
- Lighting & distribution

Major Parks/Streetscapes Program (in \$000's)

Recommended Project Name	Year				
Major Parks/Streetscapes	2015	2016	2017	2018	2019
Cambie Mueller/Avanti Park	-	-	\$1,000	\$500	-
Characterization - Neighbourhood Parks	-	100	100	100	250
Garden City Lands Phase 1 to 5	2,100	1,000	750	1,375	2,125
Hugh Boyd Artificial Turf Sports Fields	-	-	-	-	1,800
Lang Park Redevelopment - Park Characterization	800	-	-	-	-
Middle Arm/Hollybridge Pier	1,000	-	-	-	-
Minoru Lakes Development	-	1,000	-	-	-
Parks Advance Planning & Design	500	350	300	300	350
Richmond High Artificial Turf Field Replacement	-	600	-	-	-
The Gardens Agricultural Park	1,100	400	403	-	-
Waterfront Improvement Program	-	250	-	250	-
West Cambie Park	-	750	-	-	-
Total Major Parks/Streetscapes	\$5,500	\$4,450	\$2,553	\$2,525	\$4,525

For details of the 2015 Capital Plan, refer to the 2015 Capital Budget Report approved by Council on February 10, 2015.

Cambie Mueller/Avanti Park - \$1,000,000 for year 2017

Cambie/Aberdeen (Mueller) Park is a new park located within the Capstan Village neighbourhood of Richmond's City Centre. The concept proposes that the park function as a local green space and urban square for public gatherings and community activities, and as a complement to the busy urban realm. It will offer a diverse mixture of landscapes, programs, activities and amenities for residents and visitors alike to experience and enjoy in a shared setting.

This phase of work includes the addition of special amenities to the base park development established in 2014. Work will begin on the planning and design of the plaza performance area, which may include a stage with support facilities, storage area, and public washrooms.

OBI \$13,000

Cambie Mueller Park - Phase 4 - \$500,000 for year 2018

This phase of work includes the completion of the plaza performance area, which may include a stage with support facilities, storage area, and public washrooms.

Garden City Lands Phase 2 -Trails, Bog Berm, and General Landscape Construction - \$1,000,000 for year 2016

Garden City Lands Phase 2 Trails, Bog Berm, and General Landscape Construction
\$1,000,000 OBI \$20,000

This is Phase Two of the Garden City Lands project and includes construction of internal trails, boardwalks, and multiple entry features to provide public access into the 136.5 acre site, and further water management infrastructure.

After an extensive public process (File Ref. No. 06-2345-20 REDMS No. 4219968), City Council adopted the GCL Legacy Landscape Plan on June 9th, 2014 as the guide for developing these public lands for community use. The Legacy Plan outlines over 25 City policies and objectives that development of the GCL supports within a variety of focus areas such as sustainability agricultural, ecological health, community wellness, arts and culture, and city vibrancy.

This phase of the project will further improve the public's use of this large open space within the City Centre, facilitate the farming capability of the Lands, and protect the environmentally sensitive bog environment.

Garden City Lands - Phase 3 Ecological Restoration and Water Feature Construction - \$750,000 for year 2017

This is Phase 3 of the Garden City Lands project and includes a major native tree and shrub planting and the construction of large site water features as part of the management of the environmentally sensitive bog and city storm water. This phase of the project will help protect the sensitive bog environment and add biodiversity to the site.

Garden City Lands - Phase 4 Community Hub, Children's Play Area, Viewing Towers - \$1,375,000 for year 2018

\$1,125, 000 Non-DCC Community Hub building construction OBI \$15,000
\$250,000 DCC – Children's play area

This is Phase 4 of the Garden City Lands project and includes development of the Community Hub area with recreational facilities and amenities. This phase of the project will focus on the design and construction of the recreational facilities and amenities to add interest, education and interpretation, and a diversity of activities that will meet the growing population in the adjacent neighbourhoods.

Garden City Lands - Community Facilities, Trails, and Native Planting - \$2,125,000 for year 2019

\$1,125,000 Non-DCC funding

\$1,000,000 DCC

This is Phase 5 of the Garden City Lands project and includes design and construction of a second phase of community facilities, major boardwalks and viewing towers, bridges, trails and bog restoration planting. This phase will open up the whole park to the public by adding community facilities, interpretation, and, by providing controlled public access to environmentally sensitive landscapes, as well as providing critical bog restoration as part of the city-wide Ecological Network.

Hugh Boyd Artificial Turf Sports Fields - \$1,800,000 for year 2019

The purpose of this project is to replace the artificial turf surface at Hugh Boyd Park.

Hugh Boyd Artificial Turf Sports Fields was constructed in 2006 as part of the planning and design of the City's Sports Strategy with the Sports Council. It was then one the largest single synthetic sports field built in Canada with the equivalent area of over 3 full size soccer fields. The facility now hosts major soccer tournaments such as the Nations Cup and has become one of Richmond's premier fields for training and tournaments.

Artificial turf fields generally have a life cycle of up to 10 years before the turf layer needs to be replaced due to wear and tear and the surface material being worn down,

Scope of Work includes:

Removal and disposal of the existing turf layer	\$ 200,000
Installation of the new turf layer	\$1,400,000
Drainage and sub base preparations	\$ 200,000

Estimated total \$1.8 Million

Funding is available in the Special Sports Reserve, within the Capital Building and Infrastructure Reserve.

Minoru Lakes Development - \$1,000,000 for year 2016

This project is the redevelopment of the Minoru lakes and surrounding areas. This includes retrofit construction of the lakes which may include a storm water retention option (similar to Garden City Lakes) and other landscape features. The cost to construct the lakes at Garden City Park was approximately \$1 Million in 2005.

Detail topographical survey	\$10,000
Engineering consulting	\$90,000
Construction	900,000

Total \$1,000,000

Minoru Park has frequently been described as Richmond's "Central Park", or the jewel in the City Centre, and has evolved through its 50 year history, but now requires many updates to meet the significant expansion of the City Centre's growth. The park must continue to entertain, educate, and promote a healthy standard of living through its large amount of community programming, sports, arts, theatre, and cultural amenities. This project involves the retrofit of Minoru Lakes by excavating/dredging the sediment/waste accumulation in the lakes. Some areas of the lakes have only six inches of water depth which results in extensive algae growth and a foul smell that comes from the build-up of duck excrement sedimentation in the lake.

Minoru Park is exceedingly popular year round. Each year the park supports major City events such as Winterfest, City Centre Celebration, and Halloween Fireworks presentations.

Richmond High Artificial Turf Field Replacement - \$600,000 for year 2016

The purpose of this project is the removal, replacement and disposal of the artificial turf surface at Richmond High.

Richmond High Artificial turf field was constructed in 2005 as a joint effort between the School District and the City. Since the field serves as the only "green space" for the school, it is used for all purposes and activities during school hours including sports, gathering areas and special events. After hours, the fields are consistently booked for programmed use.

Artificial turf fields generally have a life cycle of up to 10 years before the turf layer needs to be replaced due to wear and tear and the surface material being worn down,

The removal, replacement and disposal of the artificial turf layer at Richmond High.

Estimated cost:

Removal and disposal of existing turf	\$80,000
Replacement and installation of new turf	\$450,000
Design and contingencies for base prep	\$70,000

The Gardens Agricultural Park - \$400,000 for year 2016

The Gardens Agricultural Park is a 12.2 acre city wide park that will serve the residential growth occurring in the Shellmont area and the existing community park service gap identified in the 2022 Parks and Open Space Strategy. The former botanical garden and theme park site is being restored and developed to provide recreational amenities (walking paths, playground, gardens), agricultural uses (small scale farming and community gardens) and to serve as a location for community events. Phase 4 of the park plan will be developed including:

- completion of the ponds landscape including overlook platforms and boardwalk
- restoration of existing garden areas (planting, trail improvements, installation of irrigation)

The Gardens Agricultural Park - \$403,300 for year 2017

The Gardens Agricultural Park is a 12.2 acre city wide park that will serve the residential growth occurring in the Shellmont area and the existing community park service gap identified in the 2022 Parks and Open Space Strategy. The former botanical garden and theme park site is being restored and developed to provide recreational amenities (walking paths, playgrounds and gardens), agricultural uses (small scale farming and community gardens), as well as to serve as a location for community events. Phase 5 of the Council approved park master plan will encompass:

- phase 1 of the farm themed playground
- existing garden restoration (including planting, trail improvements and irrigation)

Waterfront Improvement Program - \$500,000 for years 2016 and 2018

In 2009, City Council adopted the Waterfront Strategy and its vision that " Richmond will be a community that celebrates its rich past and recognizes the full potential of its island legacy - a dynamic, productive, and sustainable world class waterfront" .

Several of the City's best open space amenities are located at its waterfront edge such as Terra Nova, Garry Point Park, Middle Arm & the Oval, and the south & west dyke trails. This program assists in funding opportunistic waterfront improvements and the continuation of implementing the waterfront strategy.

For 2016, projects may include the retrofit of McDonald Beach boat launch. Planning and preparation would start in 2015 for the conceptual design and cost estimates to confirm the feasibility of the project.

For 2016, scope of work will be determined in 2017 during the Capital Program planning and preparation process.

West Cambie Park - \$750,000 for year 2016

This park is the main green space centrally located within the Alexandra neighbourhood of West Cambie. The site is unique, containing stands of large trees, and remnants of garden landscapes from the original single family lots. A major objective will be to preserve existing natural features while considering introducing new open space and recreational amenities to the site.

Minor Parks Program (in \$000's)

Recommended Project Name	Year				
Minor Parks	2015	2016	2017	2018	2019
City Tree Planting Program	\$300	\$150	\$150	\$150	\$150
Parks Ageing Infrastructure Retrofit / Replacement Program	175	100	100	200	200
Parks General Development	500	250	250	300	300
Playground Improvement Program	200	200	200	300	300
Seine Net Loft - Deck Repair	572	-	-	-	-
Total Minor Parks	\$1,747	\$700	\$700	\$950	\$950

For details of the 2015 Capital Plan, refer to the 2015 Capital Budget Report approved by Council on February 10, 2015.

Parkland Acquisition Program (in \$000's)

Recommended Project Name	Year				
Parkland Acquisition	2015	2016	2017	2018	2019
Parkland Acquisition Program	\$4,630	\$4,000	\$4,000	\$4,000	\$4,000
Total Parkland Acquisition	\$4,630	\$4,000	\$4,000	\$4,000	\$4,000

For details of the 2015 Capital Plan, refer to the 2015 Capital Budget Report approved by Council on February 10, 2015.

Public Art Program (in \$000's)

Recommended Project Name	Year				
Public Art	2015	2016	2017	2018	2019
Public Art Program	\$408	\$100	\$100	\$100	\$100
Total Public Art	\$408	\$100	\$100	\$100	\$100

For details of the 2015 Capital Plan, refer to the 2015 Capital Budget Report approved by Council on February 10, 2015.

The capital submission for 2015 includes private projects that staff are aware of and can proceed with in 2016. For years 2016-2019 of the five year plan, funding requests are submitted for the Community Art program only as there is little information available on new expected development submissions or how existing ones will be progressing.

Land Acquisition Program (in \$000's)

Recommended Project Name	Year				
Land	2015	2016	2017	2018	2019
Strategic Land Acquisition	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000
Total Land	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000

For details of the 2015 Capital Plan, refer to the 2015 Capital Budget Report approved by Council on February 10, 2015.

Affordable Housing Project Program (in \$000's)

Recommended Project Name	Year				
	2015	2016	2017	2018	2019
Affordable Housing					
Affordable Housing Projects - City Wide	\$750	\$750	\$750	\$605	-
Affordable Housing Projects - West Cambie	125	-	-	-	-
Kiwanis Towers	284	-	-	-	-
Total Affordable Housing	\$1,159	\$750	\$750	\$605	-

For details of the 2015 Capital Plan, refer to the 2015 Capital Budget Report approved by Council on February 10, 2015.

The City's Affordable Housing Strategy focuses on:

- Leveraging monies collected in the City's Affordable Housing Reserve Fund primarily for subsidized housing, and
- Meeting the affordable housing needs of Richmond's diverse population by the City managing its resources in partnerships with the private sector, local groups, agencies and other levels of government.

In the absence of consistent Senior Government funding, subsidized rental housing is the most financially challenging to develop. The challenge for non-profit housing providers is to cover the construction costs and carry a mortgage at a level that is sustainable to maintain operating costs and delivery of affordable rents to very low-income households.

The City has approved two Affordable Housing Special Development Circumstance (AHSDC) projects for subsidized rental housing. The City has committed significant financial contributions to these projects through the Affordable Housing Reserve Fund and policy mechanisms that provide for voluntary developer contributions to be utilized towards the construction costs for AHSDC projects, which includes Council approval of the:

- Kiwanis project for development of 296 senior subsidized rental units to receive a total of up to \$24,243,078 towards construction costs and permit fees (i.e. Affordable Housing Value Transfer of \$18,690,406; Affordable Housing Reserve Fund contribution for subsidized rental housing provision of \$2,147,204; and DCC, Service Cost, and Permit fee coverage of \$3,305,468).
- 8111 Granville Avenue/8080 Anderson Road development of 129 subsidized rental units with complementary programmed space to support tenant self-sufficiency to receive a total of up to \$19,861,021 towards the construction costs and permit fees (i.e. Affordable Housing Value Transfer of \$14,142,228; DCC, Service Cost and Permit fee coverage of up to \$2,718,793; and Interim funding of \$3M to support delivery of subsidized rents).

Both projects total \$44,104,099 in City contributions through the Affordable Housing Reserve Fund and City policies to leverage monies received through voluntary developer contributions towards the delivery of affordable housing without impact to Richmond taxpayers.

Equipment Program (in \$000's)

Recommended Project Name	Year				
Equipment	2015	2016	2017	2018	2019
Annual Fleet Replacement					
Vehicle and Equipment Purchases (PW and Corporate Fleet)	\$2,851	\$2,807	\$1,972	\$2,041	\$1,707
Total Annual Fleet Replacement	\$2,851	\$2,807	\$1,972	\$2,041	\$1,707
Fire Department Vehicles Program					
Fire Equipment Replacement	\$25	\$26	\$226	\$27	\$27
Fire Vehicle Replacement Reserve Purchases	972	1,407	959	972	1,587
Total Fire Department Vehicles Program	\$997	\$1,433	\$1,185	\$999	\$1,614
Miscellaneous Equipment					
Multi-Family Food Scraps Organics Program	\$700	-	-	-	-
Snow Shed Doors/Salt Covers	200	-	-	-	-
Weigh Scale for Large Commercial Vehicles	100	-	-	-	-
Total Miscellaneous Equipment	\$1,000	-	-	-	-

Technology Program					
2015 Microsoft Licensing & Storage	\$136	-	-	-	-
2015 Server Infrastructure Upgrades	282	-	-	-	-
Existing Operational Desktop Computer Hardware Funding	420	363	465	434	460
Integrated Payment Approval	100	-	-	-	-
Master Customer Data	900	-	-	-	-
Middleware Deployment	600	-	-	-	-
WorkSafe BC Claims/Incident Management System	106	-	-	-	-
Emergency Operations Centre Information Mgmt System	178	-	-	-	-
Planning & Development Business Transformation	300	-	-	-	-
WiFi Network Expansion Phase 1 to 2	258	896	-	-	-
Total Technology Program	\$3,280	\$1,259	\$465	\$434	\$460
Total Equipment	\$8,128	\$5,499	\$3,622	\$3,474	\$3,781

For details of the 2015 Capital Plan, refer to the 2015 Capital Budget Report approved by Council on February 10, 2015.

Vehicle and Equipment Reserve Purchases (PW and Corporate Fleet) - \$8,527,000 for years 2016-2019

The work involves meeting with user groups to establish needs and develop specifications for vehicle/equipment replacements. Bid documentation is then issued to the marketplace, with purchases combined where possible to achieve best value. Submissions are evaluated with user input, and awards are made accordingly. Scope also includes vehicle outfitting as required to coincide with individual user department needs. The work commences upon receiving Council

approval, with timing dependent on delivery timeframes/availability of product from successful vendors.

WiFi Network Expansion Phase 2 - \$896,000 for year 2016

Item One: WiFi in Fire Halls (2016:\$26K)

This two-year project will supply wifi services to fire halls, including the vehicle bays.

This will allow automatic updating of maps and pre-plans in trucks.

2016 - No. 1 Hall - 10 A/Ps - \$10K

2016 - No. 3 Hall - 10 A/Ps - \$10K

2016 - No. 5 Hall - 6 A/Ps - \$6K

Item Two: Recreation Centres (2016:\$23K)

This two-year project will supply wifi service to indoor & outdoor areas where required.

This plan provides coverage to community centres not currently serviced..

2016 - Cambie Community Centre - 2 A/Ps (outdoor only) - \$4K

2016 - East Richmond Community Hall - 2 A/Ps - \$2K

2016 - Hamilton Community Centre - 7 A/Ps - \$7K

2016 - Lang Community Centre - 10 A/Ps - \$10K

Item Three: Aquatics, Arenas, Heritage Sites (2016:\$75K)

This two-year project would supply wifi service to outdoor areas.

These sites are not currently serviced by wireless..

2016 - Steveston Museum - 0.3 Km, 2 A/Ps - \$43K

2016 - Richmond Ice Centre - 12 A/Ps - \$12K

2016 - Watermania - 5 A/Ps - \$5K

2016 - Branscombe House - 0.1 Km, 1 A/P - \$15K

Item Four: Parks & Public Spaces (2016:\$772K)

This two-year project would supply wifi service to outdoor areas.

All of these sites require the installation of fibre-optic cable

2016 - King George Park - 0.7 Km, 3 A/Ps - \$101K

2016 - Imperial Landing - 1.0 Km, 1 A/P - \$137K

2016 - Garry Point Park - caretaker/picnic area only - 1.01 Km, 3 A/Ps - \$142K

2016 - London Park - 1.35 Km, 2 A/Ps - \$186K

2016 - Greenway from Oval Plaza to Cambie Pier - 1.5 Km, 2 A/Ps - \$206K

Child Care Program (in \$000's)

Recommended Project Name	Year				
Child Care	2015	2016	2017	2018	2019
Child Care Projects - City Wide	\$10	\$50	\$50	\$50	\$50
Upgrade Four Child Care Facilities	400	-	-	-	-
Total Child Care	\$410	\$50	\$50	\$50	\$50

For details of the 2015 Capital Plan, refer to the 2015 Capital Budget Report approved by Council on February 10, 2015.

Internal Transfers/Debt Payment Program (in \$000's)

Recommended Project Name	Year				
Internal Transfers/Debt Payment	2015	2016	2017	2018	2019
2015 Equipment Lease Payments	\$13	-	-	-	-
Nelson Road Interchange Repayment	385	385	385	385	385
Parkland Acquisition Repayment	5,500	-	-	-	-
River Rd/North Loop (2005) Repayment	1,685	1,685	1,685	1,685	1,685
Shovel - Ready Grant (2009) Repayment Lansdowne Rd Ext	77	77	77	77	77
Total Internal Transfers/Debt Payment	\$7,660	\$2,147	\$2,147	\$2,147	\$2,147

For details of the 2015 Capital Plan, refer to the 2015 Capital Budget Report approved by Council on February 10, 2015.