



## General Purposes Committee

Anderson Room, City Hall  
6911 No. 3 Road

Monday, June 6, 2016

Immediately Following the Special (Open) Council Meeting

Pg. #      ITEM

### MINUTES

**GP-3**      *Motion to adopt the **minutes** of the meeting of the General Purposes Committee held on May 16, 2016.*



### DEPUTY CAO'S OFFICE

1. **CANADA 150 COMMUNITY INFRASTRUCTURE PROGRAM  
SUBMISSION: SECOND INTAKE**  
(File Ref. No. 03-1087-34-01) (REDMS No. 5027749 v. 3)

**GP-5**

**See Page GP-5 for full report**

*Designated Speaker: Amarjeet S. Rattan*

### STAFF RECOMMENDATION

- (1) *That the following projects be approved for submission to Western Economic Diversification Canada for funding consideration under the Canada 150 Community Infrastructure Program Fund:*
  - (a) *South Arm Community Centre Upgrade;*
  - (b) *Steveston Pool Lining Repairs;*
  - (c) *Middle Arm Park Upgrade: Hollybridge Pier;*
  - (d) *Railway Greenway Trail Upgrade;*

- (e) *Track Zone Synthetic Floor Improvements: Richmond Olympic Oval;*
- (f) *Brighthouse Park Fieldhouse Upgrade;*
- (g) *Lang Park Redevelopment – Park Characterization;*
- (h) *Facility Energy Management Program;*
- (i) *Sports Field Upgrade: Richmond Olympic Oval;*
- (j) *Solar PV Array Installation: Fire Hall No.1;and*
- (2) *That the Chief Administrative Officer and the General Manager of Community Services, be authorized to enter into funding agreements with the Government of Canada for the above mentioned projects that are approved for funding by the Government of Canada.*

☐

ADJOURNMENT

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## General Purposes Committee

Date: Monday, May 16, 2016

Place: Anderson Room  
Richmond City Hall

Present: Mayor Malcolm D. Brodie, Chair  
Councillor Chak Au  
Councillor Derek Dang  
Councillor Carol Day  
Councillor Ken Johnston  
Councillor Alexa Loo  
Councillor Bill McNulty  
Councillor Linda McPhail  
Councillor Harold Steves

Call to Order: The Chair called the meeting to order at 4:00 p.m.

### MINUTES

It was moved and seconded

*That the minutes of the meeting of the Special General Purposes Committee held on May 9, 2016, be adopted as circulated.*

**CARRIED**

### ENGINEERING AND PUBLIC WORKS DIVISION

1. **CLIMATE ACTION REVENUE INCENTIVE PROGRAM AND CARBON NEUTRAL PROGRESS – UPDATE**  
(File Ref. No. 10-6000-01) (REDMS No. 4991774 v. 17; 4984961 v. 4; 4991775)

## General Purposes Committee

Monday, May 16, 2016

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In response to queries from Committee, Levi Higgs, Corporate Energy Manager accompanied by Peter Russell, Senior Manager, Sustainability and District Energy provided clarification on the management of Parrot's feather, an invasive species often found in aquariums and public reporting as a requirement in receiving carbon tax funds. Mr. Higgs and Mr. Russell also provided comments on the Northeast Bog project.

It was moved and seconded

- (1) *That the 2015 Climate Change Action Charter information, identified in the Climate Action Revenue Incentive Program (CARIP) and Carbon Neutral Progress Report from the Director, Engineering dated April 27, 2016, be received for information.*
- (2) *That, in accordance with Provincial requirements, the CARIP Report and Carbon Neutral Progress Report be posted on the City's website for public access.*

**CARRIED**

## ADJOURNMENT

It was moved and seconded

*That the meeting adjourn (4:03 p.m.).*

**CARRIED**

Certified a true and correct copy of the Minutes of the meeting of the General Purposes Committee of the Council of the City of Richmond held on Monday, May 16, 2016.

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Mayor Malcolm D. Brodie  
Chair

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Amanda Welby  
Acting Legislative Services Coordinator



# City of Richmond

## Report to Committee

**To:** General Purposes Committee  
**From:** Amarjeet Rattan  
Director, Intergovernmental Relations & Protocol Unit  
**Date:** May 31, 2016  
**File:** 03-1087-34-01/2015-Vol 01  
**Re:** Canada 150 Community Infrastructure Program Submission: Second Intake

### Staff Recommendation

1. That the following projects be approved for submission to Western Economic Diversification Canada for funding consideration under the Canada 150 Community Infrastructure Program Fund:
  - a. South Arm Community Centre Upgrade
  - b. Steveston Pool Lining Repairs
  - c. Middle Arm Park Upgrade: Hollybridge Pier
  - d. Railway Greenway Trail Upgrade
  - e. Track Zone Synthetic Floor Improvements: Richmond Olympic Oval
  - f. Brighthouse Park Fieldhouse Upgrade
  - g. Lang Park Redevelopment – Park Characterization
  - h. Facility Energy Management Program
  - i. Sports Field Upgrade: Richmond Olympic Oval
  - j. Solar PV Array Installation: Firehall No.1
2. That the Chief Administrative Officer and the General Manager of Community Services, be authorized to enter into funding agreements with the Government of Canada for the above mentioned projects that are approved for funding by the Government of Canada.

Amarjeet Rattan  
Director, Intergovernmental Relations & Protocol Unit

REPORT CONCURRENCE		
<b>ROUTED TO:</b> Engineering Finance Parks Services Recreation and Sport Services Richmond Olympic Oval	<b>CONCURRENCE</b> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<b>CONCURRENCE OF GENERAL MANAGER</b>   
<b>REVIEWED BY STAFF REPORT / AGENDA REVIEW SUBCOMMITTEE</b>	<b>INITIALS:</b> DW	<b>APPROVED BY CAO</b> 



## **Staff Report**

### **Origin**

The Canada 150 Community Infrastructure Program (CIP 150) is part of Canada 150 Celebrates, the Government of Canada's celebration of the country's 150th anniversary of Confederation. Through investments in community infrastructure, the Government of Canada will invest in projects that celebrate Canadian heritage, create jobs, and improve the quality of life for Canadians.

In the second call for proposals, Western Economic Diversification Canada (WD) has received an additional \$46.2 million in funding through Budget 2016, as part the CIP 150. WD is seeking new applications, but the program has a short window of opportunity (Tuesday, May 24 - Wednesday, June 22, 2016).

Based on the new funding criteria, staff have identified up to ten projects for submission and is requesting Council's approval to submit applications to WD for funding consideration. Due to the timing of the CIP 150 application process, only projects with funding allocated prior to June 22, 2016 will be eligible for consideration by WD.

City submissions to WD will also be shared with Richmond's MPs, MLAs and other key Federal Government staff. Letters of support from elected officials and stakeholder groups will be requested.

### **Council Term Goals**

This report supports Council's Term Goal #5: Partnerships and Collaboration

*Continue development and utilization of collaborative approaches and partnerships with intergovernmental and other agencies to help meet the needs of the Richmond community.*

This report supports Council's Term Goal #6: Quality Infrastructure Networks

*Continue diligence towards the development of infrastructure networks that are safe, sustainable, and address the challenges associated with aging systems, population growth, and environmental impact.*

### **Findings of Fact**

In May 2015, the Government of Canada, through WD, announced the first intake of applications for Western Canada for \$46.2 million for the CIP 150 Fund. The City of Richmond received funding for four projects from that intake, totaling \$556,200.

WD is now seeking new applications under a second call for proposals and staff are recommending ten projects for submission. The current request for funding is up to \$2,922,500.

Priorities for Current Call for Proposals:

Under the second call for proposals, the priorities are specific. The funding for the CIP 150 is provided for information in Attachment 1. Funding will be given to:

- Recreational facilities;
- Projects that support a clean growth economy (i.e., energy efficiency upgrades); and/or,

- Projects that support Indigenous communities and peoples.

Eligible projects must meet the following criteria:

- The amount of funding being requested under CIP 150 cannot exceed 50% of the total costs of a project, up to a maximum of \$500,000;
- The maximum contribution from all Government of Canada sources (including CIP 150 and other sources such as the Gas Tax Fund) cannot exceed 50% of the total costs of a project;
- The rehabilitation, renovation, or expansion of existing infrastructure must be for public use or benefit; new construction is not eligible.
- Must be community-oriented, non-commercial in nature and open for use to the public and not limited to a private membership;
- Must be for facilities located in Western Canada (British Columbia, Alberta, Saskatchewan or Manitoba); and,
- Must be materially complete by March 31, 2018.

Priority will also be given to projects that start quickly, could be completed by fall 2017 and are seeking less than 50% of the total project costs from CIP 150.

Priority categories relevant for Richmond are outlined below:

#### A. Recreational Facilities

Priority will be given to sport and recreation facilities, such as swimming pools, parks, recreational trails such as fitness trails, bike paths and other types of trails; sports fields; arenas (indoor and outdoor arenas); gymnasiums; tennis, basketball, volleyball or other sport-specific courts; curling rinks; playgrounds; waterpark/spray park; and multi-purpose facilities (e.g., community recreation or friendship centres).

Other non-recreational facilities identified as eligible projects will be given lower priority.

#### B. Advancing a Clean Growth Economy

Clean technology refers to any technology product/process that improves environmental performance relative to the standard/most commonplace technology and reduces negative impacts on the environment.

Priority will be given to infrastructure improvements that:

- Diversifying the sources of energy supply and distribution (e.g., installing solar panels as an energy supply option);
- Reducing the energy, water and other material inputs of a system (e.g., replacing a community pool liner to reduce water leakage);
- Increasing the productivity of energy and material inputs of a system (including improving the energy efficiency of existing infrastructure) (e.g., installing a new energy efficient furnace);
- Reducing or eliminating the emission of waste or contaminants that impair the environment (e.g., replacing an arena ice plant that reduces hazardous waste); and/or,
- Improving measurement or monitoring systems or processes that facilitate any of the above.



## Analysis

Based on the CIP 150 funding criteria, Richmond has numerous projects currently in the planning stages. The application guide funding criteria for the CIP 150 is included for reference (Attachment 1).

According to Government of Canada guidelines, the landowner must be the grant applicant. Therefore, the City of Richmond must be the applicant for all submissions on City owned land. If there is proof of a long term lease with a community partner, then the City can have a co-applicant for funding.

Through consultation across City departments, the following shovel ready projects are recommended:

Project Request	Lead/ Stakeholder	Category	Approved/ Estimated Eligible Project Cost	Additional Partner Funding	Canada 150 Request
1. South Arm Community Centre Upgrade	Project Development	Recreation Facilities	\$1,125,000 City of Richmond 2015 Capital Budget: \$650,000 Approved	\$475,000 South Arm Community Association	\$500,000
2. Steveston Pool Lining Repair	Project Development	Recreation Facilities and Advancing Clean Growth Economy	\$450,000 Approved by Council, May 2016		\$225,000
3. Middle Arm Park Upgrade: Hollybridge Pier	Parks	Recreation Facilities	\$1,500,000 City of Richmond 2013 Capital Budget, Approved		\$500,000
4. Railway Greenway Trail Upgrade	Parks	Recreation Facilities	\$440,000 City of Richmond 2013 Capital Budget Approved		\$220,000
5. Track Zone Synthetic Floor Improvements Richmond Olympic Oval	Oval	Recreation Facilities	\$252,000 Approved by Council, March 2016 Approved by Oval Board January 2016	\$126,000 Richmond Olympic Oval	\$126,000
6. Brighthouse Park Fieldhouse Upgrade	Project Development	Recreation Facilities	\$250,000 City of Richmond 2016 Capital Budget, Approved		\$125,000
7. Lang Park Re-development – Park Characterization	Parks	Recreation Facilities	\$1,200,000 City of Richmond 2015 Capital Budget, \$800,000 Approved		\$400,000
8. Facility Energy Management Program	Sustainability	Recreation Facilities and Advancing a Clean Growth Economy	\$653,000 City of Richmond 2015 Capital Budget, Approved		\$326,500
9. Sports Field Upgrade: Richmond Olympic Oval Precinct	Oval	Recreation Facilities	\$500,000 Richmond Olympic Oval 2016 Oval Capital Budget Approved by Oval Board January 2016	\$250,000 Richmond Olympic Oval	\$250,000
10. Solar PV Array Installation: Firehall No.1	Project Development	Advancing a Clean Growth Economy	\$500,000 City of Richmond 2014 Capital Budget, Approved		\$250,000
Submission Request Grand Total					<b><u>\$2,922,500</u></b>

All projects must have funding approved at the time of submission. Project descriptions are included for reference (Attachment 2). All projects have funding sources indicated above.



While the City will be making a number of project submissions, there is no guarantee that they will be approved for full or partial funding, as with all senior government funding programs.

The maximum federal contribution to any project would be 50% of capital costs. Should the submissions be successful, the City would be required to enter into funding agreements with the Government of Canada. These agreements are standard forms, provided by the Federal Government, that include an indemnity and release in favour of the Federal Government.

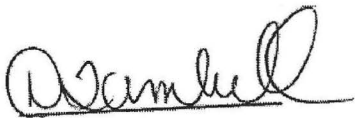
Staff will further assess these proposed submissions and continue to clarify criteria with federal government staff, prior to the application deadline of June 22, 2016. Some of the above projects may meet the funding criteria more effectively than others.

### **Financial Impact**

The City of Richmond will be requesting up to \$2,922,500 for funding for ten projects from the CIP 150 through WD. The fund may grant up to 50 % of total eligible costs to a maximum of \$500,000 per project. All projects have been approved by Council, and/or their respective boards, and are included within their respective annual budgets.

### **Conclusion**

Staff recommends that the projects identified in this report be submitted to WD, CIP 150. The submissions are for ten projects requesting funding for up to \$2,922,500, with proposed cost sharing by the Federal Government of up to \$500,000 or 50% per project of the total eligible project costs.



Denise Tambellini  
Manager, Intergovernmental Relations & Protocol Unit  
(604-276-4349)

Att: 1: Canada 150 Community Infrastructure Funding Information  
2: Project Descriptions

## Canada 150 Community Infrastructure Funding Information

### 3. Priorities <sup>1</sup>

For this intake of applications, priority **will** be given to projects that address one or more of the following:

- Upgrades to recreational facilities ([Section 3.1](#))
- Advance a clean growth economy ([Section 3.2](#))
- Impact on Indigenous communities and peoples ([Section 3.3](#))

In addition, funding from sources other than the Canada 150 Community Infrastructure Program **must** be confirmed at the time of application (written proof is required – see [Section 5.5](#));

Other considerations may include:

- Projects that will leave a meaningful, lasting legacy resulting from Canada 150 (i.e., Upgrades that will provide long-term benefits to a community that are recognized as a lasting legacy from Canada 150);
- Projects that are seeking less than 50% of the total project costs from the Canada 150 Community Infrastructure Program;
- Projects will be completed by Fall 2017; and
- Ability to start the project quickly.

#### 3.1 Recreational Facilities

Participation in sport and recreational activities contributes to the well-being of Canadians and communities in urban, rural and remote areas all across the country. As such, priority will be given to sport and recreation facilities, such as:

- Swimming pools;
- Parks, recreational trails such as fitness trails, bike paths and other types of trails;
- Sports fields;
- Arenas (indoor and outdoor arenas);
- Gymnasias;
- Tennis, basketball, volleyball or other sport-specific courts;
- Curling rinks;
- Playgrounds;
- Waterpark/spray park; and
- Multi-purpose facilities (e.g., Community recreation or friendship centres).

Recognizing that non-recreational facilities, to meet their community's needs, could have recreational sections within its larger complex or offer space for recreational programming, WD will also prioritize applications from these facilities under the following two conditions:

- The specific space being renovated is available a minimum of 50% of its available time for recreational programming/use; and,
- The application is specifically for upgrades for the space used for recreational programming.

Examples of non-recreational facilities that meet these criteria are:

- Cultural centre that has an outdoor basketball court and is requesting to re-surface the court.

<sup>1</sup> excerpt from <http://www.wd-deo.gc.ca/eng/18901.asp>  
5027749

- Community centre that has an activity room that is used 50% for recreational programming (e.g., karate, exercise class and yoga) and is requesting to upgrade the floor.

Other non-recreational facilities identified as Eligible Projects ([Section 2.2](#)) will be given lower priority.

### 3.2 Advancing a Clean Growth Economy

The development, demonstration and adoption of clean technologies are a key component of promoting sustainable economic growth and will play a critical role in advancing a clean growth economy.

Clean technology refers to any technology product/process that improves environmental performance relative to the standard/most commonplace technology in a given market. This includes technologies that reduce negative impacts on the environment, provide superior performance at a lower cost, and/or an improved quality of life by optimizing resource use.

Infrastructure improvements can contribute to improved environmental performance by:

- Diversifying the sources of energy supply and distribution (e.g., installing solar panels as an energy supply option);
- Reducing the energy, water and other material inputs of a system (e.g., replacing a community pool liner to reduce water leakage);
- Increasing the productivity of energy and material inputs of a system (including improving the energy efficiency of existing infrastructure) (e.g., installing a new energy efficient furnace);
- Reducing or eliminating the emission of waste or contaminants that impair the environment (e.g., replacing an arena ice plant that reduces hazardous waste); and/or,
- Improving measurement or monitoring systems or processes that facilitate any of the above.

Priority will be given to projects that have a positive impact on the environment and advance a clean growth economy, for example where they involve the following:

- The development/demonstration of **new** clean technology products/processes (e.g., install/integrate a new power source, such as geothermal); or,
- The installation/adoption of **existing** clean technology products/processes (e.g., adoption of energy efficiency improvements to heating and cooling systems, windows and lighting).

Applicants will be required to clearly describe how their project would have a positive impact on the environment and advance a clean growth economy.

### 3.3 Impact on Indigenous Communities and Peoples

Projects that have a positive and significant impact on Indigenous communities and peoples (First Nation, Métis and Inuit) by increasing their participation and engagement in the community will also be given priority. A significant impact is described as:

- The applicant is an organization that is owned/operated by Indigenous peoples;
- The applicant has a mandate to assist and/or deliver services to Indigenous peoples and is actively engaged with the Indigenous community; and/or,
- Indigenous peoples are significant users of the facility.

For non-indigenous applicants whose projects may have a significant impact on Indigenous communities or peoples, it is strongly encouraged that letters of support from the relevant Indigenous communities be included in



the application to support the claim. If available, applicants should submit evidence of significant impact, such as demographic analysis, usage data and/or geographic proximity.

### 4. Funding

#### 4.1 Funding Available

The Canada 150 Community Infrastructure Program will invest \$150 million across Canada in community infrastructure, with \$46.2 million allocated across Western Canada (British Columbia, Alberta, Saskatchewan and Manitoba).

The maximum contribution from ALL Government of Canada sources (including the Canada 150 Community Infrastructure Program and other sources such as the Gas Tax Fund) cannot exceed 50% of the total costs of a project. There is no minimum contribution threshold (i.e., applicants can seek a contribution from the Canada 150 Community Infrastructure Program for a smaller, specific component of a project with large total project costs).

Eligible applicants can apply for funding under the Canada 150 Community Infrastructure Program up to a maximum of \$500,000. Any funding request for a contribution over \$500,000 will be considered ineligible.

#### 4.2 Eligible Costs

The Canada 150 Community Infrastructure Program will support eligible costs directly related to a project that have been incurred and paid by a successful applicant.

Examples of costs eligible for reimbursement under the Canada 150 Community Infrastructure Program include:

- Costs incurred and paid between **April 1, 2016 and March 31, 2018**;
- Costs to rehabilitate or improve fixed capital assets of community facilities, including minor expansions to existing infrastructure (i.e., less than 30% of the existing square footage/footprint);
- Fees paid to consultants/contractors or other professional or technical personnel directly related to the rehabilitation or expansion of the community facility (See [Section 5.7](#) for details on competitive process requirements);
- Costs of environmental assessments, monitoring and follow-up programs as required by the Canadian Environmental Assessment Act 2012 or equivalent legislation;
- Costs related to signage, which are required for Canada 150 projects and need to be included in the project budget; and
- Other costs directly related to the success of the project and approved in advance.

The amount of funding requested under the Canada 150 Community Infrastructure Program cannot exceed 50% of the total costs of a project, up to a maximum of \$500,000. The remaining 50% of the total project costs must be matched by the applicant directly or other funders.

Under the Canada 150 Community Infrastructure Program projects may **not** begin incurring any eligible costs (that can be included in the Total Project Costs) earlier than **April 1, 2016**.

Western Economic Diversification reserves the right to make the final determination on the value of contributions and to exclude expenditures deemed to be ineligible or outside the scope of the project.

#### 4.3 Ineligible Costs

Costs that are deemed unreasonable, not incremental and/or not directly related to project activities will be ineligible for reimbursement. Costs and services normally covered by the applicant (e.g., maintenance and salaries)

and related party transactions (e.g., hiring family of a board member and/or management or hiring a contracting company that is owned by a board member) are not eligible.

Costs not eligible for reimbursement under the Canada 150 Community Infrastructure Program include:

- Costs incurred before **April 1, 2016** or after **March 31, 2018**;
- Movable equipment (e.g., furniture, computers, sporting equipment, Zambonis, snow groomers, lawn mowers and ATVs, including costs for leasing equipment);
- Overhead costs, including direct and indirect operating and administrative costs (e.g., management, planning, engineering and other related costs) normally carried out by the applicant;
- Costs for salaries and benefits of existing employees and general administration costs unrelated to the project;
- Costs for the purchase of land and/or buildings;
- Feasibility and planning studies;
- Legal fees;
- Routine maintenance costs; and
- Taxes, such as GST, for which the applicant is eligible for a tax rebate.

**Project Descriptions**

**1. South Arm Community Centre Upgrade**

This project will replace the roof and mechanical systems to be more energy efficient resulting in a significant savings in Green House Gases (GHG). In conjunction with South Arm Community Association, there will be further renovations to the building, specific to the fitness area.

Estimated Cost of Proposed Improvement: \$1,125,000

Proposed Completion Date: Fall 2017

**2. Steveston Pool Lining Repair**

Built in 1972, the Steveston Pool has been a Richmond landmark for over 34 years in the Steveston community, reliably opening each year and welcoming thousands of residents to enjoy this outdoor pool. However, as these structures enter into the accelerated deterioration stage of their lifecycle, increased maintenance and infrastructure renewals are required.

This project will include the relining of two outdoor pool basins, an upgrade of all washroom fixtures to be modern and energy efficient, as well as roof repairs as required

Estimated Cost of Proposed Improvement: \$450,000

Proposed Completion Date: Summer 2017

**3. Middle Arm Park Upgrade: Holly Bridge Pier**

The proposed pier at the north terminus of Hollybridge Road will become a landmark along the City's evolving Middle Arm waterfront park. The 500 square metre pier will provide opportunities for people to have panoramic views of the river and the city and to be closer to the activities occurring on the river. The pier is currently funded by a \$1,000,000 contribution from the River Green Village developer, ASPAC, and a \$500,000 Capital submission approved in 2015. Additional funding will enable the full build out of the pier in 2017.

Estimated Cost of Proposed Improvement: \$1,850,000

Proposed Completion Date: Fall 2017

**4. Railway Greenway Trail Upgrade**

This project will extend the Railway Greenway to enable a continuous off-street/protected cross-island trail. The upgrade comprises the completion of an existing 355 metre gap from Westminster Hwy to River Rd - construction of a 4 m paved off-street within the McCallan Road right-of-way including provision for improving the access to the Middle Arm Dyke Trail. The existing greenway is approximately 5.0 km in length and the combined length 8 per cent of the existing length and thus is within the eligibility criterion of a maximum of 30 per cent expansion of existing infrastructure.

Estimated Cost of Proposed Improvement: \$440,000

Proposed Completion Date: Fall 2017



**5. Track Zone Synthetic Floor Improvements Richmond Olympic Oval**

The Track Zone at Richmond Olympic Oval is one of the most utilized and versatile activity spaces in the venue. At approximately 50,000 square feet, it is home to a multitude of activities and programs for dozens of community sport organizations. Activities include volleyball, basketball, futsal (indoor soccer), badminton, baseball, pickle ball, floor hockey, handball, and track and field. The Track Zone also hosts over 50 large-scale community and sport hosting events each year. It is estimated that over 200,000 people utilized this space in 2014.

When the synthetic floor was installed at the conclusion of the 2010 Olympic Games, the portion of the floor over the Oval's 400-metre long track was not glued down. The 'floating' floor would allow for relatively easy access to the refrigerated slab in the event a speed skating event returned to the Oval. Hosting such an event in the foreseeable future is unlikely. By making improvements at the floor expansion joints, gluing a synthetic floor to the concrete slab and re-painting sport specific lines as necessary, a significant performance and user improvement will be realized for the Track Zone's multipurpose floor for many years to come. This improvement will not prevent any future transition back to a speed skating ice oval.

Estimated Cost of Proposed Improvement: \$252,000

Proposed Completion Date: January 2018

**6. Brighthouse Park Fieldhouse**

The Brighthouse park facility has been serving Richmond residents for over 30 years. As a multi-use building it sees heavy use, predominantly in the summer months as a concession, washroom and shower facility. This facility also has rental space which is utilized by sports teams, local clubs and community organizations alike. It has entered into the accelerate deterioration stage of its life cycle and consequently requires increased maintenance and infrastructure renewals to continue service the community. Currently, the greatest need is renewals to the roof and observation deck.

The existing wood observation deck is rotten and affecting the integrity of the roof and membrane underneath. This project will replace the roof which also functions as an observation deck for the public. The roof membrane and concrete pavers will also be included as part of the project.

Estimated Cost of Proposed Improvement: \$250,000

Proposed Completion Date: Spring 2017

**7. Lang Park Redevelopment – Park Characterization**

This is one of the most well-used parks in the City Centre. The approved 2016 Capital project includes construction of a new interactive water feature, an innovative children's play area and a large canopy/shelter along with improved seating and lighting to encourage use of the park year round and throughout the day. Any additional grant funding will be added to the project budget to further build out the project.

Estimated Cost of Proposed Improvement: \$1,200,000

Proposed Completion Date: December 2017

**8. Facility Energy Management Program**

These projects are focused on energy optimization, GHG emissions reductions and renewable energy integration. Additional operational benefits will include increased building system control which will allow for improved occupant comfort. Projects include

- Thompson Community Centre Georexchange, Heating System Optimization and Lighting Upgrades  
Estimated Capital: \$165,000 (Anticipated Cost Avoidance: \$14,000)
- East Richmond Community Hall Heating System Optimization and Lighting Upgrades  
Estimated Capital: \$38,500 (Anticipated Cost Avoidance: \$7,000)
- South Arm Heating and Ventilation Optimization and Re-commissioning  
Estimated Capital: \$109,000 (Anticipated Cost Avoidance: \$12,000)
- Energy Upgrades Fire Hall No.4, Fire Hall No.5, and Fire Hall No.6  
Estimated Capital: \$77,000 (Anticipated Cost Avoidance: \$20,000)
- Community Safety Building Heating System Optimization and Lighting Upgrades.  
Estimated Capital: \$113,500 (Anticipated Cost Avoidance: \$28,500)
- City Hall Solar Photovoltaic Installation  
Estimated Capital: \$150,000 (Anticipated Cost Avoidance: \$12,000)

Estimated Cost of Proposed Improvement: \$653,000

Proposed Completion Date: December 2017

**9. Sports Field Upgrade: Richmond Olympic Oval Precinct**

In its current configuration this 70,000 square foot sport field accommodates the provision of community summer camp programs, ancillary training for athletes and general public recreation. At present, it is the only outdoor public field space servicing the rapidly emerging Richmond Olympic Oval precinct. Proposed upgrades would significantly increase the ability to better serve public demand by greatly enhancing recreation and sport programming options as well as making the space usable year-round. Upgrades would include all-weather turf, sand courts, perimeter fencing for containment, lighting, and sports equipment and standards for activities such as volleyball, soccer, futsal, field hockey, community wellness programming and recreational leagues and tournaments.

Estimated Cost of Proposed Improvement: \$500,000

Proposed Completion Date: Summer 2017

**10. Solar PV Array Installation: Firehall No.1**

The new City Centre Area Fire Hall No.1 is targeting LEED Gold certification through energy and resource use efficiency. Included in the design of this facility is a solar PV array system that will displace electrical grid energy use at the facility. Investment has already been made in the structural integrity of the building to allow for the roof to withstand the weight of a solar PV system. The City is targeting the displacement of approximately 33% of the projected annual electrical load of the facility, and is exploring the option of connecting the building to the planned solar PV array system at the nearby Minoru Complex to achieve net zero energy use.

Estimated Cost of Proposed Improvement: \$500,000

Proposed Completion Date: December 2017