



Public Works and Transportation Committee

Anderson Room, City Hall
6911 No. 3 Road

Wednesday, March 18, 2015
4:00 p.m.

Pg. # ITEM

MINUTES

PWT-4

*Motion to adopt the **minutes** of the meeting of the Public Works and Transportation Committee held on Wednesday, February 18, 2015.*



NEXT COMMITTEE MEETING DATE

Wednesday, April 22, 2015, (tentative date) at 4:00 p.m. in the Anderson Room

PLANNING AND DEVELOPMENT DIVISION

1. **INSTALLATION OF DYNAMIC MESSAGE SIGN ON NORTHBOUND KNIGHT STREET**
(File Ref. No. 01-0150-20-THIG1) (REDMS No. 4507396)

PWT-8

See Page PWT-8 for full report

Designated Speaker: Victor Wei

Pg. # ITEM

STAFF RECOMMENDATION

That the staff report regarding the installation of a dynamic message sign on northbound Knight Street to support regional transportation management in the Metro Vancouver area, dated February 17, 2015, from the Director, Transportation, be received for information.



ENGINEERING AND PUBLIC WORKS DIVISION

2. **CITY OF RICHMOND UTILITY BOX ART WRAP PROGRAM IMPLEMENTATION**

(File Ref. No. 11-7000-09-20-101) (REDMS No. 4521667)

PWT-12

[See Page PWT-12 for full report](#)

Designated Speakers: Eric Fiss and Romeo Bicego

STAFF RECOMMENDATION

That the implementation of integrating artwork on City of Richmond utility boxes, as outlined in the staff report from the Director, Public Works and Director, Arts, Culture and Heritage Services, dated March 2, 2015, be endorsed.



3. **2015 CLOTHES WASHER REBATE PROGRAM**

(File Ref. No. 10-6650-02/2015) (REDMS No. 4507873 v. 3)

PWT-25

[See Page PWT-25 for full report](#)

Designated Speaker: Lloyd Bie

STAFF RECOMMENDATION

That:

- (1) *the City partner with BC Hydro to offer a combined rebate program May 1 to June 30 and October 1 to October 31 of this year, which will provide a rebate of up to \$200, equally cost shared between BC Hydro and the City, for the replacement of an inefficient clothes washer with a new high efficiency one;*

Pg. # ITEM

- (2) *the scope of the existing toilet rebate program funding be expanded to include clothes washer rebates; and*
- (3) *the CAO and General Manager, Engineering and Public Works, be authorized to execute an agreement with BC Hydro to implement this program.*

4. **FINAL 2013 CORPORATE CARBON NEUTRAL EMISSIONS**

(File Ref. No. 10-6125-07-03) (REDMS No. 4474585 v. 3)

PWT-29

[See Page PWT-29 for full report](#)

Designated Speaker: Levi Higgs

STAFF RECOMMENDATION

That the staff report titled “Final 2013 Corporate Carbon Neutral Emissions” from the Director, Engineering, dated February 23, 2015, be received for information.

5. **MANAGER’S REPORT**

ADJOURNMENT



Public Works and Transportation Committee

Date: Wednesday, February 18, 2015

Place: Anderson Room
Richmond City Hall

Present: Councillor Chak Au, Chair
Councillor Harold Steves
Councillor Derek Dang
Councillor Ken Johnston
Councillor Alexa Loo

Also Present: Councillor Carol Day (entered at 4:01 p.m.)

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 Public Works and Transportation Committee held on Wednesday, January 21, 2015, be adopted as circulated.

CARRIED

ENGINEERING & PUBLIC WORKS DIVISION

1. **BRIGHOUSE FIRE HALL NO. 1 – COUNCIL PROJECT UPDATE**

(File Ref. No. 06-2052-25-FHG11) (REDMS No. 4472927 v. 7)

It was moved and seconded

That the Brighthouse Fire Hall No. 1 – Council Project Update, from the Director, Engineering and Fire Chief, Richmond Fire-Rescue, be received for information.

CARRIED

Public Works & Transportation Committee
Wednesday, February 18, 2015

2. **REVIEW OF HIRED TRUCKING/HIRED EQUIPMENT ENGAGEMENT PROCESS**

(File Ref. No. 02-0780-01) (REDMS No. 4485446)

In reply to queries from Committee, Suzanne Bycraft, Manager, Fleet and Environmental Programs, commented on the purpose of the review and revision to the existing City processes for hired trucking and equipment services. She noted that the new process will ensure that updated requirements are met, and will provide the City greater flexibility to effectively address contractor non-compliance and performance concerns. Also, Ms. Bycraft stated that staff in the Purchasing department manage the contractor engagement process; currently, the onus to obtain and verify contractor documentation rests with the City.

Ms. Bycraft spoke on the lists of hired trucks and hired contractors, and Committee requested that these lists be forwarded to Council for their information. Also, she advised that the requirement for drivers to be bonded can be examined as part of the review. Ms. Bycraft stated that the hire list is currently based on seniority, with the longest-standing service providers having top positions on the list; trucks are hired by call out starting at the top of the list each day until daily requirements are met. She advised that additional interested service providers are added to the list based on the date of their applications; however, these service providers are retained much less frequently than those with higher seniority on the list. Also, Ms. Bycraft commented on areas of focus as part of the review, noting that a points scale will be created to rank specific factors in order of importance.

It was moved and seconded

*That the staff report titled **Hired Trucking/Hired Equipment Engagement Process, dated January 26, 2015, from the Director, Public Works Operations, be received for information.***

CARRIED

PLANNING & DEVELOPMENT DIVISION

3. **ICBC-CITY OF RICHMOND ROAD IMPROVEMENT PROGRAM – PROPOSED PROJECTS FOR 2015**

(File Ref. No. 01-0150-20-ICBC1-01) (REDMS No. 4465999)

In reply to queries from Committee, Victor Wei, Director, Transportation, advised that a number of proposed road safety improvement projects implemented in 2014 will receive approximately \$58,000 in funding from ICBC's Road Improvement Program. Also, Mr. Wei commented on the impact of road improvements on road safety, noting that ICBC has an established process to evaluate projects in order to ensure a high rate of return for their contributions. Also, he noted that staff can examine how to highlight enhanced road safety as a result of said improvement projects.

2.

Public Works & Transportation Committee
Wednesday, February 18, 2015

It was moved and seconded

- (1) *That the list of proposed road safety improvement projects, as described in the staff report titled ICBC-City of Richmond Road Improvement Program – Proposed Projects for 2015, dated January 23, 2015, be endorsed for submission to the ICBC 2015 Road Improvement Program for consideration of cost sharing funding; and*
- (2) *That should the above applications be successful, the Chief Administrative Officer and General Manager, Planning and Development, be authorized to negotiate and execute the cost-share agreements, and the 2015 Capital Plan and 5-Year (2015-2019) Financial Plan be amended accordingly.*

CARRIED

4. **REGIONAL TRANSPORTATION MANAGEMENT CENTRE – TRAFFIC DATA SHARING WITH RICHMOND**

(File Ref. No. 01-0150-20-THIG1) (REDMS No. 4474516 v. 2)

It was moved and seconded

That the staff report titled Regional Transportation Management Centre – Traffic Data Sharing with Richmond, dated January 23, 2015, from the Director, Transportation, regarding the exchange of image, video and traffic data with the Ministry of Transportation & Infrastructure in support of a regional transportation management system to effectively manage traffic operations on key roadways in Richmond as part of the Metro Vancouver area be received for information.

CARRIED

5. **MANAGER'S REPORT**

(i) *Building Canada Fund*

Mr. Wei noted that a memorandum on additional capital project submissions to the Building Canada Fund is forthcoming.

(ii) *2015 Capital Projects Open House*

Discussion took place regarding the 2015 Capital Projects Open House, and John Irving, Director, Engineering, advised that it would take place on April 16, 2015.

(iii) *Silver Leaf Award from the International Association of Business Communicators of Canada*

Ms. Bycraft highlighted that the City has received the Silver Leaf Award, a national award recognizing the successful communications program developed to support the launch of the new Green Cart recycling program.

The Chair requested that the award be presented at the next Council meeting.

3.

Public Works & Transportation Committee
Wednesday, February 18, 2015

(iv) Soil Recycling

Tom Stewart, Director, Public Works, provided an update on staff efforts regarding soil recycling.

ADJOURNMENT

It was moved and seconded

That the meeting adjourn (4:21 p.m.).

CARRIED

Certified a true and correct copy of the Minutes of the meeting of the Public Works and Transportation Committee of the Council of the City of Richmond held on Wednesday, February 18, 2015.

Councillor Chak Au
Chair

Hanieh Berg
Committee Clerk



City of Richmond

Report to Committee

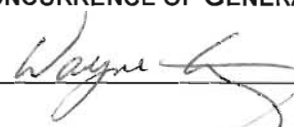


To: Public Works and Transportation Committee **Date:** February 17, 2015
From: Victor Wei, P. Eng.
 Director, Transportation **File:** 01-0150-20-THIG1/2015-Vol 01
Re: **Installation of Dynamic Message Sign on Northbound Knight Street**

Staff Recommendation

That the staff report regarding the installation of a dynamic message sign on northbound Knight Street to support regional transportation management in the Metro Vancouver area, dated February 17, 2015, from the Director, Transportation, be received for information.



Victor Wei, P. Eng.
 Director, Transportation
 (604-276-4131)

REPORT CONCURRENCE		
ROUTED TO:	CONCURRENCE	CONCURRENCE OF GENERAL MANAGER
Engineering Real Estate Services	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	
REVIEWED BY STAFF REPORT / AGENDA REVIEW SUBCOMMITTEE	INITIALS: 	APPROVED BY SAO 

Staff Report

Origin

At the February 2015 meeting of the Public Works & Transportation Committee, members received a staff report for information regarding the sharing of traffic data between the City's traffic management system and the Ministry of Transportation & Infrastructure (MoTI)'s Regional Transportation Management Centre (RTMC). The integration of the two traffic management centres will benefit Richmond's road users by allowing for more effective monitoring and management of traffic incidents as well as the provision of real-time information to the public.

As part of this expanded use of Intelligent Transportation Systems (ITS), this report describes the forthcoming installation of a dynamic message sign by MoTI to provide northbound road users on Knight Street with up-to-date travel information.

Analysis

Dynamic Message Signs

MoTI has installed a number of dynamic message signs (DMS) along provincial highways in Metro Vancouver that provide travellers with real-time information on road conditions such as travel times and wait times at Canada-US border crossings. Figure 1 is an example of a DMS sign on southbound Highway 99 mounted north of the Cambie Road overpass.



Figure 1: DMS on Southbound Highway 99

As part of the RTMC's role as the region's central hub for the coordination of traffic operations, incident management, special events, and post disaster response/recovery in Metro Vancouver, MoTI is planning to expand the network of DMS beyond the provincial highway system. MoTI has identified the Knight Street corridor as a priority location given it is a critical link for regional goods movement between Port Metro Vancouver facilities.

Proposed DMS on Northbound Knight Street

The proposed location of the sign is within the City right-of-way of northbound Knight Street approximately 200 m south of the Cambie Road overpass (see Figures 2 and 3). Messages appearing on the DMS would include information regarding Port Metro Vancouver terminals (e.g., alert commercial vehicles when specific entrances to the Port are closed or there is an emergency Port closure) and public service information as directed by MoTI and the City.



Figure 2: Location of Proposed DMS on Northbound Knight Street 200 m south of Cambie Road

The new sign will expand the breadth of information on current travel conditions available to residents, employees and visitors of Richmond. The DMS will display weather, congestion, safety, and road condition messages for the general public, as well as Amber Alerts when required. Staff would also have the opportunity to input information such as unscheduled traffic incidents. The shared information will help both the City and MoTI to better manage any traffic impacts that may impact roadways under the jurisdiction of both agencies.



Figure 3: Rendering of Proposed DMS with Sample Message

Financial Impact

None. MoTI is funding the installation and maintenance costs associated with the dynamic message sign. Staff time to facilitate its installation is expected to be absorbed within regular resources.

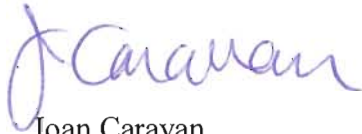
Conclusion

Following the integration of the City’s Traffic Management Centre with MoTI’s Regional Transportation Management Centre, the installation of a dynamic message sign on northbound Knight Street will further enhance the ability of both agencies to more effectively manage traffic

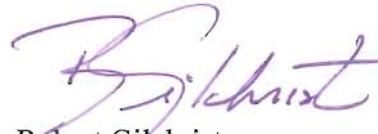
February 17, 2015

- 4 -

operations and improve the safety and reliability of transportation routes that, in turn, will enhance the flow of people, goods and services within and beyond Richmond.



Joan Caravan
Transportation Planner
(604-276-4035)



Robert Gilchrist
Supervisor, Traffic Operations
(604-247-4697)




City of Richmond

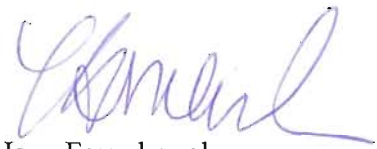
Report to Committee

To: Public Works and Transportation Committee **Date:** March 2, 2015
From: Tom Stewart, ASCT.
 Director, Public Works **File:** 11-7000-09-20-101/Vol 01
 Jane Fernyhough
 Director, Arts, Culture and Heritage Services
Re: **City of Richmond Utility Box Art Wrap Program Implementation**




Staff Recommendation

That the implementation of integrating artwork on City of Richmond utility boxes, as outlined in the staff report from the Director, Public Works and Director, Arts, Culture and Heritage Services, dated March 2, 2015, be endorsed.


 Tom Stewart, ASCT.
 Director, Public Works
 (604-233-3301)


 Jane Fernyhough
 Director, Arts, Culture and Heritage Services
 (604-276-4288)

Att. 3

REPORT CONCURRENCE	
CONCURRENCE OF GENERAL MANAGER 	
REVIEWED BY STAFF REPORT / AGENDA REVIEW SUBCOMMITTEE	INITIALS: 
APPROVED BY CAO 	

Staff Report

Origin

On July 28, 2014, Council endorsed the City of Richmond Utility Box Art Wrap Program to engage local artists in the design of art wraps for utility boxes across the city.

The purpose of this report is to provide Council with information regarding the Utility Box Art Wrap Program Artist Roster Request for Qualifications, the results of the artist design selection process and recommendations for incorporating the designs onto existing utility boxes.

This initiative is in line with Council Term Goal #9 Arts and Culture:

9.1 Build culturally rich public spaces across Richmond through a commitment to strong urban design, investment in public art and place making.

Analysis

Background

There are many ordinary looking utility boxes throughout the city, many in highly visible public locations adjacent to sidewalks in urban areas or in natural settings beside trails and in parks. The utility boxes for sanitary pump station equipment and traffic controls are utilitarian in design, however, inexpensive vinyl wraps can be applied to improve their appearance. By incorporating art into the design of utility boxes there is an opportunity to make these undistinguished civic utility boxes a unique source of beauty and civic pride. Art wraps are also effective in reducing graffiti.

City staff from Engineering, Public Works, Arts, Culture & Heritage Services, Planning, and Production have been collaborating on the development of this program. The Richmond Heritage Commission and the Richmond Public Art Advisory Committee have also been consulted on this project and recommend its support.

2014-2016 Art Wrap Program Artist Roster Request for Qualifications

The Public Art Terms of Reference for the City of Richmond Utility Box Art Wrap Program, describes the art opportunity, project themes, entry requirements, and selection process. The request was officially launched on August 25, 2014, with a posting of application information on the City website (Attachment 1).

Artist Selection Process

Following the administrative procedures for artist selection for civic public art projects, a five person selection panel convened on November 6, 2014 to review the artist submissions. The panel was comprised of:

- Kathleen Beaumont, Richmond Heritage Commission Member
- Jennifer Heine, Artist

- Jeannette Jarville, Artist
- Steve Jedreicich, Vice President, Townline Group of Companies
- Carrie Walker, Artist

Forty-five (45) submissions from throughout Metro Vancouver were received by the contest closing date on September 25, 2014.

Recommended Artist Roster

The selection panel recommended twenty-three (23) artists for the Art Wrap Artist Roster (Attachment 2). The artists were ranked for consideration for upcoming wrap projects, with the highest ranked artists to be selected first. Artists were also identified for specific themes: Steveston Heritage, Urban City Centre and Rural Nature. Placement on the roster does not guarantee that an artist will be selected for a wrap project.

Recommendations for Implementation

The recommended artists were selected for each utility box opportunity by a City interdepartmental staff team based on the ranking established by the Selection Panel, availability of the artist, appropriateness of the artist's media and past work, and their experience with specific project requirements. The artists recommended for the initial series of utility box commissions and the selected locations are as follows:

- David Pacholko, Van Horne Sanitary Pump Station, 9080 Van Horne Way
- Ross Munro, Odlin West Sanitary Pump Station, 9288 Odlin Road
- Elia Mishkis, Richmond Centre Sanitary Pump Station, 6451 No. 3 Road
- Andrew Briggs, Moncton Street and No. 1 Road Kiosks, 4011 Moncton Street

The proposed artworks for the utility box art wraps are shown in Attachment 3.

Financial Impact

The total project budget is estimated at up to \$20,000 over two years, to be cost shared between Engineering & Public Works and Community Services. Public Works has allocated up to \$10,000 through Minor Capital over two years for fabrication and installation costs for this project. The Public Art Program has allocated the remaining \$10,000 for selection panel honorariums and artist fees from the approved 2014 Capital Budget to support public art programs for City streets and public works for this two year period.

Conclusion

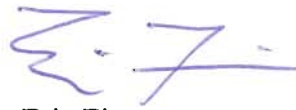
The City of Richmond Utility Box Art Wrap Program represents an opportunity for local artists from a variety of creative practices to participate in the public art program for integration of their artworks in the public realm. Incorporating art into functional objects is an affordable, high-impact method of integrating the arts into everyday life by making art accessible to the public and benefitting the city through beautification of the public realm.

The utility box art wrap project builds on other programs for successfully integrating art with civic infrastructure, such as drainage pumps stations, the district energy utility and manhole covers and is a low cost opportunity to continue this practice. Integration of public art with utility boxes is consistent with the vision and strategic directions of the Richmond Arts Strategy, to broaden the diversity of arts experiences and opportunities and to expand public awareness and understanding of the arts through continued City support.

Upon endorsement, staff will select a fabricator from competitive proposals for the supply and installation of the utility box wraps for installation in late spring of 2015.



Romeo Bicego
Manager, Sewerage & Drainage
(604-244-1209)



Eric Fiss
Public Art Planner
(604-247-4612)

EF:ef

- Att. 1: 2014-2016 Art Wrap Program Artist Roster Request for Qualifications
- 2: Recommended Art Wraps Artist Roster
- 3: Recommended Art Wraps for Implementation

2014-2016 Art Wrap Program Artist Roster Request for Qualifications

call to artists

PUBLIC ART
RICHMOND



Figure 1. Example utility box tagged with graffiti.

2014-2016 Art Wrap Program Artist Roster

(RFQ) Request For Qualifications

September 2014

OPPORTUNITY

The Richmond Public Art Program invites artists residing in the BC Lower Mainland to submit applications to be considered for a 30-member artist roster for 2014–2016. The artists on the roster will be automatically considered for commission, to provide one original artwork in a digital format for a series of art wraps on utility boxes located in and around Richmond. Artists may be selected for one or more utility boxes. All information about the project is contained herein.

Artist Fee: \$1,000 CAD per utility box. [Reproduction and installation costs will be paid by the City of Richmond]

Eligibility: Artists residing in the Lower Mainland of British Columbia

Deadline: Thursday September 25, 2014 by 5:00pm PST.

Installation: Fall 2014 to 2016

call to artists

BACKGROUND

While large utility boxes are a necessity in today's world, they do not have to mar the landscape or be targets for graffiti (Figure 1). In many municipalities, they are now frequently transformed into artistic objects that enhance the urban realm, reflect community identity and contribute to building culturally rich places. (Figure 2).

The City of Richmond wishes to wrap several City-owned utility boxes from 2014 to 2016. The artists will be expected to work with City staff and the City's printing contractor to wrap the boxes with original artwork. The artwork will be digitally reproduced on special film and then adhered to utility boxes throughout the City. It is the expectation that the art wrap will last for approximately three or more years.

THEMES

This is an opportunity for artists to examine these boxes through a different lens. Could they be imagined as precious sculptures, fragile ornaments or iconic place markers? We are looking for artists who can produce artwork that is mindful of the diverse historical, geographical and cultural heritage of different sites and communities in Richmond. Heritage considerations are particularly relevant for art wrap opportunities in Steveston Village. In addition to urban locations, many of the utility boxes are situated in terrestrial and marine shoreline natural areas and may reflect Richmond's natural heritage and ecological network.



Figure 2. *Untitled*, Jeanette Jarville. 2010

call to artists

PUBLIC ART
RICHMOND

LOCATIONS

Priority will be given to utility boxes located in highly visible pedestrian areas in Richmond. They will include the urban villages that make up Richmond's City Centre and Steveston Village, Figure 3.

DESIGN CONSIDERATIONS

- The utility boxes vary in dimensions and shape, ranging from approximately 45x75x150cm to 60x250x130cm.
- Commissioned artists will be required to provide the City with artworks in a digital format for printing and reproduction. The artwork can be a reproduction of an original painting, sculpture or installation. Equally acceptable would be an original photographic image or new media artwork.
- Commissioned artists shall not promote goods and services of any businesses and shall not violate any federal, provincial or local laws. Additionally, the artwork shall not convey partisan politics, negative imagery, religion and sexual content.
- Commissioned artists should keep in mind that busier designs are more successful in deterring graffiti and vandalism, while open spaces in the design are often targets for tagging by graffiti artists.



Figure 3. Examples of existing utility boxes in Richmond.

call to artists

PUBLIC ART
RICHMOND

ARTIST ROSTER SELECTION PROCESS

[SELECTION FOR THE ROSTER DOES NOT GUARANTEE SELECTION FOR A PROJECT COMMISSION]

The artists will be chosen for inclusion on the Artist Roster through a one-stage selection process. A five-person Selection Panel will convene to review all artist packages and recommend up to thirty (30) artists for the Artist Roster. The Selection Panel will be composed of artists, community representatives and art and design professionals.

The Artist Roster will remain in effect until 2016. Artists selected for the Roster will be notified prior to being placed into consideration for specific projects. Qualified artists will be evaluated for each project opportunity by an interdepartmental staff team, based on a ranking and established by the Selection Panel, including availability, appropriateness of the artist's media and experience for specific project requirements. The selected artist will ultimately be commissioned for the project on the combined strength of a proposal, interview and references. Commissioned artists will enter into a contract with the City of Richmond.

ARTIST ROSTER SELECTION CRITERIA:

[THE CRITERIA LISTED BELOW WILL ASSIST THE SELECTION PANEL TO EVALUATE SUPPORTING ARTIST DOCUMENTATION]

- Qualifications and proven capability to produce work of the highest quality.*
- Capacity and experience to work with communities, diverse groups and other design professionals.
- Capacity and experience to produce work that will reflect community identity and assist in building rich cultural places, taking into consideration scale, colour, material, texture, content and the existing social dynamics of the community, including Richmond's unique diversity, history and environment.
- Demonstrated capacity and experience in producing sustainable and technically feasible work.
- Demonstrated capacity and experience to complete work within established project schedules and timelines.

***Note:** Additional consideration will be given to artists who have not received commissions from the City of Richmond in the past three years.

call to artists

PUBLIC ART
RICHMOND

SUBMISSION REQUIREMENTS

[E-MAIL ALL DOCUMENTATION AS ONE (1) PDF DOCUMENT, NOT TO EXCEED A FILE SIZE OF 5MB TO: publicart@richmond.ca]

CHECKLIST:

- INFORMATION FORM** - Please complete the information form attached to this document.
- STATEMENT OF INTEREST** - 300 words or less, explaining artistic practice, why the artist is interested in this opportunity and how their practice relates to this project and the selection criteria.
- CV** - One page (maximum) current professional CV. Teams should include one-page CV's for all members as one document.
- REFERENCES** - Applicants must provide the names, titles, contact telephone and e-mail of three (3) references who can speak to the artist's ability, skills and experience.
- WORK SAMPLES** - Five (5) image examples of previous work. One image per page for a total of five (5) pages. This work should not be the proposed design for utility wraps, but should respond to the selection criteria on page 4.
 - Please include artist name(s), title, year, location and medium information to be on each image page (Note: Multiple images of a work may be shown on each page to provide context and details, if desired).

ALL MATERIALS MUST BE RECEIVED BY:

Thursday September 25, 2014 by 5:00pm PST.

[LATE SUBMISSIONS WILL NOT BE CONSIDERED]

APPLICATIONS MUST BE SUBMITTED TO:

publicart@richmond.ca

Questions?

publicart@richmond.ca

call to artists

PUBLIC ART
RICHMOND

2014-2016 ART WRAPS PROGRAM - ARTIST ROSTER

Submission Deadline: Thursday September 25, 2014 by 5:00pm PST.

Attach one (1) copy of this form as the first page of the submission.

Name: _____

Team Name (if applicable): _____

Address: _____

City/Postal Code _____

Primary Phone: _____ Secondary Phone: _____

Email _____ Website: _____
(one website or blog only)

Incomplete submissions will not be accepted. E-mailed submissions over 5MB will not be accepted. Information beyond what is listed in the checklist will not be reviewed.

List Team Member Names Here (Team Lead complete above portion):

Please let us know how you found out about this opportunity:

Would you like to receive direct emails from the Richmond Public Art Program? _____

Signature: _____ Date: _____

Submit applications by e-mail to: publicart@richmond.ca

Additional Information:

Please be advised that the City and the selection panel are not obliged to accept any of the submissions and may reject all submissions. The City reserves the right to reissue the RFQ as required. All submissions to this RFQ become the property of the City. All information provided under the submission is subject to the Freedom of Information and Protection of Privacy Act (BC) and shall only be withheld from release if an exemption from release is permitted by the Act. The artist shall retain copyright of the submitted documents. While every precaution will be taken to prevent the loss or damage of submissions, the City and its agents shall not be liable for any loss or damage, however caused.



Recommended Art Wraps Artist Roster

Steveston Heritage

Andrew Briggs

Bruce Walther

Urban City Centre

David Pacholko

Elia Mishkis

Andy McCready

Anita Lee

Zola Novak

Wilfrido Limavalencia

Naza del Rosal/Juan Rico

(Ollimoonsta)

Anita Vu

Jean Duguay

Viven Chiu

Claudia Segovia

Roselina Hung

Rural Natural

Ross Munro

Joanne Hastie

Don Li-Leger

Ronn Martin

Danny Chen

Eileen Fong

Ilsoo Kyung MacLaurin

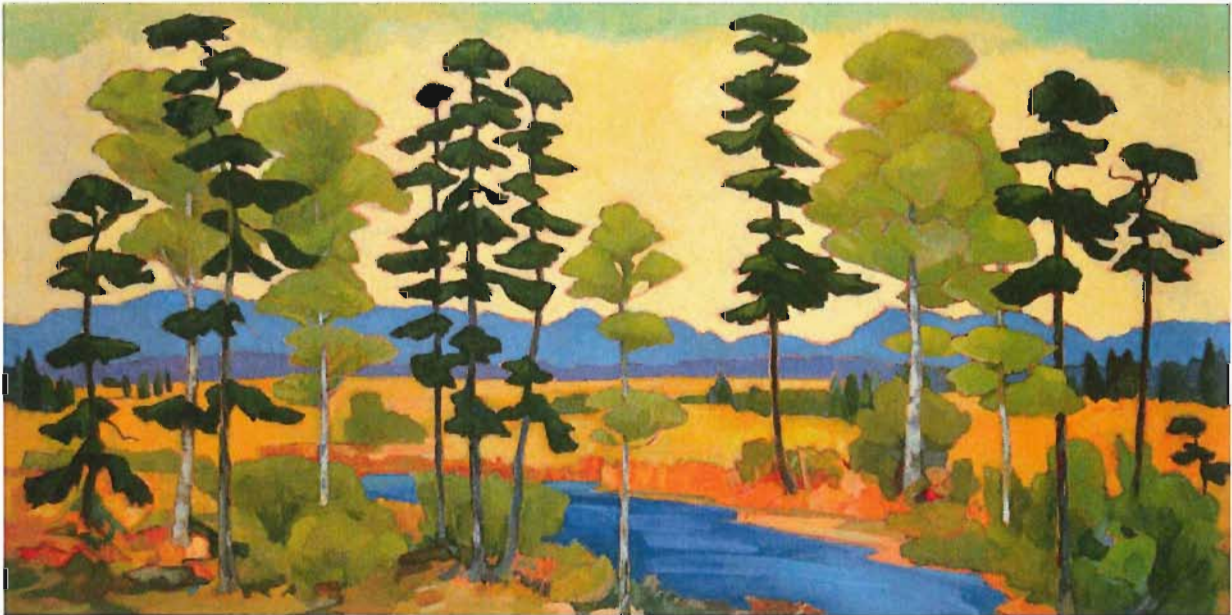
Dione Dolan

Terry Wong

Recommended Art Wraps for Implementation



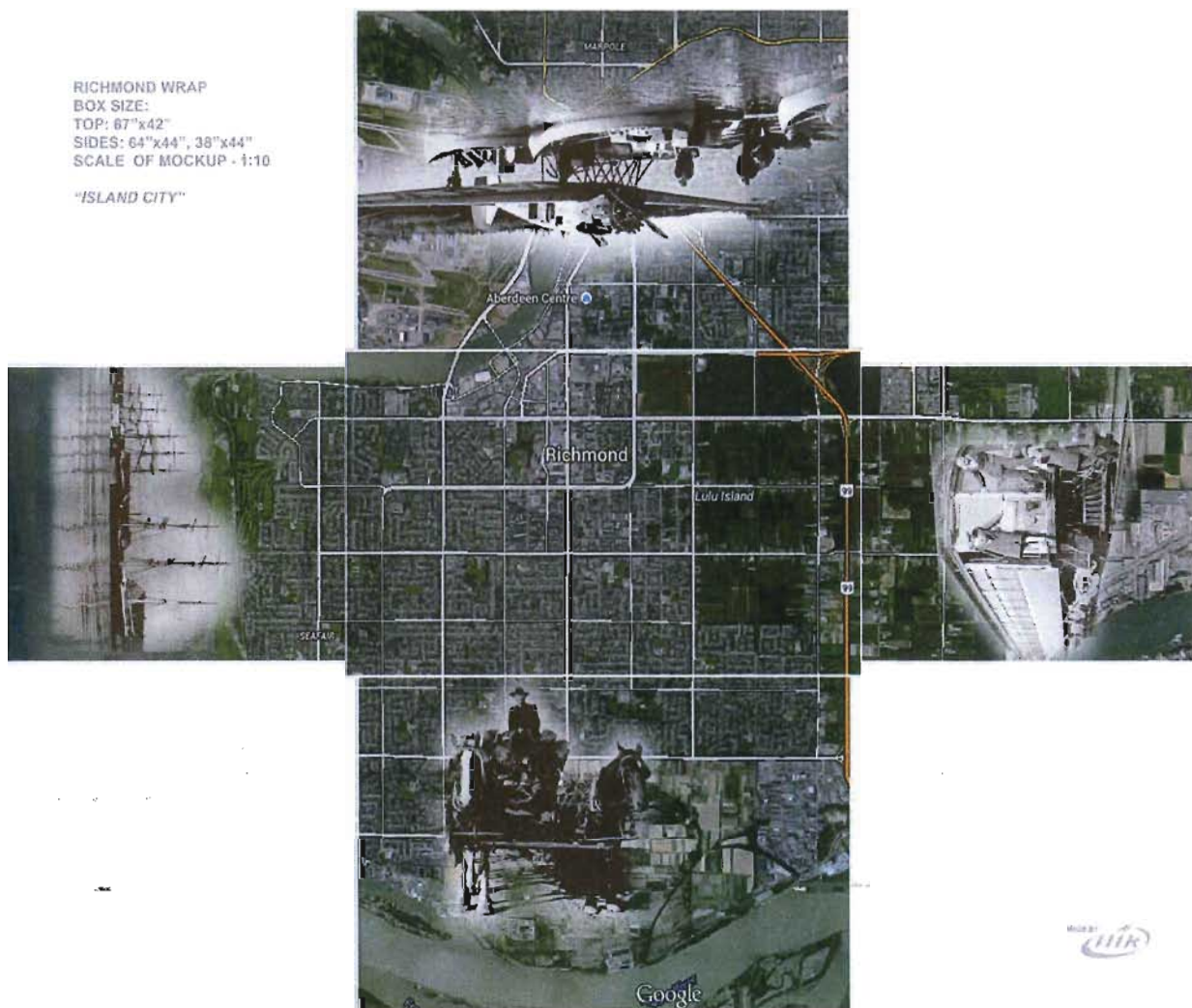
David Pacholko, Van Horne Sanitary Pump Station, 9080 Van Horne Way



Ross Munro, Odlin West Sanitary Pump Station, 9288 Odlin Road

RICHMOND WRAP
BOX SIZE:
TOP: 67"x42"
SIDES: 64"x44", 38"x44"
SCALE OF MOCKUP - 1:10

"ISLAND CITY"



Elia Mishkis, Richmond Centre Sanitary Pump Station, 6451 No. 3 Road



Andrew Briggs, Moncton Street and No. 1 Road Kiosks, 4011 Moncton Street



City of Richmond

Report to Committee

To: Public Works and Transportation Committee

Date: February 17, 2015

From: John Irving, P.Eng. MPA
Director, Engineering

File: 10-6650-02/2015-Vol
01

Re: 2015 Clothes Washer Rebate Program

Staff Recommendation

That:

1. the City partner with BC Hydro to offer a combined rebate program May 1 to June 30 and October 1 to October 31 of this year, which will provide a rebate of up to \$200, equally cost shared between BC Hydro and the City, for the replacement of an inefficient clothes washer with a new high efficiency one;
2. the scope of the existing toilet rebate program funding be expanded to include clothes washer rebates; and
3. the CAO and General Manager, Engineering and Public Works, be authorized to execute an agreement with BC Hydro to implement this program.

John Irving, P.Eng. MPA
Director, Engineering
(604-276-4140)

REPORT CONCURRENCE		
ROUTED TO:	CONCURRENCE	CONCURRENCE OF GENERAL MANAGER
Finance Division Water Services	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	
REVIEWED BY STAFF REPORT / AGENDA REVIEW SUBCOMMITTEE	INITIALS: 	APPROVED BY CAO

Staff Report

Origin

BC Hydro and local governments have an interest in encouraging the conservation of water and energy. Through PowerSmart, BC Hydro offers a variety of incentive programs that encourage uptake of energy-efficient technologies, including energy-efficient appliances.

Last year, the City partnered with BC Hydro on the clothes washer rebate program. The program offered a rebate of up to \$200, which was equally cost shared between BC Hydro and the City. Further rebates were offered by Home Depot and Samsung in the month of October.

BC Hydro is offering the program again in 2015.

The program supports the 2014 Official Community Plan (OCP), the Corporate Sustainability Framework, as well as the 2014 Community Energy and Emissions Plan, which includes “promoting building efficiency through outreach and education and providing incentives for building retrofit action.”

Analysis

2014 Clothes Washer Rebate Program

In 2014, the washing machine rebate program issued a total of 205 clothes washer rebates at a total cost of \$15,750 to the City.

Eight municipalities, including the City of Abbotsford and the City of Vancouver, participated in the partnership program with BC Hydro last year.

2015 Clothes Washer Rebate Program

The proposed program offered by BC Hydro will run from May 1 to June 30 and October 1 to October 31 of this year. To date, thirteen municipalities are participating in this year’s partnership program with BC Hydro.

BC Hydro has also partnered with Samsung, Home Depot and Future Shop, with each of these organizations offering to match BC Hydro’s rebate. The Samsung rebate will apply to eligible Samsung models, and the Home Depot and Future Shop rebates will apply to eligible models purchased at each respective store. Including City participation, the rebate for a high-efficiency Samsung model purchased at Home Depot or Future Shop will be \$400.

Changes from last year are:

- BC Hydro has extended the spring campaign from one month to two months; and
- Energy and water performance metrics have been updated to align with new federal standards coming in effect March 7, 2015.

Staff recommend that the City partner with BC Hydro to match rebate offers on high efficiency washing machines similar to last year.

Estimated Savings

Clothes washers rank second in indoor water use (after toilets), accounting for approximately 21% of indoor household water consumption. Table 1 outlines the estimated annual reduction in electrical consumption, water consumption, and GHG emissions per clothes washer replacement.

Table 1: Estimated Energy, Water, and GHG Savings

Total Rebate Amount	City Contribution	BC Hydro Contribution	Electricity Savings	Water Savings	GHG Savings
\$100 (Top-loading)	\$50	\$50	92 kWh/year	61,285 litres/year	0.03 tCO ₂ e/year
\$100 (Front-loading)	\$50	\$50	160 kWh/year	63,787 litres/year	0.05 tCO ₂ e/year
\$200 (Front-loading)	\$100	\$100	256 kWh/year	64,858 litres/year	0.07 tCO ₂ e/year

The proposed \$100 rebate will be offered to front-loading clothes washers with IMEF of 2.76-2.94 and IWF of 3.5 or less and to top-loading clothes washers with IMEF of 2.30 or higher and IWF of 4.2 or less. The proposed \$200 rebate will be offered to clothes washers with IMEF of 2.94 or higher and IWF of 3.2 or less.

Roles and Responsibilities

City and BC Hydro roles and responsibilities are outlined in Table 2. BC Hydro will be responsible for carrying out program administration and associated activities, and the City will be responsible for providing funding to supplement the BC Hydro rebate and advertising the rebate program within Richmond.

Table 2: City and BC Hydro Roles and Responsibilities

City of Richmond	BC Hydro
<ul style="list-style-type: none"> • Provide funding to supplement the existing BC Hydro rebate • Advertise the rebate offer locally 	<ul style="list-style-type: none"> • Answer email and phone inquiries about the program • Receive and process online applications • Verify applicants' eligibility, as determined by the City • Provide rebate directly to applicants, and invoice the City for its portion • Provide post campaign reporting to the City

Financial Impact

Staff recommend that the rebates be funded from the approved toilet rebate program. The toilet rebate program has an annual budget of \$100,000, with \$88,800 remaining in 2015. The uptake on toilet and washing machine rebates has a high degree of variability. Staff will monitor participation and report back to Council after the May/June clothes washer promotion if there is higher than anticipated participation.

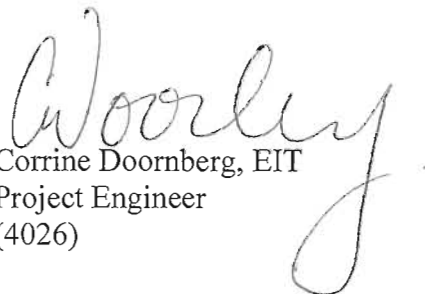
BC Hydro will cover all costs associated with program administration.

Conclusion

The City has an opportunity to partner with BC Hydro in providing rebate incentives to residents for purchasing efficient clothes washers. BC Hydro will be responsible for administering the rebates, which will be offered May, June and October of this year. Staff recommend that the City participates in this combined rebate program which provides a rebate of up to \$200, equally cost shared between BC Hydro and the City, and that the scope of the existing toilet rebate program funding be expanded to include clothes washer rebates.



Lloyd Bie, P.Eng.
 Manager, Engineering Planning
 (4075)



Corrine Doornberg, EIT
 Project Engineer
 (4026)

LB:cd



To: Public Works and Transportation Committee **Date:** February 23, 2015
From: John Irving, P.Eng., MPA **File:** 10-6125-07-03/2015-Vol 01
Director, Engineering
Re: **Final 2013 Corporate Carbon Neutral Emissions**

Staff Recommendation

That the staff report titled, "Final 2013 Corporate Carbon Neutral Emissions," dated February 23, 2015, from the Director of Engineering be received for information.

John Irving, P.Eng. MPA
Director, Engineering
(604-276-4140)

Att. 1

REPORT CONCURRENCE	
CONCURRENCE OF GENERAL MANAGER 	
REVIEWED BY STAFF REPORT / AGENDA REVIEW SUBCOMMITTEE	INITIALS:
APPROVED BY CAO 	

Staff Report

Origin

The City of Richmond completes two main reporting regimes for Provincial carbon emissions programs on an annual basis - the Climate Action Revenue Incentive Program (CARIP) and Carbon Neutral reporting. For Carbon Neutral reporting, the City reports out on its corporate greenhouse gas (GHG) emissions based on Provincial requirements. This was completed in July 2014 for the 2013 reporting year. The purpose of this report is to summarize the reassessment of the 2013 Carbon Neutral reporting, and inform Council of the resulting revision.

Background

The City of Richmond was recognized by the Province and the Union of BC Municipalities (UBCM) for achieving carbon neutral status in its corporate operations for the 2013 reporting year (Attachment 1). This achievement completes the City's commitment to becoming carbon neutral, made in 2008 when the City signed the BC Climate Action Charter – a voluntary agreement between the Province, UBCM, and local governments in BC.

The main activities that helped the City achieve this goal were quantifying the GHG emissions reduction, obtaining credits from the diversion of yard waste and kitchen scraps from the Vancouver landfill, and participating in the Metro Vancouver landfill gas capture optimization project.

Some projects that are on-going or recently completed that resulted in significant corporate GHG emissions reduction include the replacement of the boilers at Minoru Arena and the installation of a heat recovery system, the replacement of the main boiler at Gateway Theatre and the installation of a sewage heat recovery system, and the replacement of Fire Hall No.2 with a pending LEED Gold Certified building that includes a geo-exchange heating system and solar thermal hot water system. In addition, through fuel use optimization and right sizing, Fleet fuel emissions have been reduced by approximately 3% since 2007 despite an increase in fleet assets.

Analysis

While the City of Richmond was able to achieve carbon neutral status for 2013, staff undertook a thorough reassessment of the Provincial reporting requirements to ensure that the City was receiving maximum credit. It was determined through this reassessment that Richmond Olympic Oval emissions values, and fleet emissions values for construction purposes should be excluded from corporate totals.

The total corporate Carbon Neutral emissions (in tonnes of CO₂e - tCO₂e) reported to the Province in July 2014 for the 2013 reporting year was as follows:

corporate emissions	9,480 tCO ₂ e
<u>contracted emissions</u>	<u>+ 1,410 tCO₂e</u>
	= 10,890 tCO ₂ e

Based on the completed review of the Provincial reporting requirements, a more accurate total for the 2013 reporting year was calculated, excluding the Richmond Olympic Oval emissions and fleet emissions for construction use:

corporate emissions	7,057 tCO ₂ e
<u>contracted emissions</u>	<u>+ 1,410 tCO₂e</u>
	= 8,467 tCO ₂ e

The following carbon credits were attained for the 2013 reporting year and were used to off-set the City’s 2013 corporate GHG emissions;

Household Organic Waste Composting (municipally collected).....	2,784 tCO ₂ e
Regional Vancouver Landfill Methane Gas Capture Credits	6,791 tCO ₂ e
<u>Organic Waste Composting (resident and commercial drop-off)</u>	<u>4,507 tCO₂e</u>
Total	14,085 tCO ₂ e

Based on the revised total corporate carbon emissions value and the achieved carbon credits for 2013, the surplus carbon credits available for use in the 2014 reporting year has increased from 3,195 tCO₂e to 5,618 tCO₂e.

The revision of corporate carbon neutral emissions reporting values for 2013 does not affect the City’s provincially recognized carbon neutral standing, and will increase the level of surplus carbon credits available for use in 2014.

In order to complete the revision of its 2013 corporate GHG emissions, the City has amended the documentation relating to its Carbon Neutral reporting requirements and has informed the Ministry of Community, Sport, and Cultural Development (the Ministry responsible for managing the reporting for the carbon emissions programs) of the changes.

Financial Impact

None at this time.

Conclusion

The City of Richmond continues to meet its commitments as a signatory of the BC Climate Action Charter, and has achieved Council’s objective to become carbon neutral in its corporate operations by investing in corporate and community GHG emissions reduction projects. Through continued pursuit of innovative and efficient means to reduce corporate and community GHG emissions, it is expected that the City of Richmond’s Carbon Neutral status will be maintained.



Levi Higgs, B.Sc., EMIT
 Energy Manager
 (604-244-1239)

Att. 1: Green Communities Committee Carbon Neutral Letter of Recognition



TO: MAYOR & EACH COUNCILLOR
 FROM: CITY CLERK'S OFFICE

	DW	
	MJ	
	DB	

PC: John Irving
 Robert Gonzalez

10-6125-07-02
 Ref: 155889

August 22, 2014

His Worship Mayor Malcolm Brodie and Members of Council
 City of Richmond
 6911 No. 3 Road
 Richmond, BC V6Y 2C1

Dear Mayor Brodie and Councillors:

On behalf of the joint Provincial-Union of British Columbia Municipalities (UBCM) Green Communities Committee (GCC), we would like to extend our sincere congratulations for successfully achieving your goal of corporate carbon neutrality for the 2013 reporting year.

As a signatory to the Climate Action Charter, you have demonstrated your commitment to work with the Province of British Columbia and UBCM to take action on climate change and to reduce greenhouse gas emissions in your community and corporate operations.

Climate change is a global challenge. The work that your local government has undertaken to reduce and offset its corporate emissions demonstrates significant climate leadership and sets the stage for broader climate action in your community. This leadership and commitment is essential to ensuring the achievement of our collective climate action goals.

As you are likely aware, the GCC was established under the Charter to support local governments in achieving their climate goals. In acknowledgement of the efforts of local leaders, the GCC is again recognizing the progress and achievements of local governments such as yours through the multi-level Climate Action Recognition Program. A description of this program is enclosed for your reference.

As a Charter signatory who has met the goal of corporate carbon neutrality of the 2013 reporting year, you have been awarded Level 3 recognition – Achievement of Carbon Neutrality.

In recognition of your significant achievements, the GCC is very pleased to provide you with carbon neutral branding for use on websites and letterheads. An electronic file with the 2013 logo will be provided to your Chief Administrative Officer. Also enclosed is a 2013 Green Communities Carbon Neutral window decal, for use on public buildings.

PHOTOCOPIED

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& DISTRIBUTED



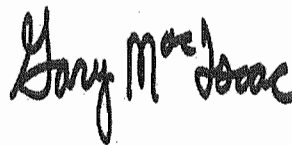
His Worship Mayor Malcolm Brodie and Members of Council
Page 2

Congratulations again on your achievement. We commend your leadership and wish you continued success in your ongoing commitment to the goal of corporate carbon neutrality, and your efforts to reduce emissions in the broader community.

Sincerely,

A handwritten signature in black ink, appearing to read "Jay Schlosar". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Jay Schlosar
Assistant Deputy Minister
Local Government Division

A handwritten signature in black ink, appearing to read "Gary Maclsaac". The signature is cursive and somewhat stylized, with the first name "Gary" being more prominent.

Gary Maclsaac
Executive Director
Union of British Columbia Municipalities

Enclosures



GCC Communiqué on the Climate Action Recognition Program

In acknowledgment of the ongoing efforts of local leaders, the joint Provincial-UBCM Green Communities Committee (GCC) is pleased to be continuing the **Climate Action Recognition Program** for BC local governments for the 2013 reporting year. This is a multi-level program that provides the GCC with an opportunity to review and publicly recognize the progress and achievements of each *Charter* signatory.

Recognition is provided on an annual basis to local governments who demonstrate progress on their *Charter* commitments, according to the following:

Level 1: Progress on Charter Commitments

All local governments who demonstrate progress on fulfilling one or more of their *Charter* commitments will receive a letter from the GCC acknowledging their accomplishments.

Level 2: Measurement

Local governments who have completed a corporate carbon inventory for the reporting year and demonstrate that they are familiar with the Community Energy and Emissions Inventory (CEEI) will receive a 'Climate Action Community 2013' logo, for use on websites, letter head and similar.

Level 3: Achievement of Carbon Neutrality

Local governments who achieve carbon neutrality in the reporting year will receive a 'Climate Action Community – Carbon Neutral 2013' logo, for use on websites, letter head and similar.

To be eligible for this program, local governments will need to complete a Climate Action Revenue Incentive Program (CARIP)/Carbon Neutral Progress Report and submit it to the Province in accordance with the program guidelines. Determination of the level of recognition that each community will receive will be based on the information included in each community's annual CARIP report. Additional information on CARIP reporting is available online at: www.cscd.gov.bc.ca/lgd/greencommunities/carip.htm .