



General Purposes Committee

Anderson Room, City Hall
6911 No. 3 Road

Monday, January 16, 2017
4:00 p.m.

Pg. # ITEM

MINUTES

- GP-3** *Motion to adopt the **minutes** of the meeting of the General Purposes Committee held on January 3, 2017.*



FINANCE AND CORPORATE SERVICES DIVISION

1. **REGULATIONS FOR MARIHUANA DISPENSARIES**
(File Ref. No. 03-0900-01) (REDMS No. 5232673 v. 6)

GP-9

See Page GP-9 for full report

Designated Speakers: Carli Edwards and Cecilia Achiam

STAFF RECOMMENDATION

That Richmond Zoning Bylaw No. 8500, Amendment Bylaw 9671 to add a definition of “marihuana dispensary” and add this use to the non-permitted uses and definitions (Section 3.5) of the Richmond Zoning Bylaw No. 8500 to prohibit “marihuana dispensary” in all zones, be introduced and given first reading.



PLANNING AND DEVELOPMENT DIVISION

2. **2016 REPORT FROM CITY CITIZEN REPRESENTATIVES TO THE VANCOUVER INTERNATIONAL AIRPORT AERONAUTICAL NOISE MANAGEMENT COMMITTEE (YVR ANMC)**
(File Ref. No. 01-0153-04-01) (REDMS No. 5251399)

PWT-13

[See Page PWT-13 for full report](#)

Designated Speaker: Victor Wei

STAFF RECOMMENDATION

That the report from the City citizen representatives appointed to the Vancouver International Airport Aeronautical Noise Management Committee (YVR ANMC) regarding the Committee's 2016 activities dated December 22, 2016, from the Director, Transportation, be received for information.



COMMUNITY SERVICES DIVISION

3. **MINORU COMPLEX ENTRIES AND ARRIVALS PUBLIC ART CONCEPT**
(File Ref. No. 11-7000-09-20-202) (REDMS No. 5252534)

GP-21

[See Page GP-21 for full report](#)

Designated Speaker: Eric Fiss

STAFF RECOMMENDATION

That the concept proposal and installation for the Minoru Complex Entries and Arrivals public artwork "Leaf Sails" by artist Douglas Taylor, as presented in the report titled "Minoru Complex Entries and Arrivals Public Art Concept" from the Director, Arts, Culture and Heritage Services, dated December 12, 2016, be endorsed.



ADJOURNMENT





General Purposes Committee

Date: Tuesday, January 3, 2017

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 Harold Steves

Absent: Councillor Linda McPhail

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 General Purposes Committee held on December 19, 2016, be adopted as circulated.

CARRIED

The Chair advised that Harvest Power Lease with Port of Vancouver will be considered as Item No. 5.

General Purposes Committee
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COUNCILLOR LINDA McPHAIL

1. BRITANNIA HERITAGE SHIPYARD SOCIETY REQUEST REGARDING MARITIME FESTIVAL 2017

(File Ref. No.)

Cathryn Volkering Carlile, General Manager, Community Services, advised that the proposal from the Britannia Heritage Shipyard Society (BHSS) to produce the wooden boat event in 2017 was sent to the Canada 150 Steering Committee for comment and staff will be preparing a report on the matter.

Discussion ensued with regard to establishing a business plan related to the proposal from BHSS.

It was moved and seconded

That staff:

- (1) review the proposal from the Britannia Heritage Shipyard Society to produce the wooden boat event in 2017, including the formation of a business plan for a one year trial period; and***
- (2) consult with the Canada 150 Steering Committee with regard to the proposal from the Britannia Heritage Shipyard Society and report back.***

The question on the motion was not called as discussion ensued with regard to (i) the potential operating model of the proposed event, (ii) the types of activities within the proposed event, (iii) incorporating the proposed event with the Richmond Maritime Festival, (iv) involving community groups such as the Richmond Arts Council, and (v) the role of the City and volunteers in organizing the proposed event.

In reply to queries from Committee, Mike Redpath, Senior Manager, Parks, noted that the \$180,000 allocated for wooden boat activities is a one-time expenditure.

The question on the motion was then called and it was **CARRIED**.

General Purposes Committee

Tuesday, January 3, 2017

CHIEF ADMINISTRATOR'S OFFICE

2. **SISTER CITY ADVISORY COMMITTEE TWO YEAR ACTIVITY PLAN (2017-2018)**

(File Ref. No. 01-0100-30-SCIT1-01) (REDMS No. 5240198)

In reply to queries from Committee Amarjeet Rattan, Director, Intergovernmental Relations and Protocol Unit, noted that (i) the Sister City Advisory Committee (SCAC) members propose and plan activities utilizing the activity budget, (ii) \$8,000 was allocated for the inaugural Sister-Friendship Cities Youth Table Tennis tournament with the cities of Qingdao and Xiamen in 2016, and (iii) the SCAC is proposing an annual contribution of \$8,000 for the Youth Table Tennis tournament, with Richmond hosting each alternate year, for Council's endorsement.

Staff confirmed that there is no distinction between the terms "Sister City" and "Friendship City" and the terms are based on cultural preferences.

Discussion ensued regarding the benefits of student exchange programs between the Sister/Friendship cities and the status of the City's relationship with Pierrefonds, Quebec.

The Committee raised concern with regard to the lack of activities between the Richmond and Pierrefonds. Staff noted that response from Pierrefonds has been limited, as it is now a Borough of Montreal and not an independent municipality. Discussion then took place with regard to maintaining the relationship with Pierrefonds. It was then suggested that staff examine alternative cities for a potential Sister City partnership.

It was moved and seconded

- (1) *That the report titled "Sister City Advisory Committee Two Year Activity Plan (2017-2018)", dated December 7, 2016, from the Director of Intergovernmental Relations, be approved;*
- (2) *That the 2017-2018 Sister City Advisory Committee Program Activity budget of \$56,500 be funded from the Rate Stabilization Account and included in the 5 Year Financial Plan (2017-2021); and*
- (3) *That staff consult with the Sister City Advisory Committee regarding the future relationship with Pierrefonds, Quebec, with recognition of the 50th Sister City anniversary between Pierrefonds and Richmond.*

CARRIED

General Purposes Committee
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FINANCE AND CORPORATE SERVICES DIVISION

3. BUSINESS LICENCE BYLAW 7360, AMENDMENT BYLAW 9632

(File Ref. No. 12-8275-02) (REDMS No. 5247383)

In reply to queries from Committee, Carli Edwards, Manager, Customer Services and Licencing, noted that the City was notified by the Passenger Transportation Board (PTB) in mid-December 2016 that temporary taxi licenses will be issued for a period of one month, however due to timeline constraints, the City was not able to respond with a bylaw amendment.

In response to a query, staff noted that the Vancouver International Airport licenses taxis separately and that there are 112 Class A taxis and 44 Class N (accessible) taxis licensed in the city.

Staff confirmed that the Province has not provided an update on potential policy changes related to ridesharing.

It was moved and seconded

That Business Licence Bylaw No. 7360, Amendment Bylaw 9632, which increases the maximum number of Class A Taxicabs to 112 and Class N Taxicabs to 44, be given first, second and third readings.

CARRIED

LAW AND COMMUNITY SAFETY DIVISION

4. REGULATION OF SHORT-TERM RENTAL UNITS

(File Ref. No. 08-4430-03-12) (REDMS No. 5221655 v. 15)

In accordance with Section 100 of the Community Charter, Cllr. Day declared herself to be in a conflict of interest as she and her spouse are owners of a bed and breakfast.

Cllr. Day left the meeting (4:43 p.m.).

Doug Long, City Solicitor, reviewed the staff report on the Regulation of Short-Term Rentals, noting that (i) there are enforcement challenges with regard to legitimizing short-term rentals, (ii) there are options for the City to increase fines up to \$1,000 per offence and \$1,000 per day for continuing offenses, and in some cases, prosecute offenders, and (iii) compliance with proposed regulations can be achieved through consultation with stakeholders.

Discussion took place with respect to (i) compliance rates and enforcement practices in other jurisdictions, (ii) the potential demand on City resources to enforce regulations, (iii) the uneven regulatory framework between short-term rental units, hotels and traditional bed and breakfasts, and (iv) utilizing a proactive or a complaint-based approach to enforcement.

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In reply to queries from Committee, Mr. Long noted that current bylaws cannot completely address the new forms of short-term rentals.

Discussion then ensued regarding (i) the potential economic benefits of short-term rentals, (ii) the number of short-term rental related complaints received, (iii) the impact of short-term rentals on residential neighbourhoods, (iv) the impact of short-term rentals on the city's rental housing stock, and (v) the usage of oversized homes within the Agricultural Land Reserve for short-term rentals.

It was moved and seconded

- (1) *That the regulation of short-term rental units as set-out in the staff report from the City Solicitor and Chief Licence Inspector titled "Regulation of Short-Term Rental Units", dated November 29, 2016, be endorsed in principle for the purpose of public consultation;*
- (2) *That the public consultation process set-out in the staff report be approved; and*
- (3) *That staff be directed to engage with the Province of British Columbia to discuss regulatory changes to the Provincial Sales Tax and Municipal and Regional District Tax in regards to accommodation providers and report back to Council as part of the one-year review of the City's proposed short-term rental regulation.*

CARRIED

Opposed: Cllr. Steves

Cllr. Day returned to the meeting (5:20 p.m.).

5. **HARVEST POWER LEASE WITH PORT OF VANCOUVER**
(File Ref. No.)

It was moved and seconded

That a letter be sent to the Port of Vancouver Board requesting that they enforce any restrictive terms of their lease with Harvest Power relating to odours and emissions.

The question on the motion was not called as discussion ensued with regard to the action taken by Harvest Power to address issues related to odours and emissions.

In reply to queries from Committee, Robert Gonzalez, General Manager, Engineering and Public Works, noted that Harvest Power has been in contact with staff and staff will provide reports to Council on the matter. Staff noted that the 90-day review period of the City's contract with Harvest Power will end in February 2017.

The question on the motion was then called and it was **CARRIED**.

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ADJOURNMENT

It was moved and seconded

That the meeting adjourn (5:23 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 Tuesday,
January 3, 2017.

Mayor Malcolm D. Brodie
Chair

Evangel Biason
Legislative Services Coordinator



City of Richmond

Report to Committee

To: General Purposes Committee
From: Cecilia Achiam, MCIP, BCSLA
Director, Administration and Compliance
Re: Regulations for Marihuana Dispensaries

Date: January 10, 2017
File: 03-0900-01/2016-Vol 01

Staff Recommendation

That Richmond Zoning Bylaw No. 8500, Amendment Bylaw 9671 to add a definition of "marihuana dispensary" and add this use to the non-permitted uses and definitions (Section 3.5) of the Richmond Zoning Bylaw No. 8500 to prohibit "marihuana dispensary" in all zones, be introduced and given first reading.

Cecilia Achiam, MCIP, BCSLA
Director, Administration and Compliance
(604-276-4122)

REPORT CONCURRENCE		
ROUTED TO:	CONCURRENCE	CONCURRENCE OF GENERAL MANAGER
Law Development Applications Policy Planning	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	
REVIEWED BY STAFF REPORT / AGENDA REVIEW SUBCOMMITTEE	INITIALS: DW	APPROVED BY CAO

Staff Report

Origin

Marihuana laws are changing rapidly in Canada and the federal government recently released a report on a framework for the legalization of cannabis in Canada. This report recommends moving forward with a number of initiatives related to the recreational use of marihuana, including retail sales. Federal regulations that may result from the report's recommendations are expected as early as spring 2017.

This report proposes amendments to the Richmond Zoning Bylaw No. 8500 as a proactive response to the potential Federal legalization of marihuana. Until legalization measures are taken by the Federal Government, the use and retail sale of cannabis is prohibited by existing Federal legislation and not required to be in the City's zoning bylaw. However, in order to manage the potential impacts arising at the local level, it is prudent for the City to implement zoning regulations to prohibit all retailing and/or dispensing of marihuana or cannabis products city-wide.

Analysis

Current Federal Regulations

Federally, marihuana (cannabis) is currently regulated by the Controlled Drugs and Substances Act (CDSA) and the Access to Cannabis for Medical Purposes Regulations (ACMPR), formerly the Marihuana for Medical Purposes Regulations (MMPR). Currently, under this legislation there is no provision allowing for the retail sale or dispensing of marihuana or cannabis products.

Current Municipal Regulations

When the federal regulations came into effect in 2013, in relation to addressing access to medical marihuana (MMPR), Council endorsed a zoning bylaw amendment that defined a medical marihuana production facility and a medical marihuana research facility. This amendment also brought regulations to prohibit these uses City-wide. Through this regulatory framework, case-by-case consideration of rezoning applications for proposed medical marihuana production and/or research and development facilities have been reviewed based on Official Community Plan (OCP) policies developed to manage this land use. These zoning bylaw regulations and OCP policy specifically addressed medical marihuana production under the MMPR (now ACMPR).

Richmond Zoning Bylaw 8500 does not currently contain explicit provisions regarding retailing or dispensing of marihuana/cannabis because it is unlawful and contrary to the CDSA. In anticipation of federal legislation that may legalize and regulate marihuana, and to manage this issue within the context and priorities of Richmond, staff propose to:

- Define and add "marihuana dispensary" as a use definition in Section 3.5 (Non-Permitted Uses and Definitions) of the Richmond Zoning Bylaw 8500, wording as shown in the proposed Bylaw Amendment; and

- Include “marihuana dispensary” in Section 3.5 (Non-Permitted Uses and Definitions) of the Richmond Zoning Bylaw 8500, which would not permit this use in any zone city-wide.

The proposed amendment to the zoning bylaw would provide clarity on the City’s regulations on this type of business during the period until which time federal legislation on marihuana is brought forward. This approach would ensure that the City’s regulations are consistent with current federal legislation, where marihuana retail and/or dispensaries remain unlawful operations.

This is an interim regulatory approach that can be re-visited in the future. Should the Federal Government proceed with implementation of legislation for the legalization of marihuana in Canada, staff will assess the regulatory framework and provide Council with a future report outlining any legalization initiatives and potential options related to marihuana use, including retail sale.

Consultation

Staff have reviewed the proposed Zoning Bylaw amendment and advise that no public consultation is required beyond the public notification requirements.

Financial Impact

None

Conclusion

This staff report recommends that Richmond Zoning Bylaw No.8500, Amendment Bylaw 9671 be brought forward to define “marihuana dispensary” and prohibit them in all zones in the City. The City may make further amendments to respond to any new federal legislation.



Carli Edwards
Chief Licence Inspector
(604.276.4136)

KE:ce



**Richmond Zoning - Bylaw No. 8500
Amendment Bylaw No. 9671**

The Council of the City of Richmond enacts as follows:

1) The Richmond Zoning Bylaw 8500 as amended, is further amended at Section 3.5 (Non-Permitted Uses and Definitions) by:

a) Adding the following to Section 3.5.1:

“e) Marihuana dispensary”

b) adding the following definition of “marihuana dispensary”, in alphabetical order to Section 3.5.2:

“Marihuana Dispensary means a business or other operation involving the sale, barter, storage, distribution or dispensing of cannabis, marihuana or any products containing or derived from cannabis or marihuana.”

2) This Bylaw is cited as “**Richmond Zoning – Bylaw, Amendment Bylaw 9671**”.

FIRST READING

SECOND READING

THIRD READING

ADOPTED

MAYOR

CORPORATE OFFICER

CITY OF RICHMOND
APPROVED for content by originating dept. <i>CY</i>
for legality by Solicitor <i>D</i>



City of Richmond

Report to Committee

To:	General Purposes Committee	Date:	December 22, 2016
From:	Victor Wei, P. Eng. Director, Transportation	File:	01-0153-04-01/2016- Vol 01
Re:	2016 Report from City Citizen Representatives to the Vancouver International Airport Aeronautical Noise Management Committee (YVR ANMC)		

Staff Recommendation

That the report from the City citizen representatives appointed to the Vancouver International Airport Aeronautical Noise Management Committee (YVR ANMC) regarding the Committee's 2016 activities dated December 22, 2016, from the Director, Transportation, be received for information.

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

Att. 1

REPORT CONCURRENCE		
ROUTED TO:	CONCURRENCE	CONCURRENCE OF GENERAL MANAGER
Policy Planning	<input checked="" type="checkbox"/>	
REVIEWED BY STAFF REPORT / AGENDA REVIEW SUBCOMMITTEE	INITIALS: DW	APPROVED BY CAO

Staff Report

Origin

As directed by Council, the City's two citizen appointees to the YVR ANMC provide annual updates directly to the General Purposes Committee on agenda items discussed at the YVR ANMC meetings. This report provides the 2016 update through a status report prepared by the City's appointees to the YVR ANMC (Attachment 1).

Analysis

The YVR ANMC continues to achieve good participation from all cities and agencies and provides the opportunity for insightful discussions on a wide range of aeronautical noise-related topics as well as continued educational tours to enhance members' understanding of airport operations. The attached status report from the citizen appointees provides a summary of the key agenda items discussed at three Committee meetings held in March, June and December 2016 as well as a special joint meeting held in September 2016 with the YVR Environmental Advisory Committee as part of the YVR 2037 Master Plan process; staff also provide the following supplemental comments.

Runway End Safety Area (RESA)

RESA is a pending requirement from Transport Canada that would require an additional area at each end of a runway to enhance aircraft and passenger safety. These areas reduce the severity of damage to an aircraft should one overrun or undershoot during landing thereby increasing passenger safety, as well as providing an area for better access for emergency response vehicles. YVR is proactively planning to construct RESAs for its three runways (north, south and crosswind) that will meet existing international safety recommendations.

Year two of a three-year project to construct RESAs on the south airfield commenced in Summer 2016. Construction occurred between May and August at night between 9:00 pm and 7:00 am on most nights of the week. During this time, the south runway was closed and air traffic diverted to the north runway. Additional runway maintenance work was undertaken in conjunction with the closures to maximize efficiency. South runway closures in 2017 will again be required to complete this multi-year project.

YVR 2037 Master Plan Update

The Vancouver Airport Authority (VAA) is required to submit a Master Plan every 10 years per the lease agreement with the Federal Government. The current YVR Master Plan covers the period 2007-2027 and the update to the Plan, which commenced in May 2015, will span the time period 2017-2037. VAA has established a separate website for the process (www.yvr2037.ca).

The YVR Master Plan will be prepared in four phases as shown in Table 1. Staff have established a City Team that continued to meet with VAA staff during 2016 including with the YVR AMNC and the YVR Environmental Advisory Committee (EAC).

Table 1: YVR Master Plan Phases and Work Items

Phase	Dates	Status	Theme	Work Items
1	May-Sept 2015	Completed	<i>Our World 2057</i>	Develop possible future events and forecasts
2	Sep-Dec 2016 ⁽¹⁾	Currently Underway	<i>Building a World Class Sustainable Airport</i>	Develop options, scenarios and evaluation criteria
3	Jan 2017 ⁽²⁾	Not Started	<i>Preparing The YVR Draft 2037 Master Plan</i>	Evaluate options, develop recommendations and draft plan
4	Late 2017 ⁽³⁾	Not Started	<i>Approval of the YVR 2037 Master Plan</i>	Finalize Master Plan

(1) VAA has advised that it intends to have a public summary of Phase 2 consultation available by December 31, 2016.

(2) VAA has advised that it will have a draft Master Plan and Land Use Plan with recommendations available for the public by January 19, 2017.

(3) In late 2017, VAA intends to submit the Master Plan to the Minister of Transport for approval. In 2018, VAA will publicly release the Master Plan following its approval.

Phase 2 was completed in November 2016 and included a number of themed stakeholder workshops (attended by staff) as well as public workshops and an open house. To protect and advance the City's interests, staff have identified a comprehensive list of City issues which VAA staff have been asked to address in preparing the Master Plan (e.g., land use, noise, transportation, environmental, revised Noise Exposure Forecast contours).

Phase 3 is planned to commence in January 2017 with the release of the draft Master Plan that will identify the preferred future state for each of the six Phase 2 focus areas: terminals, airside/airspace, ground access, environment, community amenities, and land use. The final Master Plan is anticipated to be submitted to the federal Minister of Transport by the end of 2017 and would be made public following its approval, anticipated in early 2018. As identified in previous staff updates, City staff will be meeting with VAA staff to discuss the draft Plan on January 26, 2017 and will subsequently update Council by February 3, 2017. With this timeline, City staff anticipate taking a report to the General Purposes Committee to advise Council on the draft Master Plan by March 31, 2017.

As part of the Master Plan update process, the YVR Five-Year Airport Noise Management Plan that runs to the end of 2018 will subsequently be updated (for 2019 - 2023) with respect to noise exposure contours and more specific noise management strategies.

2016 Aeronautical Noise Management – Summary Report¹

During January 1 to December 17, 2016, YVR received a total of 1,798 noise concerns from 294 individuals across Metro Vancouver, which is a 12 per cent increase in the number of concerns and no change in the number of complainants over the same time period in 2015 (Figure 1). One individual in South Surrey registered 67 per cent of all noise concerns during this period in 2016 (i.e., 1,201 concerns regarding overflights of the area). Of the balance of 597 concerns, 100 were received regarding night-time use of the north runway during the annual south runway closure for maintenance and RESA work, including 25 concerns from 19 individuals in Richmond.

¹ This section presents statistics for the period January 1 to December 17, 2016 whereas the status report from the City's appointees to the YVR ANMC cover the period January 1 through November 26, 2016.

The increase in the number of Richmond-related concerns (Figure 2) for this time period in 2013 and 2014 were attributable to one individual in Richmond who resides adjacent to the float plane route. In 2015, a different single individual living in the same area registered similar concerns.

Of the 245 concerns registered by Richmond residents during this time period in 2016, three individuals registered 116 concerns (47 per cent of all concerns) mainly regarding float planes, propeller departures and engine run-up activities. Of the 55 concerns related to float planes (23 per cent of all concerns), nearly all the concerns (96 per cent) were registered by one individual.

Compared to 2015, the total number of concerns registered by Richmond residents decreased by four per cent (255 in 2015 to 245 in 2016). The total number of complainants residing in Richmond also decreased (92 in 2015 and 81 in 2016).

As shown in Figure 3, the operational concerns identified include jet departures and float plane operations followed by propeller departures, engine run-ups, and all aircraft movements.

Update to YVR Website

VAA launched an update of its website in March 2016. The new site is now mobile-optimized, accessibility compliant and available in English, French and Chinese, including materials in the noise management section (e.g., noise FAQs).

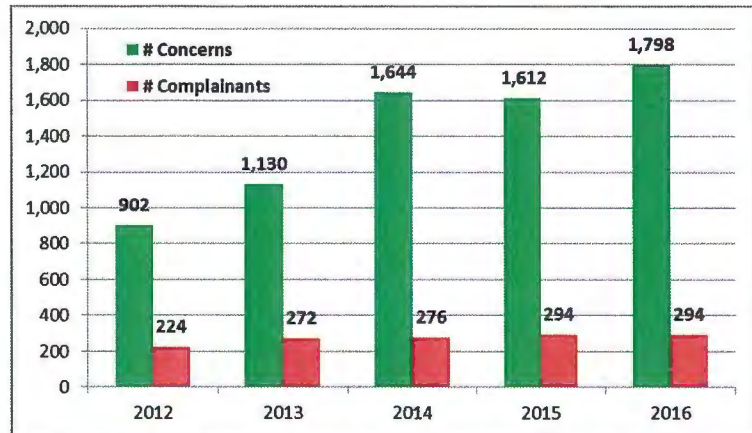


Figure 1: Region-wide Noise Concerns and Complainants

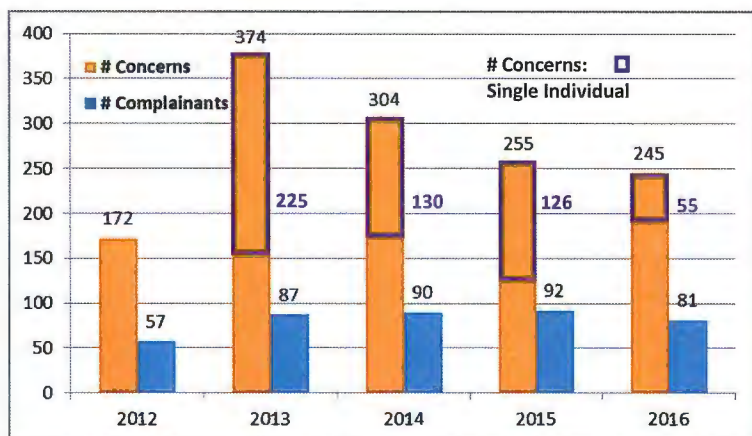


Figure 2: Richmond-Related Noise Concerns and Complainants

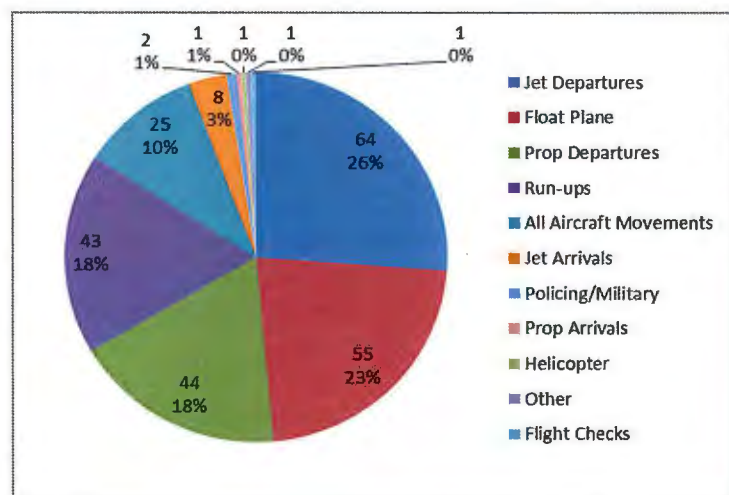


Figure 3: Total Number and Per Cent of Richmond-Related Noise Concerns by Operational Category

Financial Impact

None.

Conclusion

The City's citizen representatives to the YVR ANMC continue to uphold Richmond's profile at the Committee and contribute positively to discussions. The YVR ANMC remains a valuable forum for addressing aeronautical noise impacts on Richmond. The provision of input regarding action items to support VAA's new *2017-2037 Master Plan* will be an opportunity for the City and the City's representatives to the YVR ANMC to ensure that the initiatives are consistent with a goal of minimizing aeronautical noise impacts to the community and enhancing residents' quality of life.



Joan Caravan
Transportation Planner
(604-276-4035)

In collaboration with: Gary Abrams and Margot Spronk
City Citizen Representatives to the YVR ANMC

Att. 1: Report from City Citizen Representatives to the YVR ANMC

Date: December 16, 2016

To: City of Richmond General Purposes Committee

From: Margot Spronk
Gary W.D. Abrams
City of Richmond City Citizen YVR ANMC Representatives

2016 Status Report: YVR Aeronautical Noise Management Committee

City Appointees

Margot Spronk, a retired air traffic controller who was General Manager for NAV CANADA's Vancouver Flight Information Region, completed seven years of service as a City Citizen Representative at the December 1, 2016 meeting of the Committee. Gary W.D. Abrams, a Richmond lawyer with military and civil flying experience and involvement in the British Columbia Aviation Council and other aviation organizations, has served as a City Citizen Representative since his appointment in November 2015 for a two-year term to end on December 31, 2017. Both live in Richmond.

Past Year at the YVR Aeronautical Noise Management Committee

The YVR ANMC met on March 3, June 14 and December 1, 2016 as well as a joint meeting with the YVR Environmental Advisory Committee on September 12, 2016. Gary Abrams also attended an Area Operations Consultation Meeting on October 6, 2016 at the NAV CANADA Vancouver Area Control Centre. Highlights of these meetings are provided below.

YVR 2037 Master Plan

Both Citizen Representatives attended a joint meeting of the YVR ANMC and the YVR Environmental Advisory Committee, at which comments were sought from a number of community representatives on the environmental aspects of the YVR 2037 Master Plan. The discussion guide provided at the meeting contains information on the reduction in aircraft noise emissions between the late 1950s and the present (from 115 to 90 decibels, with the quieter passenger aircraft now in use), the projected more frequent use of the north runway for departures in peak periods, and the future use of Required Navigation Performance (RNP) approaches to Runway 08L (the north runway).

As part of the Master Plan update, YVR will review the long-term planning Noise Exposure Forecast (NEF) Contour, in accordance with the metric prescribed by Transport Canada for airport noise assessment. The Airport Authority is to continue, among other things, its review of best practices and the development of traffic projections and runway operational plans with the objective of providing information on future noise to cities (Richmond and Vancouver) to incorporate into their planning decisions and policies.

Engine Run-ups

In 2015, consultants reviewed the area to the north of the Air Canada South Hangar, which currently has a low number of run-ups, to assess the benefits of installing noise and blast barriers if this area were to receive increased run-ups in the future. The Airport Authority has decided not to implement, at least for the present, barriers or berms at this location due to their limited value in reducing the impact of run-up noise, in Burkeville or beyond, and potential problems with design, placement, and meeting height requirements associated with airport zoning.

Use of North Runway

On account of increased traffic and to avoid delays beyond the average of four minutes regarded as tolerable, use of the north runway for departures for substantial periods some days was required in 2016. Most of the aircraft departing eastbound have destinations to the northeast or north, that is, away from Richmond.

Runway End Safety Areas (RESA)

The planned construction schedule, over the spring and summer of 2016, of a Runway End Safety Area (RESA) at the east end of the south runway was reviewed. The construction will require the closure of that runway six nights a week.

Annual Flight Checks

A presentation was given by NAV CANADA, whose responsibilities include two flight checks each year of the ILS (Instrument Landing System) at Vancouver and other airports. The Airport Authority recently agreed that the flight checks in August 2016 would take place before sunrise when air traffic volumes are lower. The flight checks for three of the five Vancouver runways with ILS take place over water and have no noise impact on the community.

Reducing Greenhouse Gas Emissions

The National Airlines Council of Canada (NACC), which represents the four major Canadian carriers, delivered a detailed report on the efforts of the airline industry, Transport Canada, and the International Civil Aviation Organization (ICAO) to reduce greenhouse gas emissions. Airline fossil fuel-related emissions account for two per cent of all fossil fuel-related emissions worldwide. A memorandum of understanding between the industry and Transport Canada in 2005 has exceeded its targets, including a reduction of 24 per cent reduction in emissions from 1990 to 2012. Transport Canada created a new Action Plan in 2012, in which an average annual improvement in fuel efficiency of 2 per cent is projected. NACC carriers, from 2005 to 2015, achieved an improvement of 1.32 per cent. The use of alternate aviation fuels will, however, achieve the next big gain in emission reduction.

The Airport Authority also reviewed its initiatives regarding emission reduction via efficient ground and air movements and support of bio jet fuel initiatives and other means.

Use of Steeper Glidescope

A review of recent experiments at Frankfurt (Germany) and London Heathrow airports in the use, on one runway, of an ILS glide path of 3.2 degrees instead of the traditional 3 degrees was

presented. A slight reduction in noise below the flight path was achieved but would not be perceptible to humans. No operational problems developed.

Noise Management Reports

A comparison of the YVR Noise Management Report for 4th Quarter 2016 with the 4th Quarter 2015 report yields no significant conclusions. The number of complaints, and of individuals complaining, in Richmond was slightly lower for 2016 (240 and 78, respectively). Only one Richmond complaint was about flight checks. A far higher total of complaints about jet and prop departures, 107 (2016) versus 37 (2015), may reflect the greater use of the north runway in 2016 for the reasons outlined above. On the other hand, float plane complaints numbered only 55, as opposed to 138 in the 4th Quarter of 2015, a large number of which emanated from one person.

One of the City's citizen representatives also answered a request for information from a new resident of Richmond, who was surprised to experience aircraft noise at his home near Kwantlen Polytechnic University. The resident was advised that aircraft noise can be expected in this area due to the proximity to the airport and the necessary alignment of flight paths with the runways.

Recommendations to the General Purposes Committee

No specific recommendations are made. The work of the Committee will continue, with the participation of the citizen representative recently appointed.

Margot Spronk
Gary Abrams



City of Richmond

Report to Committee

To: General Purposes Committee **Date:** December 12, 2016
From: Jane Fernyhough **File:** 11-7000-09-20-202/Vol
Director, Arts, Culture and Heritage Services 01
Re: **Minoru Complex Entries and Arrivals Public Art Concept**


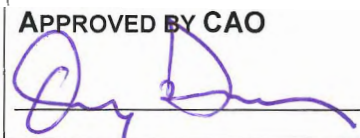
Staff Recommendation

That the concept proposal and installation for the Minoru Complex Entries and Arrivals public artwork "Leaf Sails" by artist Douglas Taylor, as presented in the report titled "Minoru Complex Entries and Arrivals Public Art Concept" from the Director, Arts, Culture and Heritage Services, dated December 12, 2016, be endorsed.

per Jane

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

Att. 4

REPORT CONCURRENCE		
ROUTED TO:	CONCURRENCE	CONCURRENCE OF GENERAL MANAGER
Capital Buildings Project Development Finance Department Parks Planning and Design Recreation & Sport Services	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	
REVIEWED BY STAFF REPORT / AGENDA REVIEW SUBCOMMITTEE	INITIALS: DW	APPROVED BY CAO 

Staff Report

Origin

At the October 14, 2014 Council meeting, Council formally endorsed the Minoru Civic Precinct Public Art Plan as the guiding plan for public art opportunities in the Minoru Civic Precinct, including the proposed Minoru Complex.

This report presents the recommended artwork concept for the Entries and Arrivals commission, a significant artwork to be integrated into the main east entrance plaza of the Minoru Complex.

This report supports Council's 2014-2018 Term Goal #2 A Vibrant, Active and Connected City:

Continue the development and implementation of an excellent and accessible system of programs, services, and public spaces that reflect Richmond's demographics, rich heritage, diverse needs, and unique opportunities, and that facilitate active, caring, and connected communities.

2.1. Strong neighbourhoods.

2.3. Outstanding places, programs and services that support active living, wellness and a sense of belonging.

2.4. Vibrant arts, culture and heritage opportunities.

Analysis

Minoru Civic Precinct Public Art Plan Vision for Entries and Arrivals

The vision for the Minoru Complex is to be exceptional, sustainable, accessible, synergistic, connected and a centre of excellence for active living and wellness. The public artwork for the Minoru Complex Entries and Arrivals area supports the broader project goals and guiding principles by:

- contributing to a sense of place;
- reinforcing the sense of entry and orientation for the complex;
- creating artwork of the highest quality; and
- reflecting the principles of sustainability.

Terms of Reference – Minoru Complex Entries and Arrivals Artwork

In late 2015, following several months of effort to develop an artwork for the Minoru Complex front entry plaza, the artist Sheila Klein and the City mutually agreed to end the contract for her work on the artwork. Staff issued a new terms of reference to artists across Canada. Having already completed the necessary consultation with stakeholders and the design team, the new Artist Call focused on a two-stage concept design competition to select a specific artwork proposal that will animate the entries and arrivals area of the new Minoru Complex.

The Public Art Terms of Reference for the Minoru Complex Entries and Arrivals Artwork (Attachment 1) describes the art opportunity, themes, site description, scope of work, budget, selection process, schedule and submission requirements. An artist call for submissions was issued on June 15, 2016, with a deadline of July 15, 2016. Eligibility was for professional artists residing in Canada.

Minoru Complex Entries and Arrivals Artwork - Public Art Artist Selection Process

Forty-five submissions by artists from across Canada were received during the first stage of the process. On September 14, 2016, following the Public Art Program's administrative procedures for artist selection for civic public art projects, a selection panel comprised of four Richmond residents and one Vancouver-area artist, shortlisted five artists and artist teams to advance to the second stage of this open competition. These artists were:

- Rebecca Bayer, Vancouver;
- Alyssa Schwann and Atelier Anonymous, Vancouver;
- Ronald Simmer and Maki Schmok, Burnaby;
- Douglas Taylor, Vancouver; and
- Charlotte Wall and Marie Khouri, Vancouver.

All five finalists responded to the themes “welcoming” and “water” to reflect Richmond’s significant connection to water, whether it is rain, a river or other forms of water.

The artists attended a site orientation with staff on October 4, 2016, and refined their concept proposals for submission to the City by October 28, 2016. The proposals from the five finalists were made available for public feedback online through LetsTalkRichmond from November 4 until November 17, 2016, and in the lobby of Richmond City Hall from November 3 to November 10, 2016. The intent of this public display was to increase awareness of public art and the process of selection, as well as to provide community members with the opportunity to comment on the five proposals. These comments were considered by the selection panel prior to its final recommendation.

Members of the selection panel included:

- Erik Holm, artist, Richmond resident;
- Shirley Khong, Minoru Seniors Society, Richmond resident;
- Heather Passmore, artist, Vancouver resident;
- Bonita Ruttkay, artist, Richmond resident; and
- Kathleen Wong, Richmond Field Hockey Club, Richmond resident.

On November 21, 2016, the selection panel met to interview the five shortlisted artist teams. Following thoughtful deliberation, the panel recommended the concept proposal *Leaf Sails* by artist Douglas Taylor for the Minoru Entries and Arrivals Artwork commission. The results from the public consultation were considered in their deliberations; a full summary of the public feedback on *Leaf Sails* from the LetsTalkRichmond survey is presented in Attachment 4.

Recommended Artist

Douglas Taylor is a Vancouver-area artist with extensive public art experience. He has completed three previous works in Richmond: *Ford Grove* (Coppersmith Corner Shopping Centre, 11388 Steveston Hwy), *Look Up, Look Down* (Shellmont Plaza, 11020 Williams Rd) and *Spotty the Dog* (Hamilton Fire Hall, 22451 Westminster Hwy.). His similar kinetic work in Vancouver includes *Khenko (Great Blue Heron)*, a fabric-sail wind mobile in George Wainborn Park on the shore of False Creek, which withstood the forces of the 2006 Greater Vancouver windstorm.

Further information about artist and examples of the artist's previous public art projects is contained in Attachment 3 to this report.

Recommended Public Art Concept Proposal

The proposed exterior location for the artwork will be in the east entrance plaza to welcome visitors and signal entry and arrival close to the main vehicle pick-up and drop-off point for the Minoru Complex. The artwork will be placed within one of the triangular islands located between the paths leading to the front entrances from the Granville Avenue drop-off zone. The planned planting in the island will be re-organized to allow for seating at the base of the sculpture, and to ensure that the rotation of the sails will be clear of any trees. With a height of approximately 35 ft., *Leaf Sails* will create a visible landmark that remains intimate and welcoming for enjoyment from the entry and plaza (Attachment 4).

The artist describes the artwork as follows:

"As metaphor, I chose to represent the vascular anatomy of the leaf for its potency as a renewable energy system of incredible efficiency. Clearly, the ability to photosynthesize water, sunlight and CO₂ into stored carbon energy while respiring oxygen to balance the biosphere is a process that enables our survival."

The sails of *Leaf Sails* are designed to catch the breeze and rotate a turbine. Counterweight spheres located at the base of each leaf contain miniature generators activated by their playful swinging action. This energy will be used to power concealed speakers to play sounds of water, birdsongs and other natural sounds, audible only to those in close proximity to the seating base of the sculpture. Lighting via programmed LEDs is proposed to add colour to the sails in the evening.

A technical review and coordination phase with the architect-led design team will be included with the Design Development phase of the artwork. The artist, City staff and design consultants will continue to meet to review construction coordination and implementation budgets.

On December 20, 2016, the Public Art Advisory Committee reviewed the selection process and the concept proposal and enthusiastically endorsed the *Leaf Sails* project, noting the strong support for the artwork through the community consultation process.

Financial Impact

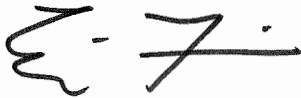
There is no new financial impact for this project.

The total public art budget for the Minoru Complex Entries and Arrivals public artwork is \$200,000 funded out of the approved Major Facilities Phase I Projects. Any repairs required to the artwork will be the responsibility of the Public Art Program. City funds for maintenance would be allocated out of the Public Art Program's annual operating budget.

Conclusion

The new Minoru Complex facility represents an opportunity to integrate public art to enhance the identity and vibrancy of the Minoru Civic Precinct. The *Leaf Sails* will assist in the renewal of the Minoru Precinct consistent with the goals of City Centre Area Plan offering a vibrant, urban environment for people and events, and providing an identity for the heart of the City.

Staff recommend that Council endorse the proposed concept and installation of the Minoru Complex Entries and Arrivals public artwork entitled *Leaf Sails*, by artist Douglas Taylor, as presented in this report.



Eric Fiss, Architect AIBC, MCIP, LEED AP
Public Art Planner
(604-247-4612)

- Att. 1: Terms of Reference for the Minoru Complex Entries and Arrivals Public Art
2: Summary of Public Feedback on *Leaf Sails*
3: Artist Resume
4: *Leaf Sails* Concept

call to artists



Figure 1. View of main arrivals plaza, Minoru Complex

Minoru Complex Entries and Arrivals Artwork

Request for Proposals (RFP)

June 2016

OPPORTUNITY

The Richmond Public Art Program, in partnership with the Minoru Civic Precinct development team and design consultants, is seeking an artist or artist team to create a site-responsive artwork for the entry and arrival zones of the new Minoru Complex, 7191 Granville Avenue, Richmond, B.C. All information about the project is contained herein.

This is a two-stage open artist call. Following review by the selection panel of the submitted artists' statements of interest and conceptual proposals, up to five artists will be shortlisted and invited to develop their concept proposals and attend an interview. An honorarium of \$2,000 will be paid to each of the shortlisted artists or artist teams.

Budget: \$200,000 CAD

Eligibility Requirements: Open to professional artists and artist teams residing in Canada.

Deadline for Submissions: Friday, July 15, 2016, 4:00 p.m. PDT

Installation: Installation in fall of 2017

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THEMES

The themes “*Welcoming*” and “*Water*” have been identified to provide a framework and point of departure for interested artists to develop their conceptual approach.

Artists are encouraged to consider the theme of *welcoming*, to provide orientation and a sense of arrival at the Minoru Complex.

As an island city, Richmond has a significant connection to *water*, whether it is in the form of rain or a river, for fishing or for human use. Artists are encouraged to consider and respond to Richmond’s island location and its connection to water. Literal use of water is not proposed due to environmental, safety and maintenance concerns. The artwork should take into consideration the idea of water in all its forms and Richmond’s unique geography as an island city.

The selected artist will have experience working with multiple stakeholders and the proven ability to fabricate their own work or to work with fabricators and installers.

The Minoru Complex is a multi-purpose facility. It is important to develop a strong aesthetic that signals entry and provides clarity of the building’s internal functions at the entrances. Public art, working in concert with architectural and landscape design, can invite building users towards the services and activities they are seeking.

The artwork may be a single piece, or a series of sequential pieces to create a sense of journey and present a unique narrative for multiple entry and arrival zones. The artwork(s) may also address wayfinding and help to express a visual connection for visitors and staff. By positioning artworks within the entry plazas, the selected artist will need to be mindful of the full range of activities and events that need to be accommodated at various times.

BACKGROUND AND CONTEXT

The City of Richmond has launched an exciting and ambitious capital building program in the Minoru Civic Precinct to address the current and future needs for recreation, sport and other community activities. The Minoru Civic Precinct, in Richmond’s City Centre neighbourhood, incorporates green space in the form of Minoru Park, as well as a variety of cultural attractions including the Richmond Public Library, Art Gallery and Cultural Centre. The Civic Precinct is also home to sports fields and existing facilities for aquatics and seniors.

Embracing the City’s vision to build a Centre of Excellence for Active Living and Wellness, the Minoru Civic Precinct capital program includes a new integrated, multi-purpose complex to house an aquatic centre, seniors centre and space for other recreation and community needs. Currently under construction, this 110,000 square foot complex will

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replace and expand services currently available at existing facilities in the Precinct.

The Guiding Principles adopted by City Council for the Minoru Civic Precinct reflect high expectations and will inform forward-thinking design, public art and community-building possibilities; Be Exceptional, Be Sustainable, Be Accessible, Be a “Centre of Excellence for Active Living and Wellness”, Be Synergistic and Be Connected.

LOCATION

The Minoru Complex entrance and arrivals areas are shown in Figure 2. Both the Entry Plaza—leading to the North and South Entrances—and the West Plaza are to be considered.

The Artwork locations will be limited to the landscaped islands indicated on the site plan. The plantings may be reconfigured to accommodate the proposal. Pathways must remain clear for service vehicles. Artists are encouraged to visit Minoru Park prior to submitting.

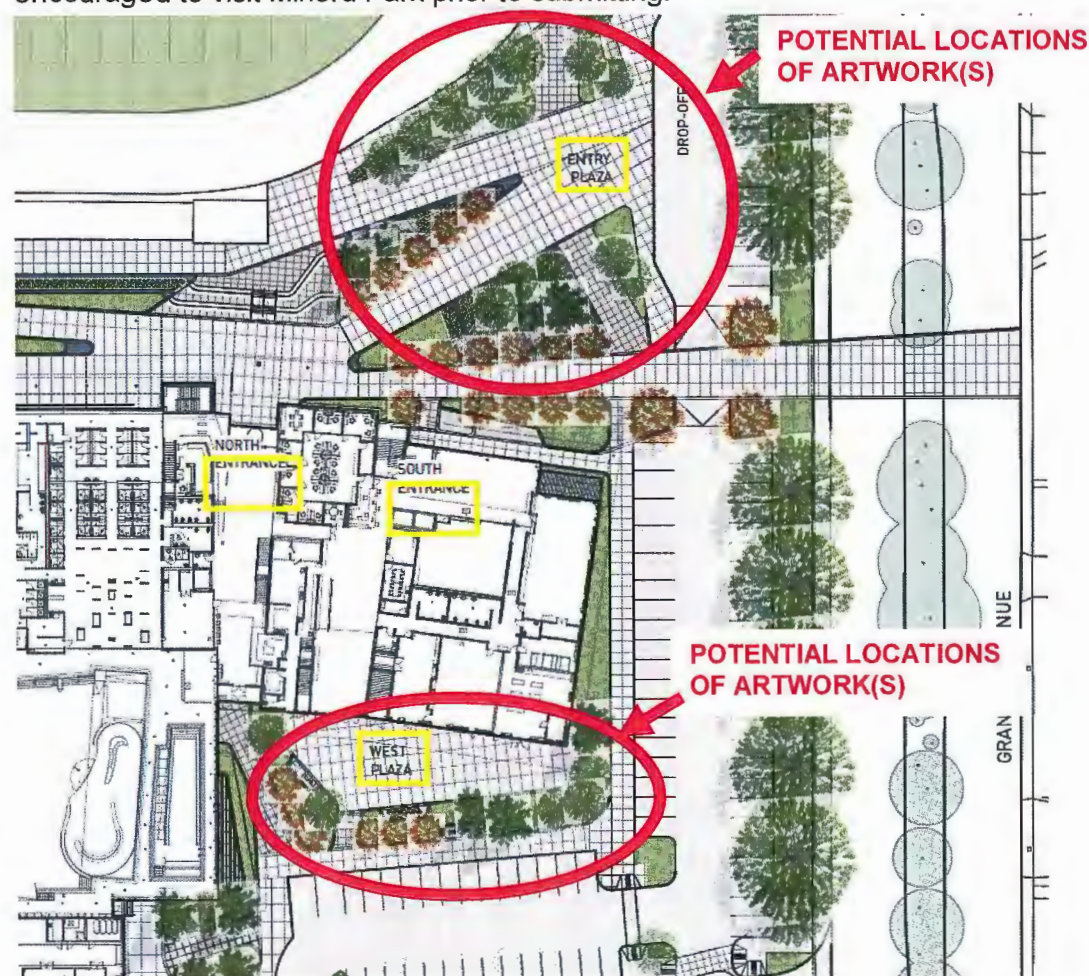


Figure 2. Site Plan. The consultant design team includes HCMA Architects and PWL Partnership

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BUDGET

The total budget established for this project is \$200,000 CAD. This budget includes (but is not limited to) artist fees, design, permitting as needed, engineering fees, fabrication, installation, photography, insurance and all taxes (GST excluded). Travel to Richmond and/or accommodation is at the artist's expense.

ARTIST ELIGIBILITY

This opportunity is open to artists or artist teams residing in Canada. Qualified artists will have proven experience developing artworks, specifically for civic projects. City of Richmond staff and its Public Art Advisory Committee members, selection panel members, project personnel, and immediate family members of all of the above are not eligible.

SELECTION PROCESS

A selection panel will recommend the artist/artist team through a two-stage open call process. For stage one, artists are asked to submit a preliminary idea or approach for the site. For stage two, artists will be asked to prepare detailed concept designs based on the preliminary proposals and attend a finalist presentation and interview. An honorarium of \$2,000 will be paid to each of the shortlisted artists or artist teams.

A selection panel comprised of three (3) art or design professionals, one (1) representative from the Aquatic Centre stakeholder group, and one (1) representative from the Seniors Centre stakeholder group will review the applicants' materials. Representatives from the design team will serve as advisors to the panel. Based on the selection criteria listed below, the panel will select up to five (5) finalists to develop their concept proposals.

The finalists will be invited to an orientation session to discuss the opportunity and constraints with City staff and the design team.

Prior to final review by the selection panel, the short-listed artists' proposals will be displayed to the public, both at City Hall and on-line. The intent of the public display is to increase awareness of public art and the process of selection. The public will be asked to comment on the proposals. These comments will be considered by the selection panel prior to its final recommendation.

On the basis of the second-stage presentation and interview, the selection panel will then recommend one artist or artist team to City Council for endorsement.

The panel reserves the right to make no recommendation from the submitted applications or finalist interviews.

Out-of-town finalists will be reimbursed for travel and lodging expenses to attend the orientation and interview in Richmond. If applying as a team, the allowance for travel may not fully reimburse all team members.

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ARTIST SELECTION CRITERIA

Submissions to the call will be reviewed and decisions made based on:

- Artistic merit of artist Statement of Interest and Conceptual Artist Sketch.
- Ability of the artwork to respond to the existing character of the site by taking into account scale, colour, material, texture, content and the physical characteristics of the location.
- Artist's capacity to work with other design professionals and stakeholders.
- Appropriateness of the proposal to the Public Art Program goals:
www.richmond.ca/culture/publicart/plans/policy

SUBMISSION REQUIREMENTS

Email all documentation as *one* (1) PDF document, not to exceed a file size of 5 MB to: publicart@richmond.ca

- INFORMATION FORM – Please complete the information form attached to this document.
- STATEMENT OF INTEREST – 300 words (or less) that explain why the artist/team is interested in this opportunity and how their practice relates to this project and the posted selection criteria. If applying as a team, please address how team members work together in the statement of interest. Please include this clearly on a separate line at the beginning of your Statement of Interest.
- CONCEPTUAL ARTIST SKETCH – (1 page maximum) a preliminary concept visualization to accompany the Statement of Interest and how you are responding to the posted selection criteria.
- ARTIST CV – Two page (maximum) current professional resume. Teams should include two-page resumes for all members as one document. PDF format is preferred; Text (.txt) files will also be accepted.
- DIGITAL IMAGE WORK SAMPLES – Applicants must submit **12 samples of past work** that best illustrate their qualifications for this project. Upload JPG files only; images must be under 2MB, exactly 1920 pixels on the longest side and at least 72dpi. If applying as a team, the team submits no more than 12 images.
- REFERENCES – Three (3) references who can speak to your abilities, skills and accomplishments. Please provide name, title and contact telephone number and/or email.

SOURCES FOR ADDITIONAL INFORMATION

[THE MINORU CIVIC PRECINCT DEVELOPMENT](#)

[THE CITY OF RICHMOND](#)

[THE MINORU CIVIC PRECINCT ART PLAN](#)

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PROJECT TIMELINE

Submission Deadline:	Friday, July 15, 2016, 4:00 p.m. PST
Finalist Notifications and Site Orientation:	Late July 2016
Second-stage Display:	September 2016
Finalist Interview:	Thursday, September 15, 2016
Completion:	Fall 2017

SUBMISSION GUIDELINES

1. All supporting documents must be complete and strictly adhere to these guidelines and submission requirements (above) or risk not being considered.
2. All submissions must be formatted to 8.5 x 11 inch pages. Portfolio images and concept sketches would be best formatted to landscape format.
3. Submission files must be 5 MB or smaller.
4. If submitting as a team, the team should designate one representative to complete the entry form. Each team member must submit individual resume/curriculum vitae. (See Submission Requirements)
5. All documents must be sent by email to publicart@richmond.ca

ADDITIONAL INFORMATION

1. The selected artist will be required to show proof of WCB coverage and \$2,000,000 general liability insurance.
2. 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 Artist Call as required.
3. All submissions to this Artist Call 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 in the concept proposal. 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.
4. Extensions to the submission deadline will not be granted under any circumstances. Submissions received after the deadline and those that are found to be incomplete will not be reviewed.

QUESTIONS

Please contact Eric Fiss, Public Art Planner:
Tel: 604-247-4612
E-mail: publicart@richmond.ca

Summary of Public Feedback on *Leaf Sails*

Submission No. 4: Doug Taylor

Question 1: I feel that the above proposal demonstrates artistic merit by enhancing the visual environment of Minoru Park:

Yes:	71%
No:	18%
I'm not sure:	11%

Comments:

- Beautiful!
- Beautiful. Like the concept and visual interpretation. Also, the bird song. Island by nature.
- This reflects the trees in the park and is at least representative of the area
- Wonderful concept of wind generating energy and actually powering something but bird song has potential to be annoying. Why not actually power something that runs? Like a nearby lamp post? A plaque explaining how the 2 are connected would be so interesting
- Moving art pieces require more maintenance and can be damaged in high wind
- It's beautiful
- Best idea ever. Solar & wind powered art work is perfect
- Poetic, love the bird song sounds produced by wind. Shadow, light, movement and sound is lovely.
- I like the natural element that makes it feel like a natural fit for a park. Also it looks engaging and would be an interesting focal point.
- A bit big though would be concerned about storms
- Like rationale of conservancy and from the aesthetic point of view the image is beautiful.
- Universal theme better suits Minoru than remaining entries. Visuals as depicted strike me as under-developed; a LOT more could be done with this.
- Lacks beauty. Too mechanical looking
- It's very elaborate and has appeal to environment issues.
- The vertical mast blends well with the vertical lines of the building, while the undulating shapes of the leaves offer visual interest.
- This project is relevant to the site and to Richmond.
- prefer a wind mill
- like this simple yet meaningful design, but may be too mono-chromatic, and not eye catching
- This is by far the most appropriate.
- Boring -- too much like similar structures in Vancouver false creek
- Pretty, but save the hundreds of thousands and use it for subsidized housing.
- I like the sound idea of the birdsong, looks visually pleasing
- More to do with Richmond as a whole! not representing only one ethnic group. There are trees and leaves all over Richmond and are a wonderful, useful organic item. They clean the air of pollution and add oxygen for all life. Good Choice!!
- I like the nature concept
- Interesting
- Oh, yes. Creative, evocative, environmental, inspiring.
- Big, moves, leaves fit in with Minoru Lakes but they are a long way away. It enhances the visual environment but no relationship to Minoru Park. Could be anywhere.

- I like this as it has broad appeal
- prefer real trees
- The concept of the veinous leaves has artistic merit, but the assembly needs to be a bit bolder!
- Art that melds with nature would definitely enhance and bring focus to the green space of the new development.
- Universal theme better suits Minoru than remaining entries. Visuals as depicted strike me as under-developed; a LOT more could be done with this.
- Interesting! But, not Richmond specific by subject.
- This is the most attractive of the options I've seen so far, light and visually interesting and drawing the eye up to the sky.
- Overall, I like this but I'm worried about the height of it, and the potential impact on real birds - similar to windmills and cell towers.
- This beautiful looking and I love the moving/living aspect.
- beautiful, unique, interesting, timeless, will be interesting for many years to come, appeals to people of all ages
- I LOVE, LOVE, LOVE the idea of the energy being produced into bird song. Such an eye-catching piece to begin with. The movement and sound aspects will definitely catch the eyes and ears of others as well.

Question 2: I feel that the above proposal represents the character of the new Minoru Complex (scale, colour, material texture, content, physical location):

Yes: 65%
 No: 22%
 I'm not sure: 14%

Comments:

- The fact that it moves makes it seem to fit with the theme of the location better.
- As represented here, the simple lines complement the building's design
- This is an imaginative use of scientific knowledge. Great idea.
- It seems to have the right scale, colour and "content."
- Great choice!! Represents clean air (take pollution out of the air) and add oxygen for all of us. Represents all living organisms.
- The shape... and movement! Now this is beyond the pedantic of all other submission. This one moves me, deeply.
- Hopefully there will be some real trees for actual birdsong too
- It's a modern sculpture consistent with the new and modern era that the centre is projecting.
- I like the representation of nature, and that the piece is not ostentatious--the dragon was quite showy
- No...This is quite abstract and people would not see it. Similar to those awful red nets at the Oval. What is the purpose of them? You cannot see them unless you are stopped at the red light of Gilbert.
- Maybe makes the leaves spin and generate power like a wind turbine and save me some more taxpayers dollars on the complex's hydro bill.
- Metal that is not one for rusting I hope.
- Display needs to be a bit bolder and more dramatic; design as illustrated is a bit feeble!
- wonder how the fine design on the art work can be viewed if it's situated high up - also like it to be more colourful; like the idea of bird song
- Focusing on nature but using modern materials fits with the context of the new facility.
- I feel like Richmond is a leader in green initiatives so this fits in our city centre.

- No colour...Leaf idea is good...but the lack of colour depletes energy. The movement would create energy.
- interesting in that it joins nature and manmade elements, strength and fragile at the same time
- Except for color (needs development: how about changing colors projected upon or radiating from the leaves? With sufficient control to display, for example, rotating seasonal colors daily with thematic occasional colors.
- Green energy, green city.
- Beauty in simplicity. Easily relatable from the standpoint of a wide variety of cultures.
- All one colour but effective
- Like that the structure doesn't have to rely on electricity to get it moving.
- No beauty
- My number ONE choice.
- Would like to see curved supports for the leaves to give it a more organic look. The straight rods and pole lack the elegance of the leaves. But the concept is exquisitely lyrical. I LIKE IT! It's always changing, rain or shine, times of day. NICE!

Question 3: I feel that this artwork would enhance my experience when visiting the new Minoru Complex:

Yes: 58%
 No: 26%
 I'm not sure: 15%

Comments:

- Many positive aspects- it moves, makes sounds and is symbolic
- Soaring and calming all at once.
- Provided it provides a useful function as well
- Go with this one
- I am delighted by the concept of this piece and think with some design developments to the support structure, the piece would be a delightful addition to the park. A great visual interest to children, adults and elders. Maybe dogs and birds too! :)
- There's not enough obvious meaning
- Top of my list. It reminds me of some of the sound machines at Science World.
- I like the concept. It will be eye-catching. Perhaps it could be bigger and more dominating.
- I like the idea of bird songs being incorporated into this piece. Imaginative!
- this I would enjoy looking at and I would not be ashamed to say I attend the new centre.
- Absolutely. This, too, is deeply universal. I will be very proud to show this to visitors from afar. NOT embarrassed, as I would be with any of the others.
- Contemporary
- not so warm to me
- This could be a reminder of all the leaves we've lost due to many tree removals for redevelopment, especially on single family home lots
- May be too dull
- I would worry about cleaning, maintenance and safety of the piece
- How does artwork "enhance" the use of a pool??
- Would catch my attention and lead me to ponder art and what it is for a few moments
- Could be a bit of a fun experience
- The artist's previous work in Richmond has adopted similar concept and methodology.
- Yes I could see myself spending time looking at this sculpture and feeling inspired by it.
- Concept is good, but assembly needs work - bolder, visually stronger!

- I love mobiles
- The bird song sound generated should enhance the park aspect of minoru a lot.
- Though it would be nice if the energy generated were used to power something inside the complex, or some outdoor lights.
- Love this one. It looks perfect In the cyber age.
- It would make me smile and want to spend some time with it.
- Impressive

Biography Douglas Taylor

Doug Taylor was born in Chilliwack, BC in 1947. Kinetic in nature, his public installation sculpture has focused largely on wind, water and solar powered features. Whimsical, folk art inspired elements are often signature to his work. Addressing the global challenge of sustainability his current sculptures are "generating capital" by selling excess electrical power back to BC Hydro. These energy systems also feature listening stations which help remind us of sounds that are ever present in the natural world, but often unnoticed. The challenge is to integrate ecological, historical, social and aesthetic considerations, contextualizing them into the site specific values of place.

Doug lives in Vancouver, BC

Previous Works Douglas Taylor



1952 Ford Grove, 2000

Location: Coppersmith Corner, Richmond, BC
Client: Westbank Inc



Spotty the Dog, 2006

Client: City of Richmond
Location: Hamilton Fire Hall, Richmond



Purple Martin Spiral, 2004

Client: Jawl Corporation
Location: Selkirk Waterfront, Gorge Harbour, Victoria, BC



Khenko (Great Blue Heron), 2006
 Client: Lt. Gov. Dr. David Lam
 Location: George Wainborn Park, Vancouver



Bird Song Listening Station, 2008
 Client: City of Seattle
 Location: Fischer Pavilion, Seattle Center



Pioneer Spirit, 2010
 Client: City of Coquitlam / Maillardville
 Location: Makin Park, Coquitlam

Concept *Leaf Sails* Douglas Taylor

As metaphor, I chose to represent the vascular anatomy of the leaf for its potency as a renewable energy system of incredible efficiency. Clearly the ability to photosynthesize water, sunlight and CO₂ into stored carbon energy while expiring oxygen to balance the biosphere is a process that enables our survival. The leaf is a biological converter of immense capacity. It feeds us, it keeps us warm and puts gas in our tank.

These *Leaf Sails* catch the breeze and rotate the turbine.
Miniature generators will be installed inside the spheres, the result will be heard in bird song.

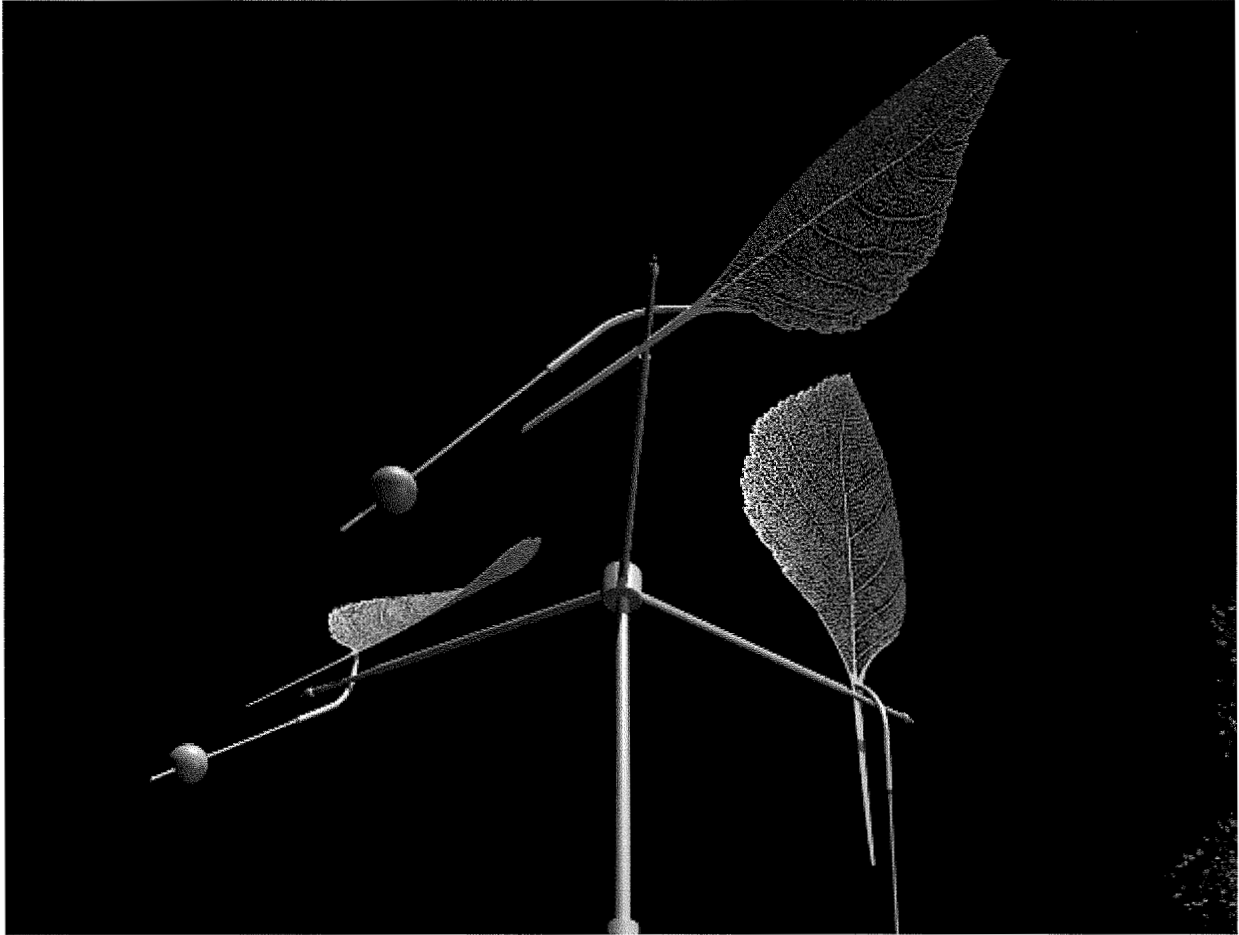
In strong winds the sails self-govern by rotating 360 degrees.
They perform a delightful dance in the breeze.



Location. At a height of approximately 35 ft., *Leaf Sails* will create a visible landmark that remains intimate and welcoming for enjoyment from the ground at the Entry Plaza location.

Note: This perspective is for illustrative purposes only and the final location of *Leaf Sails* will be determined through the technical review and co-ordination phase.





Maintenance Free Operation. Self-governing sails made from Stainless Steel and the use of ceramic bearings will ensure maintenance free longevity.

Poetic Metaphor: A circle of letters embedded in the landscape pavement is proposed to surround the base.

*We shall not cease from exploration
And the end of all our exploring
Will be to arrive where we started
And know the place for the first time.*

TS Eliot