



Public Works & Transportation Committee

**Anderson Room, City Hall
6911 No. 3 Road**

**Wednesday, September 24, 2014
3:30 p.m.**

Pg. # ITEM

MINUTES

PWT-3

*Motion to adopt the **minutes** of the meeting of the Public Works & Transportation Committee held on Wednesday, July 23, 2014.*



NEXT COMMITTEE MEETING DATE

Wednesday, October 22, 2014, (tentative date) at 4:00 p.m. in the Anderson Room

ENGINEERING AND PUBLIC WORKS DEPARTMENT

1. **TOILET AND CLOTHES WASHER REBATE PROGRAM UPDATE**
(File Ref. No. 10-6060-02-01) (REDMS No. 4333310)

PWT-10

See Page PWT-10 for full report

Designated Speaker: Lloyd Bie

STAFF RECOMMENDATION

That:

- (1) *the City allocate \$20,000 from existing Water Utility operating accounts to the Clothes Washer Rebate Program; and*

Pg. # ITEM

- (2) *the CAO and the General Manager, Engineering and Public Works, be authorized to update the agreement with BC Hydro to include the additional funding.*

2. **MUNICIPAL ACCESS AGREEMENT WITH TERASPAN NETWORKS INC.**

(File Ref. No. 10-6060-01) (REDMS No. 4267964)

PWT-13

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

Designated Speaker: Lloyd Bie

STAFF RECOMMENDATION

That the Chief Administrative Officer and the General Manager, Engineering & Public Works be authorized to execute, on behalf of the City, a Municipal Access Agreement between the City and TeraSpan Networks Inc. containing the material terms and conditions set out in the staff report titled Municipal Access Agreement with TeraSpan Networks Inc., dated August 11, 2014, from the Director, Engineering.

3. **MANAGER'S REPORT**

ADJOURNMENT



Public Works & Transportation Committee

Date: Wednesday, July 23, 2014

Place: Anderson Room
Richmond City Hall

Present: Councillor Linda Barnes, Chair
Councillor Chak Au
Councillor Derek Dang
Councillor Linda McPhail
Councillor Harold Steves
Mayor Malcolm Brodie

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 & Transportation Committee held on Wednesday, June 18, 2014, be adopted as circulated.

CARRIED

NEXT COMMITTEE MEETING DATE

Wednesday, September 17, 2014, (tentative date) at 4:00 p.m. in the Anderson Room

ENGINEERING AND PUBLIC WORKS DEPARTMENT

1. **FLOOD PROTECTION UPDATE 2014**
(File Ref. No. 10-6060-04-01) (REDMS No. 4265796)

In reply to queries from Committee, Lloyd Bie, Manager, Engineering Planning, provided the following information:

- staff did not receive many complaints related to rainfall this year;

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- staff liaise with the Vancouver Airport Authority with regard to dike planning for the Burkeville area;
- the City is well protected against potential future floods;
- the City's flood protection strategies are unique in that they are shaped by the rise and fall of the Pacific Ocean as oppose to freshet; and
- the City's flood protection strategies account for subsidence; for instance, of the 1.2 metres anticipated sea level rise, 0.2 metre is for subsidence.

Discussion ensued regarding the report titled *The Economic Importance of the Lower Fraser River* published by the Richmond Chamber of Commerce, in partnership with other Chambers of Commerce.

Robert Gonzalez, General Manager, Engineering and Public Works, noted that since the release of the report, which the City was not consulted on, staff have been working with the Richmond Chamber of Commerce to ensure that consistent information is disseminated to the public in regards to the City's flood protection. Also, Mr. Gonzalez noted that the City has proactively initiated many studies related to flood protection and has robust flood protection strategies.

In reply to further queries from Committee, Mr. Bie and Mr. Gonzalez provided the following information:

- staff anticipate bringing forward two submissions for backup generators at two drainage pump stations as part of the City's capital budget process;
- in the event of a power failure, staff can utilize mobile generators at drainage pump stations that are not equipped with backup generators; and
- Port Metro Vancouver (PMV) held a head lease for Shady Island; however it has expired, which reverted ownership back to the Province.

Discussion further took place regarding the report titled *The Economic Importance of the Lower Fraser River*, and it was noted that much of the information in the report is misleading in regards to City's flood protection infrastructure.

As a result of the discussion, the following **motion** was introduced:

It was moved and seconded

That the staff report titled, Flood Protection Update 2014, dated June 23, 2014, from the Director, Engineering, be received for information, be forwarded to Council for information, and be published on the City website.

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The question on the motion was not called as staff was directed to prepare a press release in relation to the report titled *The Economic Importance of the Lower Fraser River*.

Also, Committee referenced a staff memorandum dated July 16, 2014 from the Director, Engineering titled 'Lower Mainland Regional Flood Management Strategy' (copy on file, City Clerk's Office), noting that the content of the memorandum is noteworthy and should be made available to the public.

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

2. **EAST RICHMOND AGRICULTURAL WATER SUPPLY**

(File Ref. No. 10-6060-04-01) (REDMS No. 4266052)

In reference to the report titled *The Economic Importance of the Lower Fraser River*, it was noted that, if the River were dredged to 18 metres to accommodate the increasing draft of ships, it could potentially result in a portion of Richmond eroding into the River. Also, discussion took place regarding the salt wedge.

In response to comments made by Committee, Mr. Bie advised that staff will continue to monitor the salt wedge as it relates to salinity in the north and south arm of the River.

It was moved and seconded

That the report titled East Richmond Agricultural Water Supply Update 2013 as attached to the staff report titled East Richmond Agricultural Water Supply, dated June 27, 2014, from the Director, Engineering, be used as input in the five year capital program process.

CARRIED

3. **FRASER RIVER DREDGING AND ENVIRONMENTAL CONSIDERATIONS FOR STEVESTON HARBOUR AND STURGEON BANK**

(File Ref. No. 10-6150-01) (REDMS No. 4239913)

In reply to queries from Committee, Mr. Bie, accompanied by Lesley Douglas, Manager, Environmental Sustainability, provided the following information:

- staff have participated in a series of discussions with PMV to investigate potential habitat restoration works at Sturgeon Bank;
- discussions with PMV focused on establishing appropriate baseline reporting, goals, objectives, and next steps required to determine the feasibility of restoration work; and

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- preliminary restoration strategies were discussed with PMV, including the deposit of dredge materials in the tidal flats, intended to abate erosion of both the mudflats and the foreshore march leading edge.

Discussion took place regarding the City's access to the River and the potential removal of the adjacent red zone.

In response to comments made by Committee, Mr. Bie and Ms. Douglas advised that staff will continue to liaise with PMV regarding the location of sand piles and the different manners in which marshes can be created.

The Chair commented on the significance of the staff report and requested that staff report on this matter annually. Also, it was noted that the staff report be forwarded to Council for its information and be published on the City website.

As a result, the following **motion** was introduced:

It was moved and seconded

That the staff report titled Fraser River Dredging and Environmental Considerations for Steveston Harbour and Sturgeon Bank, dated June 30, 2014, from the Director, Engineering, be received for information, be forwarded to Council for information, and be published on the City website.

CARRIED

4. **CIGARETTE BUTT RECYCLING PROGRAM**

(File Ref. No. 10-6370-01) (REDMS No. 4245647)

In response to a query from Committee, Dr. James Lu, Medical Health Officer, Vancouver Coastal Health, commented on joint initiatives with the City in regards to public awareness of provincial and local regulations related to smoking.

It was moved and seconded

(1) *That the staff report titled Cigarette Butt Recycling Program, from the Director, Public Works, dated June 25, 2014, be received for information; and*

(2) *That staff work with Vancouver Coastal Health Authority on strategies to reduce cigarette butt litter at the locations identified in the staff report titled Cigarette Butt Recycling Program, from the Director, Public Works, dated June 25, 2014.*

CARRIED

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5. **REPORT 2013: ACHIEVING GOALS THROUGH COMMUNITY ENGAGEMENT**

(File Ref. No. 10-6375-05) (REDMS No. 4258490)

The Chair highlighted that the City has achieved 70% waste diversion from single-family homes, and thanked those involved in attaining this milestone.

In reply to a query from Committee, Suzanne Bycraft, Manager, Fleet and Environmental Programs, advised that staff anticipate reporting on the City's pilot program for food scraps and organics collection for multi-family in the fall.

It was moved and seconded

That the annual report titled, Report 2013: Achieving Goals Through Community Engagement be endorsed and made available to the community through the City's website and through various communication tools including social media channels and as part of community outreach initiatives.

CARRIED

6. **GRAYBAR ROAD DRAINAGE AND SANITARY MAIN REPLACEMENT**

(File Ref. No. 10-6000-01) (REDMS No. 4255539)

In accordance with Section 100 of the *Community Charter*, Councillor Linda McPhail declared herself to be in a conflict of interest as her husband's business was affected by the Graybar Road drainage and sanitary main replacement and left the meeting (4:44 p.m.).

It was moved and seconded

That funding of \$325,000 from the Sanitary Utility Reserve and \$275,000 from the Drainage Utility Reserve be included as an amendment to the 5 Year Financial Plan (2014-2018) to complete the Graybar Road Drainage and Sanitary Main Replacement Project.

CARRIED

Cllr. McPhail returned to the meeting (4:45 p.m.).

7. **2014 CORPORATE ENERGY MANAGEMENT UPDATE**

(File Ref. No. 10-6000-01) (REDMS No. 4258807)

It was moved and seconded

That the staff report titled 2014 Corporate Energy Management Program Update, dated June 25, 2014, from the Director of Engineering, be received for information.

CARRIED

5.

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8. **ELECTRIC VEHICLE PROMOTION AT COMMUNITY EVENTS**
(File Ref. No. 10-6000-01) (REDMS No. 4258974)

Brendan McEwen, Manager, Sustainability, provided background information.

It was moved and seconded

That the City's participation in the Emotive electric vehicle initiative, as described in the staff report titled Electric Vehicle Promotion at Community Events, dated June 16, 2014, from the Director, Engineering, be endorsed.

CARRIED

9. **ALEXANDRA DISTRICT ENERGY UTILITY EXPANSION PHASE 3**
(File Ref. No. 10-6600-10-02/2014) (REDMS No. 4180584 v. 25)

In reply to queries from Committee, Alen Postolka, District Energy Manager, advised that the proposed expansion (Phase 3) of the Alexandra District Energy Utility (ADEU) will (i) triple its capacity, and (ii) connect approximately 60% to 70% of its total build out.

It was moved and seconded

That:

- (1) the expansion of the Alexandra District Energy Utility include additional geoexchange fields in the West Cambie Neighbourhood Park, with supplemental conventional energy systems for back up, as presented in the staff report titled Alexandra District Energy Utility Expansion Phase 3, dated July 3, 2014, from the Director, Engineering, be endorsed; and*
- (2) capital submissions totalling \$12.3M for design, construction and commissioning of the ADEU Phase 3 be submitted for Council's consideration as part of the City's Five Year Financial Plan (2015-2019).*

CARRIED

10. **MANAGER'S REPORT**

(i) Port Metro Vancouver Study

Victor Wei, Director, Transportation, spoke on an upcoming transportation study spearheaded by PMV, and noted that a detailed memorandum to Council is forthcoming.

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(ii) TransLink – Compass Card

Mr. Wei advised that TransLink has delayed the rollout of the compass card program due to technical difficulties. He noted that the compass cards and their reading devices have been continuously performing inconsistently and therefore, TransLink has not set an anticipated rollout date.

(iii) Crosswalk Traffic Signals

In reply to a query from Committee regarding the effectiveness of crosswalk traffic signals, Mr. Wei advised that staff will be conducting a compliance assessment at the commencement of the school year. He noted that selected crosswalks will be observed and staff will report back with their findings.

In reply to further queries from Committee, Mr. Wei advised staff will also provide current statistical information related to accidents.

ADJOURNMENT

It was moved and seconded
That the meeting adjourn (4:55 p.m.).

CARRIED

Certified a true and correct copy of the Minutes of the meeting of the Public Works & Transportation Committee of the Council of the City of Richmond held on Wednesday, July 23, 2014.

Councillor Linda Barnes
Chair

Hanich Berg
Committee Clerk



To: Public Works and Transportation Committee **Date:** August 27, 2014
From: John Irving, P.Eng. MPA **File:** 10-6060-02-01/2014-Vol 01
Director, Engineering
Re: Toilet and Clothes Washer Rebate Program Update

Staff Recommendation

That:

1. the City allocate \$20,000 from existing Water Utility operating accounts to the Clothes Washer Rebate Program; and
2. the Chief Administrative Officer and the General Manager, Engineering and Public Works, be authorized to update the agreement with BC Hydro to include the additional funding.

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 (for)

Staff Report

Origin

At the March 24, 2014 Regular Council Meeting, Council adopted the following motions:

- (1) That the City partners with BC Hydro for a combined rebate program in May and October, 2014, which provides a minimum \$100 and maximum \$200 rebate (equally shared between BC Hydro and the City) for the replacement of an efficient clothes washer;
- (2) That the scope of the existing toilet rebate program be expanded to include clothes washer rebates; and
- (3) That the CAO and General Manager, Engineering and Public Works, be authorized to enter into an agreement with BC Hydro to execute this program.

The Clothes Washer Rebate Program report, dated March 3, 2014, from the Director of Engineering indicated that participation in the Clothes Washer Rebate Program would be limited to \$20,000. It also indicated that Staff would monitor participation levels and report back to Council with any revised funding level recommendations.

This report updates Council on the status of the Toilet Rebate Program and the Clothes Washer Rebate Program.

Analysis

Toilet Rebate Program

The City has issued 4,511 toilet rebates since 2010, when the Toilet Rebate Program was initiated. There have been 512 toilet rebates issued to date in 2014 and Staff estimate the program to be on track for 800 rebates by the end of this year. This figure matches the \$80,000 allocated for toilet rebates. The demand for toilet rebates continues to be strong and provides metered customers with a practical means to reduce their water bills.

Clothes Washer Rebate Program

This year, the City partnered with BC Hydro on the Clothes Washer Rebate Program for two promotions -- one that occurred in May and a second that is scheduled for October. The agreement offers matching rebates from the City and BC Hydro that provide an incentive for Richmond residents to purchase water and energy -efficient washing machines. Residents are eligible for combined rebates of \$100 or \$200, depending on the energy and water consumption rating of clothes washers purchased during the promotion. The City's agreement with BC Hydro limits the City's contribution to \$20,000.

Since the May promotion, BC Hydro has partnered with Home Depot and Samsung for the October promotion, with each of these organizations offering to match BC Hydro's rebate. The Home Depot rebate will apply to units purchased at Home Depot and the Samsung rebate will

apply to Samsung models. Including City participation, the rebate for a high-efficiency Samsung model purchased at Home Depot will be \$400.

Program participation has been higher than expected, with 173 rebates issued in May. The May promotion utilized \$16,900 of the \$20,000 allocated funding, leaving \$3,100 in allocated funding for the October promotion. Given the larger rebates that will be offered with the additional partners, it is anticipated that there will be higher levels of participation in the October promotion. As such, Staff recommend that a further \$20,000 be allocated from existing Water Utility operating accounts and that the agreement with BC Hydro be updated to limit participation in the October promotion to \$23,100.

Financial Impact

Staff recommend that \$20,000 be allocated from existing Water Utility operating accounts to the Clothes Washer Rebate Program. BC Hydro will cover all costs associated with program administration.

Conclusion

The City partnered with BC Hydro for the Clothes Washer Rebate Program that benefits both organizations through reduced water and power consumption. The program included two promotions – one that occurred in May and a second that is scheduled for October. The May promotion was more successful than anticipated and has utilized most of the allocated funding. Staff recommends that an additional \$20,000 be allocated from existing Water Utility operating accounts and that the agreement with BC Hydro be updated to reflect the additional funding to allow the City to continue to participate in the Clothes Washer Rebate Program.



Lloyd Bie, P.Eng.
Manager, Engineering Planning
(604-276-4075)

LB:lb



To: Public Works and Transportation Committee

Date: August 11, 2014

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

File: 10-6060-01/2014-Vol
01

Re: **Municipal Access Agreement with TeraSpan Networks Inc.**

Staff Recommendation

That the Chief Administrative Officer and the General Manager, Engineering & Public Works be authorized to execute, on behalf of the City, a Municipal Access Agreement between the City and TeraSpan Networks Inc containing the material terms and conditions set out in the staff report titled, "Municipal Access Agreement with TeraSpan Networks Inc.", dated August 11, 2014 from the Director, Engineering.

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

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

Staff Report

Origin

TeraSpan Networks Inc. have requested to install telecommunication infrastructure and equipment within dedicated highways, streets, roads, road allowances, lanes and bridges under the City's jurisdiction (collectively, the "Service Corridors"). To accommodate this request, a draft Municipal Access Agreement ("MAA") between TeraSpan and the City has been prepared.

Analysis

TeraSpan is a federally regulated telecommunications company providing telecommunications services in Canada and specializing in shallow-inlay processes. TeraSpan is proposing to install telecommunications infrastructure and equipment within the City of Richmond's Service Corridors. TeraSpan must obtain the City's consent to use the Service Corridors and this is typically accomplished through a MAA.

The City has MAAs with all telecommunications companies operating in the City. The proposed TeraSpan MAA will protect the City's interests and establishes the roles and responsibilities of both parties. The proposed MAA with TeraSpan will:

- Specify locations where the agreement will be applicable (i.e. the Service Corridors);
- Specify required consent for constructing, maintaining, operating, repairing and removing TeraSpan's equipment, and define the scope of the City's consent;
- Require TeraSpan to pay causal¹ costs to the City;
- Define the conditions which TeraSpan may carry out work;
- Enable the City to have access to information about TeraSpan equipment;
- Specify cost allocations for TeraSpan equipment to be relocated as a result of any municipal and third party projects;
- Minimize the City's liability due to TeraSpan's work or equipment;
- Permit shallow inlay fibre;
- Identify the initial term of the MAA to be one year, automatically renewable for successive one year periods thereafter;
- Define fees (eg. lost productivity costs, permitting and inspection costs, and pavement degradation) and their annual CPI increase;
- Require TeraSpan to assume environmental liability for any hazardous substances that they bring to or cause to be brought to the Service Corridors;
- Identify the insurance requirements TeraSpan must maintain; and
- Include mutual indemnity clauses.

¹ Causal costs are costs incurred as a result of additional effort and materials spent working around a private utility installation while maintaining or constructing public infrastructure

Financial Impact

None. Note that Companies that utilize City property as utility corridors pay an annual 1% tax to the City as per Section 192 of the Community Charter and Section 353 of the Local Government Act.

Conclusion

A Municipal Access Agreement between the City and TeraSpan will allow the City to better manage and regulate the installation and presence of TeraSpan equipment within the City's Service Corridors. The terms and conditions of the proposed agreement provide cost recovery for the City and protect the City's interests.



Lloyd Bie, P.Eng.
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Carlos J. Rocha, ASCT
Supervisor - Design Services
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LB:cjr