

## **Report to Committee**

To:

Finance Committee

Date:

November 13, 2013

From:

Jerry Chong

File:

Director, Finance

Re:

Financial Information – 3<sup>rd</sup> Quarter September 30, 2013

## **Staff Recommendation**

That the staff report titled Financial Information – 3<sup>rd</sup> Quarter September 30, 2013 from the Manager of Financial Reporting be received for information.

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

| REPORT CONCURRENCE   |             |                                |  |  |  |  |
|--|-------------|--------------------------------|--|--|--|--|
| ROUTED TO:   | CONCURRENCE | CONCURRENCE OF GENERAL MANAGER |  |  |  |  |
| Business Licences Economic Development Community Social Development Parks Services Recreation Services Engineering Project Development Public Works Community Bylaws Fire Rescue RCMP Building Approvals Development Applications Transportation |             |                                |  |  |  |  |
| REVIEWED BY STAFF REPORT /<br>AGENDA REVIEW SUBCOMMITTEE   | INITIALS:   | APPROVED BY CAO                |  |  |  |  |

### **Staff Report**

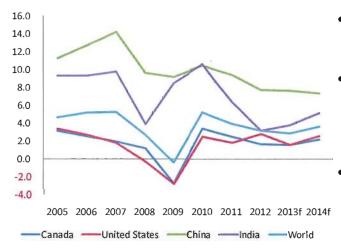
## Origin

Financial information for the 3<sup>rd</sup> quarter ended September 30, 2013 is being provided to Council for review. The report provides details on the economic environment, financial results and other key indicator information.

## **Analysis**

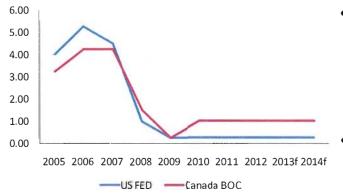
#### **Macroeconomic Indicators & Forecast**

1) Global Growth - Real GDP % Change<sup>i</sup>



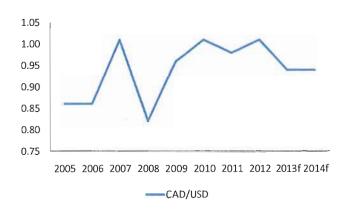
- Down to 2.9% in 2013 from 3.2% in 2012, global growth continues to be weak; risks to the forecast remain on the downside.
- In both the US and Canada, economic uncertainty continues to temper consumer and corporate spending, with a 2013 growth rate of 1.6%, lower than the 2012 Canadian rate of 1.7% and US rate of 2.8%.
- Growth in China continues it cyclical decline, falling to 7.6% in 2013 compared to 7.7% in 2012. Canada as a commodity exporter will be negatively impacted.

2) Interest Rates – US and Canadian Overnight Central Bank Rate % at Year-Endii



- Growing confidence in the US economy will begin exuding pressure on the Federal Reserve (FED) overnight rate; however, FED policymakers are awaiting further growth evidence into 2014 before tapering bond purchases and looking at the overnight rate.
- With a soft growth forecast for 2014, Canadian policymakers will likely await a move in the overnight rate in the US prior to changing the Bank of Canada rate.

## 3) Exchange Rates – CAD/USD at Year-Endiii



- The Canadian Dollar is expected to close out 2013 by continuing to slide against the US Dollar, having a positive impact on Canadian exporters.
- An upward trend forecast in some core commodity prices (such as oil, natural gas and lumber) is expected to cause the Loonie to gain some ground against the US Dollar but end 2014 far from parity at 0.94 US cents.

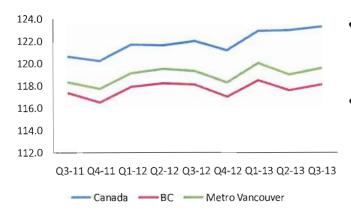
## Regional & Local Economic Activity Indicators

## 4) Unemploymentiv



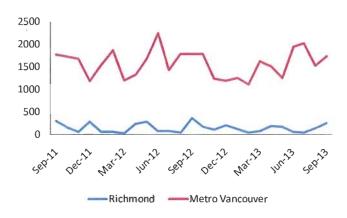
- While still under the national average, both BC-wide and Metro Vancouver unemployment rose, with the Metro Vancouver jobless rate catching up to the national average of 6.9% at the end of the last quarter.
- End of seasonal work may account for the rise in unemployment towards the end of Q3-2013.
- While the rate fluctuates from quarter to quarter, unemployment has been trending downwards in the last two years.

## 5) Consumer Price Index (CPI – 2002=100)



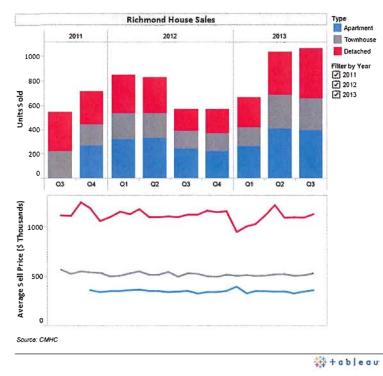
- A slow growth economy nationwide and in BC continues to maintain a relatively stable inflationary rate, despite recent fluctuations.
- The downward pressure on the CPI from re-introduction of the PST in Q2 has been completely absorbed in Q3 and the inflation rate has begun once again edging up following major commodity prices.

## 6) Housing Starts<sup>v</sup>



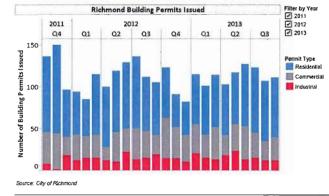
- In the third quarter of 2013, Richmond's housing starts rose 3%, while in Metro Vancouver housing starts rose by 10% in the same period.
- Year to date, a softening housing market and a slow recovery resulted in a 12% and 6% overall decline in housing starts for Richmond and Metro Vancouver, respectively.

## 7) House Sales & Prices - Richmond vi

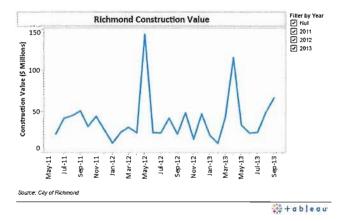


- Total house sales remained strong in Q3-2013 at 1061 units sold and doubled compared to the 568 units sold in the same quarter last year.
- The recovery in detached sales in Q2 and Q3 of 2013 brought the average sales price back up, with the average detached sales price ending the quarter at \$1,130,000 compared to \$1,125,000 for Q2 of 2012. Apartments registered the highest annual price increase of 10% in Q3-2013, compared to Q3-2012.
- Upward sales activity across all types of properties and downward housing starts pressures kept overall housing prices in Richmond on an upward trend throughout 2013.

## 8) Building Permits – Richmond<sup>vii</sup>







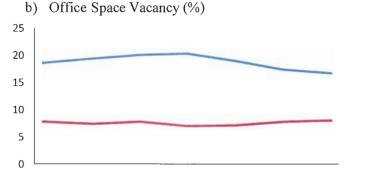
- The number of building permits issued in Q3 (341) remained even compared to the previous quarter (347) and slightly down from the same quarter last year (353).
- Year to date, the number of building permits issued in 2013 is slightly up compared to 2012, at 2%, due to increased activity in commercial and industrial permits earlier in the year.
- Residential permits issued in 2013 to date also rose compared to 2012, due to major developments going through

   multi-unit proposals such as
   Mandarin Residences and Polygon-Kiwanis.
- The commercial value of all building permits was also on the rise in Q3-2013, compared to the same period last year, due to larger residential projects proceeding to the building permit stage.

## 9) Commercial Spaceviii



 For a second quarter in a row, Richmond industrial space vacancy rose modestly to end the quarter at 4.9%, due to large additions of industrial space in East Richmond. Activity in the local and regional markets remains high, with absorption rates catching up to offset the rise in vacancies.



Dec-12

Mar-13

Metro Vancouver

Jun-13

Sep-13

Contrary to the regional trend, the vacancy rate in Richmond's office market continued to drop in Q3-2013, ending at 16.7%, compared to 20.1% the same quarter a year ago. Demand and leasing activity has been concentrated on properties located on public transit or with easy access to public transit.

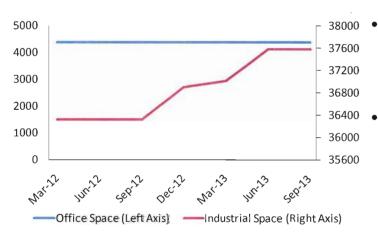
#### c) Commercial Space Inventory

Richmond

Sep-12

Jun-12

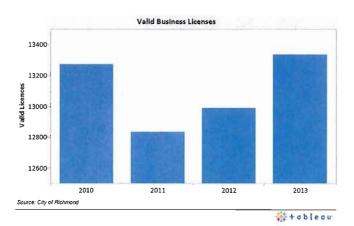
Mar-12



- Despite the improvements in office space vacancies, Richmond's office space inventory remained unchanged in Q3-2013 and year to date, with no new product added to the market.
- A highly active industrial market has seen an increase in industrial space inventory, with a total of 1.3 million square feet of industrial space added since Q3-2012.

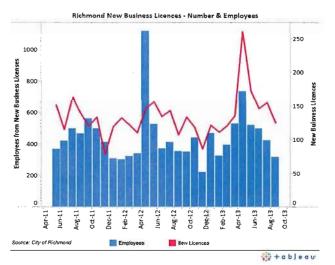
## 10) Business Growth - Richmondix

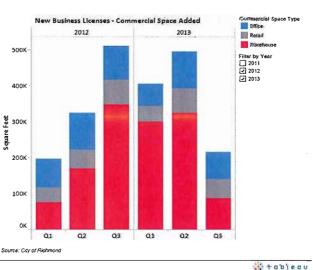
### a) Total Valid Business Licenses



 Currently at 13,336 valid Richmond business licenses to date continue to exceed both 2012 and 2011 level, at 12,988 and 12,832, respectively.

#### b) New Business Licenses Issued

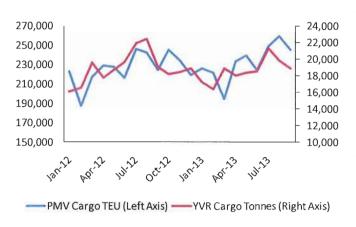




- At 426, the new business licenses issued in Q3-2013 are slightly down from Q2-2013 yet slightly up from the same quarter last year 567 and 384, respectively. Year to date, 2013 has registered a 15% increase in new business licenses, which are currently at 1345 for 2013 and 1169 for 2012.
- At 1237, employees from new business licenses in Q3-2013 are down from Q2-2013 but slightly up from the same quarter last year 1785 and 1135, respectively. Year to date, employment generated from new business licenses issued is 4% up, compared to last year, currently at 4211 employees for 2013 and 4050 employees for 2012.
- At 215,000 square feet, commercial space added from new business licenses issued is down in Q3-2013, compared to both Q2-2013 494,000 square feet and Q3-2012 510,000 square feet. Year to date, however, commercial space added from new business licenses is slightly up, compared to the same period last year, with 2013 registering 1.1 million square feet of additions compared to 1.0 million square feet added in the first three quarters of 2012.

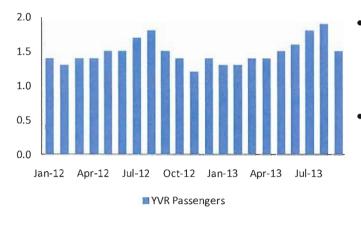
### 11) Goods and People Movement

## a) Regional Cargo Movement<sup>x</sup>



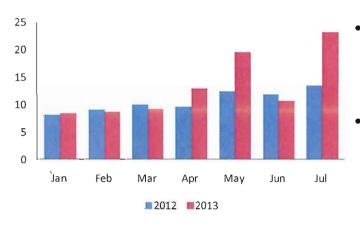
- Both the port and the airport continued registering an overall increase in cargo shipments in Q3-2013 (60,000 tones and 750,000 TEUs twenty-foot-equivalent units, respectively), compared to the previous quarter, reaching similar levels as the same quarter last year.
- Year to date, YVR cargo tones shipments are slightly down from 171,644 in 2012 to 167,356 in 2013 and PMV TEUs are on par to last year at approximately 2 million.

## b) Airport Passengersxi



- In Q3-2013, YVR handled 5.2 million passengers, up from 4.5 million in the last quarter and from 5.0 million in the same quarter last year.
- Year to date, 13.7 million passengers went through YVR, up from 13.5 million for the same period in 2012.

## c) Richmond Hotel Room Revenuexii



- At \$92.1 million, Richmond hotel room revenue for 2013 for the first 7 months of 2013 is up from the \$74.4 million registered for the same 7-month period in 2012.
- Note: an error in the collection of the AHRT in 2013 has been identified by the Province of BC. It is therefore expected that spikes in individual months in 2013 will be offset through a correction in the remittances for the following months in 2013.

Details of the economic indicators are provided in Appendix 1.

#### **Financial Indicators**

There are several financial indicators that signal the viability of the City of Richmond including the operating activity, active capital projects, the cash, and investment portfolio. The operating activity shows the results of operations through the analysis of revenues and expenditures. The active capital projects details the current commitment of capital funding and future resource requirements. The cash and investment portfolio portrays the current investment mix and average yield.

## **Operating Activity**

The anticipated surplus for December 31, 2013 is \$6.8M. This figure is forecast based on anticipated activity and may change with varying weather conditions, construction activity or other non-controllable events.

At the December 10, 2012 Council meeting, Council approved the establishment of the Rate Stabilization Account (RSA). Any arising surplus from the general fund will be transferred to the RSA to be used in future years to minimize any tax increases or to offset any one time expenditure requests.

Statement of (net revenues) expenditures

| Operating Budget (000's) General Fund | Budget<br>2013* | Actuals<br>September<br>30, 2013 ** | Variance as<br>at<br>September<br>30, 2013 | Projected<br>Surplus for<br>December<br>31, 2013 |
|---------------------------------------|-----------------|-------------------------------------|--|--|
| RCMP                                  | \$28,948        | \$25,007                            | \$3,941                                    | \$2,701  |
| Fire Rescue                           | 22,818          | 21,372                              | 1,446                                      | 1,166  |
| Community Services                    | 25,917          | 25,263                              | 654  | 84   |
| Engineering and Public Works          | 22,706          | 21,895                              | 811  | 523  |
| Finance and Corporate Services        | 12,556          | 11,292                              | 1,264                                      | 586  |
| Library                               | 6,019           | 5,913                               | 106  | 5  |
| Planning and Development              | 4,555           | 2,344                               | 2,211                                      | 729  |
| Corporate Administration              | 5,426           | 4,340                               | 1,086                                      | 417  |
| Law and Community Safety              | 3,175           | 2,497                               | 678  | 363  |
| Fiscal                                | (132,120)       | (148,060)                           | 15,940                                     | 245  |
| Total                                 | (\$0)           | (\$28,137)                          | \$28,137                                   | \$6,819  |

<sup>\*</sup> The 2013 Budget amount represents the prorated annual budget to September 30, 2013 adjusting for the timing of certain revenues and expenditures.

The City of Richmond's projected 2013 surplus is \$6.8M, up from the 2012 surplus of \$3.7M. The majority of the year over year difference relates to changes within RCMP and Fire Rescue.

The following are the explanations for net expenditure variances at the departmental/divisional level:

• The RCMP is forecasted to be \$2.7M under budget mainly due to lower than expected police salaries and a reduction in the RCMP divisional administration.

<sup>\*\*</sup> The 2013 Actuals include, where applicable, accruals and estimates for revenues and expenditures.

- Richmond Fire Rescue is expected to have a surplus of \$1.17M due to 15 vacancies. Recruiting is currently on-going and positions are expected to be filled in the first quarter of 2014.
- Community Services was slightly under budget at the end of the 3<sup>rd</sup> quarter due to timing of contract and other operating expenditures and is expected to be on budget for year end.
- Engineering & Public Works are due to be on budget by the end of the year.
- Finance and Corporate Services has a favourable variance due to higher business licences revenue relative to budget, vacancies within the Finance Division and savings in maintenance and consulting contract costs in IT.
- Library is on budget for the 3<sup>rd</sup> quarter.
- Planning and Development has realized higher than anticipated Building Permit revenue for the 3<sup>rd</sup> quarter. The favourable variance is based on a stronger than anticipated housing market, particularly in the multi-residential applications. It is anticipated the construction activity will remain stable with the potential moderate increase in the housing market.

There is a favourable variance in development application revenue for the 3rd quarter due primarily to large servicing agreements associated with a number of substantial development applications. It is anticipated that development activity will remain relatively stable during the 4th quarter of 2013, although application submissions are anticipated to slow given the amount of new residential units that are currently being marketed for sale in the City.

- Corporate Administration has a favourable variance due mainly vacant positions.
- Law and Community Safety has a favourable variance for the 3<sup>rd</sup> quarter due to vacancies and parking program revenue exceeding budget.
- Fiscal is forecasting a moderate surplus, as better than expected results from gaming revenue and rental properties will be offset by transfers to reserves at the end of the year.

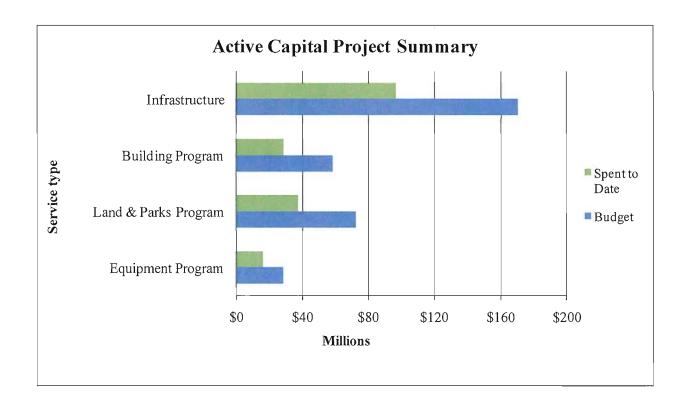
The net operating activity is the result of many revenue inputs and expenditure outputs. Key financial indicators that impact the net operating activity are provided in Appendix 2 as well as key statistical information.

## **Active Capital Project Summary**

The 2013 Capital Budget of \$65.8M (excluding internal payment transfers and debt repayments) are included in the figures below as are amounts relating to capital projects from previous years' Capital Budgets that remain active. The current balance committed to active capital projects is \$151.5M.

Statement of Active Capital Project Expenditures in \$'000s

|                      | Budget        | Spent to Date | Committed  |
|----------------------|---------------|---------------|------------|
| Infrastructure       | 170,474       | 96,491        | 73,983     |
| Land & Parks Program | 72,556        | 36,961        | 35,595     |
| Building Program     | 58,086        | 28,427        | 29,659     |
| Equipment Program    | 28,271        | 15,962        | 12,309     |
| Grand Total          | \$<br>329,387 | \$ 177,841    | \$ 151,546 |



Highlights of key capital projects can be found in Appendix 3.

## Cash and Investment Portfolio

The City's cash and investment portfolio on September 30, 2013 was \$744.4M, with an average yield on investment for the 3<sup>rd</sup> quarter of 1.73%. The current low interest rate environment and the City's cash flow projections have influenced the terms and types of investments that the City holds (Appendix 4).

Market Interest Rates (for analytical purposes only)

|                                      | September 30, 2013 |
|--------------------------------------|--------------------|
| 3 Month Government of Canada T-Bills | 0.98%              |
| 2 Yeas Government of Canada Bonds    | 1.21%              |
| 5 Year Government of Canada Bonds    | 1.89%              |
| 10 Year Government of Canada Bonds   | 2.57%              |

The global economic growth is expected to remain modest. U.S economic growth is softer than expected but is projected to pick up in 2014 and 2015. While China's economy is showing signs of momentum, a number of other emerging markets are seeing their economic growth slowing down as their financial conditions tightened. In Canada, uncertain global and domestic economic conditions led to lower economic activity than anticipated. Taking these and other factors into consideration, the Bank of Canada decided to maintain the benchmark overnight rate at 1.0% during its October 2013 interest rate announcement. It is anticipated that the interest rate environment will remain status quo for the rest of the year.

At the November 12, 2013 Council meeting, the Investment Policy (3703) was amended to enhance the portfolio distribution and investment flexibility. This will allow for the City's investment portfolio to carry a diversified investment mix with strong credit quality and at the same time meeting the objectives of managing its investment activities in a manner that seeks to preserve capital and to realize a reasonable rate of return.

## **Contract Awards**

This report provides Committee members with information on the formal contracts awarded by the City during the 3<sup>rd</sup> quarter. During this period, 56 contracts greater than \$25,000 were awarded totalling over \$9.09M (Appendix 5).

## **Financial Impact**

None.

#### **Conclusion**

The City of Richmond has maintained its strong financial position through the third quarter of 2013. Business activity remains strong, revenue collection is exceeding expectations and the building construction and development activity is consistent with previous years. There is a forecast surplus of \$6.8M that, once realized, will be transferred to the Rate Stabilization Account for future Council approval towards the minimization of the tax rate or one-time expenditures.

Cindy Gilfillan

Manager, Financial Reporting

(604) 276-4077

| Ecc  | onomic Indicators                    |           |           |                |               | September | · 30, 2013 |
|------|--------------------------------------|-----------|-----------|----------------|---------------|-----------|------------|
| Mad  | croeconomic Indicators & Fore        | cast      |           |                |               |           |            |
| 1) I | Real GDP - % Change                  | 2012      | 2013f     | Change         | 2014f         |           |            |
| (    | Canada                               | 1.7       | 1.6       | (5.9%)         | 2.2           |           |            |
| l    | United States                        | 2.8       | 1.6       | (42.9%)        | 1.6           |           |            |
| (    | China                                | 7.7       | 7.6       | (1.3%)         | 7.3           |           |            |
| 1    | India                                | 3.2       | 3.8       | 18.8%          | 5.1           |           |            |
| ١    | World                                | 3.2       | 2.9       | (9.4%)         | 3.6           |           |            |
| )    | Interest Rates (at YE)               | 2012      | 2013f     | Change         | 2014f         |           |            |
|      | Bank of Canada                       | 1.00      | 1.00      | 0.00           | 1.00          |           |            |
| l    | US FED                               | 0.25      | 0.25      | 0.00           | 0.25          |           |            |
| ) [  | Exchange Rate (at YE)                | 2012      | 2013f     | Change         | <b>201</b> 4f |           |            |
| (    | CAD/US                               | 1.01      | 0.94      | (6.9%)         | 0.94          |           |            |
| ≀eg  | ional and Local Market Indicate      | ors       |           |                |               |           |            |
| .) ı | Unemployment (%)                     | Q3-2013   | Q2-2013   | Change         | Q3-2012       | Change    |            |
| •    | Canada                               | 6.9       | 7.1       | (2.8%)         | 7.3           | (5.5%)    |            |
|      | BC                                   | 6.7       | 6.3       | 6.3%           | 6.9           | (2.9%)    |            |
|      | Metro Vancouver                      | 6.9       | 6.5       | 6.2%           | 7.1           | (2.8%)    |            |
| ) (  | CPI (2002=100)                       | Q3-2013   | Q2-2013   | Change         | Q3-2012       | Change    |            |
|      | Canada                               | 123.3     | 123.0     | 0.2%           | 122.0         | 1.1%      |            |
|      | BC                                   | 118.1     | 117.6     | 0.4%           | 118.1         | 0.0%      |            |
|      | Metro Vancouver                      | 119.6     | 119.0     | 0.5%           | 119.3         | 0.3%      |            |
| i) I | Housing Starts (Units)               | Q3-2013   | Q3-2012   | Change         | YTD-2013      | YTD-2012  | Change     |
| •    | Starts - Metro Vancouver             | 5,273     | 4,974     | 6.0%           | 13,951        | 14,881    | (6.2%      |
|      | Starts - Richmond                    | 435       | 482       | (9.8%)         | 1,085         | 1,230     | (11.8%     |
| ) [  | Richmond Residential Activity        | Q3-2013   | Q3-2012   | Change         | YTD-2013      | YTD-2012  | Change     |
| •    | Sales - Detached                     | 408       | 174       | 134%           | 1,000         | 777       | 29%        |
|      | Sales - Townhouse                    | 257       | 155       | 66%            | 694           | 581       | 199        |
|      | Sales - Apartment                    | 396       | 239       | 66%            | 1,064         | 881       | 219        |
|      | Sales Total                          | 1,061     | 568       | 87%            | 2,758         | 2,239     | 239        |
| ,    | Average Price - Detached (\$ at QE)  | 1,130,000 | 1,125,000 | 0.4%           | n/a           | n/a       | n/         |
|      | Average Price - Townhouse (\$ at QE) | 528,000   | 525,000   | 0.6%           | n/a           | n/a       | n/         |
|      | Average Price - Apartment (\$ at QE) | 358,000   | 325,000   | 10.2%          | n/a           | n/a       | n/         |
| ) [  | Richmond Building Permits            | Q3-2013   | Q3-2012   | Change         | YTD-2013      | YTD-2012  | Chang      |
|      | Building Permits - Residential       | 221       | 214       | 3.3%           | 598           | 605       | (1.2%      |
|      | Building Permits - Commercial        | 81        | 92        | (12.0%)        | 279           | 257       | 8.69       |
|      | Building Permits - Commercial        | 39        | 47        | (17.0%)        | 141           | 133       | 6.09       |
|      | Building Permits Total               | 341       | 353       | (3.4%)         | 1018          | 995       | 2.39       |
|      |                                      |           |           | nie o consider |               |           |            |
| (    | Construction Value (\$ million)      | 139.9     | 87.9      | 59.2%          | 387.0         | 345.9     | 11.99      |

## Regional and Local Market Indicators (continued)

| 9) Commercial Space (at QE) |                                      |         | Richmond |         |           | Metro Vancouver |         |  |
|-----------------------------|--------------------------------------|---------|----------|---------|-----------|-----------------|---------|--|
|                             |                                      | Q3-2013 | Q3-2012  | Change  | Q3-2013   | Q3-2012         | Change  |  |
|                             | Office Vacancy (%)                   | 16.7    | 20.1     | (16.9%) | 8.0       | 7.7             | 3.9%    |  |
|                             | Office Inventory (000 sf)            | 4,359   | 4,359    | 0.0%    | 52,991    | 52,289          | 1.3%    |  |
|                             | Industrial Vacancy (%)               | 4.9     | 2.7      | 81.5%   | 4.2       | 3.5             | 20.0%   |  |
|                             | Industrial Inventory (000 sf)        | 37,564  | 36,307   | 3.5%    | 193,557   | 190,283         | 1.7%    |  |
| 10)                         | Richmond Business Growth             | Q3-2013 | Q3-2012  | Change  | YTD-2013  | YTD-2012        | Change  |  |
|                             | Total Valid Business Licenses        | n/a     | n/a      | n/a     | 13,336    | 12,988          | 2.7%    |  |
|                             | New Licenses - Number Issued         | 426     | 384      | 10.9%   | 1,345     | 1,169           | 15.1%   |  |
|                             | New Licenses - Employees             | 1,237   | 1,135    | 9.0%    | 4,211     | 4,050           | 4.0%    |  |
|                             | New Licenses - Office Added (sf)     | 75,212  | 93,355   | (19.4%) | 239,220   | 274,245         | (12.8%) |  |
|                             | New Licenses - Retail Added (sf)     | 53,122  | 69,596   | (23.7%) | 163,762   | 162,339         | 0.9%    |  |
|                             | New Licenses - Industrial Added (sf) | 86,750  | 346,922  | (75.0%) | 710,763   | 592,325         | 20.0%   |  |
|                             | New Licenses Total Space Added (sf)  | 215,084 | 509,873  | (57.8%) | 1,113,745 | 1,028,909       | 8.2%    |  |
| 11)                         | Goods & People Movement              | Q3-2013 | Q3-2012  | Change  | YTD-2013  | YTD-2012        | Change  |  |
|                             | YVR Air Cargo (tones)                | 60,008  | 63,337   | (5.3%)  | 167,356   | 171,644         | (2.5%)  |  |
|                             | PMV Container Movement (TEUs)        | 754,081 | 713,368  | 5.7%    | 2,093,954 | 2,014,098       | 4.0%    |  |
|                             | YVR Passengers (million)             | 5.2     | 5.0      | 4.0%    | 13.7      | 13.5            | 1.5%    |  |
|                             | Richmond Hotel Revenue (\$ million)  | n/a     | n/a      | n/a     | 92.1      | 74.4            | 23.8%   |  |

#### Notes:

- a) numbers in blue and black denote positive trends
- b) numbers in red denote negative trends
- c) QE indicates Quarter-End
- d) YE indicates Year-End

#### List of Sources:

- 1) International Monetary Fund, World Economic Outlook (October, 2013)
- 2) US Federal Reserve, Bank of Canada and Royal Bank Research
- 3) Bank of Canada
- 4) 5) Stotistics Conada
- 6) CMHC
- 7) Real Estate Board of Greater Vancouver
- 8) City of Richmond Building Permits
- 9) Cushman & Wakefield Office and Industrial Market Beat Reports
- 10) City of Richmond Business Licenses
- 11) YVR & PMV Monthly Cargo Statistics

YVR Monthly Statistics

City of Richmond Additional Hotel Room Tax Ledger

| FINANCIAL INDICATORS  |                           |                              | an —     |                     | Septembe            | er 30, 2013 |
|---|---------------------------|------------------------------|----------|---------------------|---------------------|-------------|
|   | Q3 2013                   | Q3 2012                      |          | Year to Date        | Year to Date        |             |
| All \$ in 000s  | Jul - Sep 2013            | Jul - Sep 2013               | % Change | Jan-Sep 2013        | Jan-Sep 2012        | % change    |
| Development Cost Charges Income                                       |                           |                              |          |                     |                     |             |
| Roads, Water, Sewer DCC's Received                                    | \$3,550                   | \$955                        | 271.6%   | \$8,814             | \$6,951             | 26.89       |
| Parks DCC's Received  | \$1,434                   | \$1,090                      | 31.6%    | \$8,152             | \$9,719             | (16.1%      |
| Total DCC Fees Received   | \$4,984                   | \$2,046                      | 143.7%   | \$16,966            | \$16,669            | 1.89        |
| Uncommitted Reserves  |                           |                              |          |                     |                     |             |
| DCC Reserves to date  | \$47,468                  | \$24,279                     | 95.5%    | \$47,468            | \$24,279            | 95.5%       |
| Capital Funding Reserves to date                                      | \$100,065                 | \$54,659                     | 83.1%    | \$100,065           | \$54,659            | 83.19       |
| Affordable Housing Reserves to date                                   | \$8,720                   | \$1,869                      | 366.6%   | \$8,720             | \$1,869             | 366.69      |
| Other Reserves to date  | \$121,071                 | \$78,954                     | 53.3%    | \$121,071           | \$78,954            | 53.3%       |
| Total Uncommitted Reserves to date                                    | \$277,325                 | \$159,761                    | 73.6%    | \$277,325           | \$159,761           | 73.69       |
| Taxes to date   |                           |                              |          |                     |                     |             |
| Taxes Collected   | \$181,109                 | \$169,313                    | 7.0%     | \$345,281           | \$330,790           | 4.49        |
| City Portion of Taxes Collected                                       | \$88,743                  | \$82,963                     | 7.0%     | \$169,188           | \$162,087           | 4.49        |
| Unpaid Taxes - Delinquent & Arrears                                   | \$1,744                   | \$1,723                      | 1.2%     | \$1,744             | \$1,723             | 1.29        |
| No. of Participants on PAWS (Pre authorized withdrawal)               | 6,231                     | 6,019                        | 3.5%     | 6,231               | 6,019               | 3.59        |
|   |                           | · ·                          |          |                     | •                   |             |
| PAWS  | \$4,607                   | \$4,373                      | 5.3%     | \$15,695            | \$14,626            | 7.3%        |
| Interest Rate Paid to PAWS  | 1.00%                     | 1.00%                        | 0.0%     | 1.00%               | 1.00%               | 0.09        |
| Sources: All data is from City of Richmond records                    |                           |                              |          |                     |                     |             |
| Investments   |                           |                              |          |                     |                     |             |
| Total Investments   | \$744,441                 | \$632,886                    | 17.6%    | \$744,441           | \$632,886           | 17.6%       |
| Interest Earned on Investments  |                           |                              |          |                     |                     |             |
| Average City Rate of Return on Investments                            | 1.73%                     | 1.58%                        | 0.15%    | 1.73%               | 1.58%               | 0.15%       |
| Planning and Development  |                           |                              |          |                     |                     |             |
| Building Permit Fees Collected  | \$1,605                   | \$1,347                      | 19.1%    | \$4,303             | \$4,709             | (8.6%       |
| Development Applications Received                                     | 59                        | 54                           | 9.3%     | 1.57                | 170                 | (7.6%       |
| Development Applications Fees   | \$239                     | \$192                        | 24.8%    | \$651               | \$675               | (3.5%       |
| Revenue reported for Development Applications reflects deferred re    | venue adjustments for 2   |                              |          | ,                   | ,                   | •           |
| Business Licenses   |                           |                              |          |                     |                     |             |
| Revenue Received for Current Year Licenses                            | \$636                     | \$552                        | 15.2%    | \$3,045             | \$2,900             | 5.0%        |
| Revenue Received for Next Year (Deferred)                             | \$317                     | \$286                        | 10.7%    | \$567               | \$2,500<br>\$512    | 10.79       |
| Total License Revenue   | \$952                     | \$838                        | 13.6%    | \$3,612             | \$3,412             | 5.89        |
| Year to date valid licenses and revenue include current year licenses | ·                         | <b>7030</b>                  | 13.070   | 75,012              | <i>\$3</i> ,412     | 3.07        |
| ,   | assess in the prior year. |                              |          |                     |                     |             |
| Other Revenues Parking Program Revenue                                | \$505                     | \$454                        | 11.3%    | \$1,474             | \$1,226             | 20.39       |
| Gaming Revenue  | \$505<br>\$4,484          | \$45 <del>4</del><br>\$3,675 | 22.0%    | \$1,474<br>\$13,640 | \$1,226<br>\$11,980 | 13.99       |
| Traffic Fine Revenue to date  | \$4,464<br>\$1,118        | \$3,673<br>\$352             | 217.7%   | \$13,640<br>\$1,512 | \$1,534             | (1.4%       |
| Traine The Nevellue to date   | \$1,110                   | عودد ع                       | Z1/./70  | 21,312              | <b>Э</b> 1,ЭЭ4      | (1.4%       |

## KEY INDICATORS September 30, 2013

| All \$ in 000s   | Q3 2013<br>Jul - Sep 2013     | Q3 2012<br>Jul - Sep 2013 | % Change | Year to Date<br>Jan-Sep 2013 | Year to Date<br>Jan-Sep 2012 | % change |
|--|-------------------------------|---------------------------|----------|------------------------------|------------------------------|----------|
| Employees  |                               |                           |          |                              |                              |          |
| Number of City Employees (City and Library)  | 1,939                         | 1,899                     | 2.1%     | 1,939                        | 1,899                        | 2.1%     |
| Fire Rescue Responses  | 2,554                         | 2,534                     | 0.8%     | 7,139                        | 7,080                        | 0.8%     |
| RCMP - Calls for Service Handled   | 18,898                        | 18,268                    | 3.4%     | 52,476                       | 53,432                       | (1.8%)   |
| Affordable Housing   |                               |                           |          |                              |                              |          |
| Unspent Funds Allocated to Capital Projects to date  | \$11,071                      | \$10,442                  | 6.0%     | \$11,071                     | \$10,448                     | 6.0%     |
| *Note that the reduction in units relates to Affordable Housing value transi<br>Sources: All data is from City of Richmond records | fers that were originally inc | cluded in the inventory   | figure   |                              |                              |          |
| Richmond Population Estimate Year End**  | 2013                          |                           | 205,133  |                              |                              |          |
| **Note: BC Stats Population figures  | 2012                          |                           | 201,471  |                              |                              |          |

## **Capital Project Highlights**

## **Infrastructure Highlights:**

Westminster Hwy: Nelson Rd. to McMillan Way – Widening Westminster Hwy:

- Approved Budget: \$10.4M (2011)
- 25% Complete
- Preload works are continuing. The main road construction contract has been awarded, and will commence once the preload settlement is complete.

Nelson Road Improvements – Widening Nelson Road between Blundell Road and Westminster Highway:

- Approved Budget: \$4.1M (2011)
- Design Complete
- The main road construction contract has been awarded. Property approvals are being finalized, and the start of construction is expected in the November/December timeframe.

Asphalt Re-paving Program (MRN and Non-MRN):

- Approved Budget: \$3.9M (2013)
- 75% Complete
- This project consists of the repaving of the City's roads in order to minimize the overall life cycle cost of the road network.

## No. 1 Road Drainage Pump Station:

- Approved Budget: \$3.45M (2010)
- 99% Complete
- The pump station is fully operational. The architectural feature panels are being finalized, with installation scheduled for December.

Steveston Drainage Area Replacement and Upgrades – Williams Road West Drainage Pump Station Upgrade:

- Approved Budget: \$2.0M (2011)
- 98% Complete
- This project has been substantially completed, including installation of a water bottle filling station. The architectural screen panels are being fabricated, with installation scheduled for December.

## No. 6 Road Widening:

- Approved Budget: \$1.7M (2011)
- Design Complete
- The construction tender is closing in November, with the start of construction scheduled for December.

## **Building Highlights:**

#### Interurban Tram Structure:

- Approved Budget: \$1.9M (2010)
- *100% Complete*
- Construction of the new structure which will house the Interurban Tram Car in Steveston Park is complete as of March 2013. The Interurban Tram Car 1220 has been moved into the building. The building will permit the restoration of the Tram Car as well as viewing by the public.

## Hamilton Childcare Centre:

- Approved Budget: \$1.8M (Land value \$480K) (2010)
- 30% Complete
- As part of the development application by TransLink, land and funding was received to design and build a facility for childcare services. The Building Permit has been issued and the Contractor, Pro Can Construction Group, is currently working on site servicing and building foundations. There is a Servicing Agreement in process with TransLink to complete frontage improvements. Completion is scheduled for summer 2014 to accommodate the child care provider's needs.

## Britannia Heritage Shipyards – Seine Net Loft:

- Approved Budget: \$1.2M (2010)
- 100% Complete
- The Seine Net Loft design was finalized with the Building Advisory Committee. The heritage restoration and life safety upgrade project started in early 2013. Construction was substantially complete in September, 2013 and the City has already hosted several community events in the building.

## **Community Services / Parks Highlights:**

## Railway Greenway:

- Approved Budget: \$2.2M (2013)
- 90% Complete
- The major trail construction work is completed. Work is proceeding on intersection improvements and the Branscombe House site with completion expected in December 2013.

## Terra Nova Heritage Building Restorations:

- Approved Budget: \$2.0M (2005)
- 75% Complete
- Construction in progress at the Cannery Store, Cannery House & the Edwardian Cottage.

## Terra Nova Play Environment:

- Approved Budget: \$1.0M (2012)
- 50% Complete
- Construction is underway with the play environment base preparations and play box installations. Play equipment have been ordered and will be installed later in the fall. Construction is expected to be complete by year end.

#### Oval West Waterfront Park:

- Approved Budget: \$850K (2012)
- 70% Complete
- Tender process completed and awarded to Wilco Construction for development of the waterfront park adjacent to the Richmond Oval. Construction is underway and expected to be completed by December.

## Britannia Heritage Shipyards, Boardwalks Restoration:

- Approved Budget: \$100K (2013)
- 75% Complete
- Construction is underway for the replacement of the timber boardwalks along the main trail of the heritage shipyards site.

## Garden City Community Park:

- Approved Budget: \$500K (2012)
- 20% Complete
- Design Completed. Excavation and rough grading preparations are underway at this new bike park location.

## The Gardens Agricultural Park:

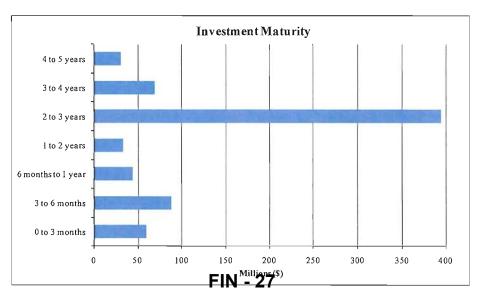
- Approved Budget: \$316K (2012)
- 10% Complete
- City construction of parks works for Phase 1 will be coordinated with works to be completed under a Servicing Agreement with Townline Homes. Construction of the Servicing Agreement works is scheduled to begin in November 2013 and completed by the end of the year.

## Thompson Youth Park, Phase 3:

- Approved Budget: \$300K (2013)
- 5% Complete
- Design for the third phase began in October with construction expected to begin in the Spring of 2014.

# Cash and Investment Portfolio September 30, 2013 (in 000's)

| Issuer    |   |       | Amount  | % of Portfoli   |
|-----------|---|-------|---------|-----------------|
|           |   |       |         |                 |
| Fe de ral | Government and Federal Crown Corporations         |       |         |                 |
|           | Canadian Mortgage and Housing Corporation         | \$    | 373,714 | 50.20%          |
|           | Government of Canada                              | \$    | 14,167  | 1.90%           |
|           | Total   | \$    | 387,881 | 52.10%          |
| Provinc   | ial Governments and Provincial Crown Corporations | 4 486 |         | F-5766-1        |
|           | Province of Ontario                               | \$    | 105,947 | 14.23%          |
|           | Province of New Brunswick                         | \$    | 23,995  | 3.22%           |
|           | Financement Quebec                                | \$    | 21,089  | 2.83%           |
|           | Total   | \$    | 151,031 | 20.29%          |
| Schedul   | le I Banks  | 机合物   |         |                 |
|           | TD Financial                                      | \$    | 23,614  | 3.17%           |
|           | Scotia Bank                                       | \$    | 22,585  | 3.03%           |
|           | Royal Bank  | \$    | 15,706  | 2.11%           |
|           | Canadian Western Bank                             | \$    | 10,000  | 1.34%           |
|           | CIBC  | \$    | 8,991   | 1.21%           |
|           | Bank of Montreal                                  | \$    | 5,135   | 0.69%           |
|           | Total   | \$    | 86,031  | 11.56%          |
|           |   | 188   |         | # 37 ME 1       |
| Credit l  | Unions  |       |         |                 |
|           | Vancity Savings Credit Union                      | \$    | 29,765  | 4.00%           |
|           | Gulf & Fraser Financial Group                     | \$    | 29,099  | 3.91%           |
|           | Coast Capital Savings                             | \$    | 10,337  | 1.39%           |
|           | Total   | \$    | 69,201  | 9.30%           |
| Pooled    | Investments                                       | 180-1 |         | 50.00000 - 1000 |
|           | Municipal Finance Authority                       | \$    | 21,904  | 2.94%           |
|           | Total   | \$    | 21,904  | 0               |
|           | ivestments  | \$    | 716,048 |                 |
|           | ash & Cash Equivalents                            | S     | 28,392  | 3.81%           |
| Total R   | eported Investments and Cash & Cash Equivalents   | \$    | 744,440 |                 |



# **Contract Awards > \$25,000**July 1<sup>st</sup>, 2013 to September 30<sup>th</sup>, 2013

| Item | Contract Name and Description   | Award                                  | Amount                                      | Department                    |
|------|---|--|---|-------------------------------|
| 1.   | 4785 T - General Contractor for the construction of Hamilton Child Daycare Facility   | Pro-Can Construction<br>Group          | \$1,330,000                                 | Engineering &<br>Public Works |
| 2.   | 4790 P - Caretaker for Richmond Compost<br>and Waterwise Demonstration Gardens and<br>Workshop Instructor for Composting and<br>Waterwise Gardening | Urban Agriculture<br>Consulting Inc    | \$122,949                                   | Engineering &<br>Public Works |
| 3.   | 4792 Q - Security Services - City Hall  | Premier Security Inc.                  | \$141,050                                   | Engineering &<br>Public Works |
| 4.   | 4793 P - 2013 Sanitary Design Services for Bennett pump station, Acheson force main and Hazelbridge gravity sewer.                                  | Opus Dayton Knight<br>Consultants Ltd. | \$212,512                                   | Engineering &<br>Public Works |
| 5.   | 4794 P - Bath Slough Drainage Pump<br>Station Upgrade   | Opus Dayton Knight<br>Consultants Ltd. | \$346,505                                   | Engineering &<br>Public Works |
| 6.   | 4804 Q - Supply and Delivery of Two (2)<br>Portable Changeable Message Sign Trailers  | Roadway Traffic<br>Products            | \$62,500                                    | Engineering &<br>Public Works |
| 7.   | 4805 Q - Supply and delivery of Vacuum<br>Street Sweeper  | Vimar Equipment Ltd                    | \$247,951                                   | Engineering &<br>Public Works |
| 8.   | 4821 T - Voyageur Way and Simpson Road<br>Watermain Construction  | Sandpiper Contracting LLP              | \$471,149                                   | Engineering &<br>Public Works |
| 9.   | 4839 Q - General Contractor for<br>Watermania 2013 Capital Project  | Smith Bros and<br>Wilson               | \$836,200                                   | Engineering &<br>Public Works |
| 10.  | 4840 Q - Exterior Re-Painting of Facilities<br>2013   | Combined Painting and Westcan Painting | \$46,764.91<br>Combined<br>\$23,062 Westcan | Engineering &<br>Public Works |
| 11.  | 4852 P - Design Build Services for<br>Playground Upgrades   | Habitat Systems Inc                    | \$285,478                                   | Community Services            |
| 12.  | 4859 P - Engineering Design Services for<br>Multi-Family Water Metering   | Delcan Corporation                     | \$100,000                                   | Engineering &<br>Public Works |
| 13.  | 4868 Q - Supply and Delivery of One (1)<br>Minivan  | Dams Ford Lincoln<br>Sales             | \$26,355                                    | Engineering &<br>Public Works |
| 14.  | 4869 Q - Supply and Delivery of one (1) 3/4 ton crew cab pick up  | Carter Chevrolet<br>Cadillac Buick GMC | \$31,065                                    | Engineering &<br>Public Works |
| 15.  | 4871 Q - Supply and Delivery of one (1)<br>Mobile Wheel Contact Lifting System  | West Vac Industrial<br>Ltd             | \$62,250                                    | Engineering & Public Works    |
| 16.  | 4872 Q - Supply and Delivery of One Mini<br>Van   | Dams Ford Lincoln<br>Sales             | \$29,720                                    | Engineering & Public Works    |
| 17.  | 4877 EOI - Hansen Upgrade-Works Yard  | Dexter Consultants                     | \$60,000                                    | Engineering & Public Works    |
| 18.  | 4878 Q - Oval Way Road Widening RFQ   | Hexcel Construction Ltd.               | \$67,363                                    | Engineering & Public Works    |

# **Contract Awards** > **\$25,000**July 1<sup>st</sup>, 2013 to September 30<sup>th</sup>, 2013

| Item | Contract Name and Description  | Award  | Amount    | Department                    |
|------|--|--|-----------|-------------------------------|
| 19.  | 4881 P - Design-Build Services for Hamilton Community Park   | RecTec Industries                            | \$104,185 | Community Services            |
| 20.  | 4885 Q - Supply and Delivery of Four (4) 3/4 Ton Crew Cab Trucks   | Dueck Richmond GM                            | \$177,419 | Engineering & Public Works    |
| 21.  | 4889 Q - Replacement of Movable<br>Partitions at Steveston Community Centre<br>and Japanese Culture Centre   | Richelieu Building<br>Specialities           | \$73,656  | Engineering &<br>Public Works |
| 22.  | 4951 J - JOC PW2012.11.1 - Install 6" water meter in underground chamber at 8080 Bennett Rd, as part of Multi-Family Water Meter Program                       | Ashton Service Group                         | \$36,768  | Engineering &<br>Public Works |
| 23.  | 4954 F - Remount the production known as 'Salmon Row' in the summer of 2013  | Mortal Coil<br>Performance Society           | \$100,000 | Community Services            |
| 24.  | 4955 F - Consulting services for the<br>Lansdowne Village West Blocks<br>Transformation Project  | IBI Group                                    | \$50,000  | Community Services            |
| 25.  | 4958 EOI - Custom Design and build playground equipment for Terra Nova Rural Park Play Environment   | LMN23  | \$500,000 | Community Services            |
| 26.  | 4959 F - Vertical wheelchair lift for 4033<br>Stolberg Road, West Cambie Childcare   | Garaventa Lift Ltd.                          | \$27,950  | Engineering & Public Works    |
| 27.  | 4964 Q - Supply and Installation of New Lighting Dimmer and Track System at the Richmond Art Gallery   | PVL Projects                                 | \$75,274  | Engineering &<br>Public Works |
| 28.  | 4968 EOI - Delivery of advanced lifesaving, lifeguarding, instructional, first aid and recertification courses, as well as staff inservice training components | LIT Aquatics                                 | \$254,432 | Community Services            |
| 29.  | 4969 F - West Rmd Community Centre building envelope repair - roof membrane  | Stuart Olson<br>Dominion<br>Construction Ltd | \$254,432 | Engineering &<br>Public Works |
| 30.  | 4970 F - West Richmond Community<br>Centre Building improvement 2013- Gym<br>Flooring  | Stuart Olson<br>Dominion<br>Construction Ltd | \$56,975  | Engineering &<br>Public Works |
| 31.  | 4971 F - West Richmond Community<br>Centre Building Envelope Repair -<br>scaffolding   | Stuart Olson<br>Dominion<br>Construction Ltd | \$94,000  | Engineering &<br>Public Works |
| 32.  | 4972 F - Design services for new bike terrain park at Garden City Community Park.  | Hoots Bicycle<br>Accessories                 | \$96,615  | Community Services            |
| 33.  | 4975 Q - ROO Phase 3 - Mezzanine Infill - Glazing  | Stuart Olson Dominion Construction Ltd       | \$53,902  | Engineering &<br>Public Works |
| 34.  | 4980 F - Britannia Heritage Shipyard - Life safety Upgrade including seismic upgrade, fire protection and monitoring   | Penta Builders Group                         | \$72,000  | Engineering &<br>Public Works |

# **Contract Awards > \$25,000**July 1<sup>st</sup>, 2013 to September 30<sup>th</sup>, 2013

| Item | Contract Name and Description  | Award   | Amount    | Department                        |
|------|--|---|-----------|-----------------------------------|
| 35.  | 4981 Q - ROO Phase 3 - Mezzanine Infill - Structural Steel   | Stuart Olson<br>Dominion<br>Construction Ltd  | \$289,788 | Engineering &<br>Public Works     |
| 36.  | 4982 Q - ROO Phase 3 - Mezzanine Infill - Scaffolding  | Matakana Scaffolding                          | \$48,734  | Engineering & Public Works        |
| 37.  | 4985 Q - West Richmond Community<br>Centre Building Envelope Repair - stucco   | Stuart Olson<br>Dominion<br>Construction Ltd  | \$363,975 | Engineering &<br>Public Works     |
| 38.  | 4986 Q - West Richmond Community<br>Centre Building Envelope Repair - External<br>Windows/Doors                                      | Stuart Olson Dominion Construction Ltd        | \$363,975 | Engineering &<br>Public Works     |
| 39.  | 4987 Q - West Richmond Community<br>Center - Building envelope repair  | Stuart Olson<br>Dominion<br>Construction Ltd  | \$112,463 | Engineering &<br>Public Works     |
| 40.  | 4988 EOI - PeopleSoft Financials and Supply Chain Management Release 9.0 functional Consultant                                       | Beyond tech solutions                         | \$67,600  | Finance and Corporate<br>Services |
| 41.  | 4989 F - SA10 - 542184 - 10266 and 10288 River Drive - New sanitary service connections to remove pot to pot connections             | Performance Contracting Ltd.                  | \$26,030  | Engineering & Public Works        |
| 42.  | 5003 F - ROO Phase 3 - Mezzanine Infill - Drywall  | Stuart Olson<br>Dominion<br>Construction Ltd. | \$68,221  | Engineering &<br>Public Works     |
| 43.  | 5007 F - Minoru Chapel - Heritage Plan,<br>Structural Assessment and Updated<br>Statement of Significance                            | The Andrews<br>Architects Inc.                | \$25,000  | Engineering & Public Works        |
| 44.  | 5008 F - Supply of lights and fixtures for exterior re-lamping project   | Commercial Lighting<br>Products               | \$62,761  | Engineering & Public Works        |
| 45.  | 5009 F - Labour for installation/replacement of lights and fixtures for City Hall relamping project including fixtures beyond repair | Sparky Electric                               | \$57,682  | Engineering &<br>Public Works     |
| 46.  | 5010 F - West Richmond Community<br>Centre Building Envelope Repair - External<br>Drywall  | Stuart Olson<br>Dominion<br>Construction Ltd  | \$330,281 | Engineering &<br>Public Works     |
| 47.  | 5011 F – ROO Phase 3 - Mezzanine Infill - Electrical   | Stuart Olson<br>Dominion<br>Construction Ltd  | \$133,034 | Engineering &<br>Public Works     |
| 48.  | 5012 F - Priority Management Working<br>Smart with MS Outlook Training   | Priority Management<br>Systems (Canada)       | \$30,000  | Human Resources                   |
| 49.  | 5014 F - Aquatic Centre/Older Adults<br>Centre Sitting Feasibility and Analysis  | Hughes Condon<br>Marler                       | \$30,000  | Engineering & Public Works        |
| 50.  | 5015 J - JOC PD2013.05 Emergency<br>replacement of failed evaporative condenser<br>at Richmond Ice Centre                            | Ashton Service Group                          | \$235,171 | Engineering &<br>Public Works     |

## Contract Awards > \$25,000

July 1<sup>st</sup>, 2013 to September 30<sup>th</sup>, 2013

| Item | Contract Name and Description   | Award  | Amount    | Department                    |
|------|---|--|-----------|-------------------------------|
| 51.  | 5016B F - Hydro Seeding   | Terrasol Environment Inc.                    | \$39,350  | Community Services            |
| 52.  | 5018 F - Performance Objects System<br>Renewal  | Performance Objects                          | \$28,500  | Human Resources               |
| 53.  | 5019 F - Elevator hoist way construction  | IDR Commercial<br>Construction               | \$37,302  | Engineering &<br>Public Works |
| 54.  | 5020 F - Landscape Architectural Services<br>for the Gardens Agricultural Park - Phase 1  | R. Kim Perry &<br>Associates Inc             | \$34,565  | Community Services            |
| 55.  | 5021 J - JOC PW2013.16.01 - install 6"<br>water meter in underground chamber at<br>3031 Williams Rd, as part of Multi-Family<br>Water Meter Program | Ashton Service Group                         | \$43,804  | Engineering &<br>Public Works |
| 56.  | 5024 F - ROO Phase 3 - Mezzanine Infill - Mechanical  | Stuart Olson<br>Dominion<br>Construction Ltd | \$132,063 | Engineering &<br>Public Works |

<sup>&</sup>lt;sup>i</sup> International Monetary Fund, World Economic Outlook (October, 2013) <sup>ii</sup> US Federal Reserve, Bank of Canada and Royal Bank Research

iii Bank of Canada

iv Statistics Canada

v CMHC

vi Real Estate Board of Greater Vancouver

vii City of Richmond Building Permits

viii Cushman & Wakefield Office and Industrial Market Beat Reports

ix City of Richmond Business Licenses

<sup>&</sup>lt;sup>x</sup> YVR & PMV Monthly Cargo Statistics

xi YVR Monthly Statistics

xii City of Richmond Additional Hotel Room Tax Ledger; revenue reverse calculated based on AHRT receipts representing 2% of total hotel room revenue; AHRT remittances and payments to Richmond to have a 2-month lag.