

**DISTRICT OF NORTH VANCOUVER  
COUNCIL WORKSHOP**

Minutes of the Council Workshop Meeting for the District of North Vancouver held at 5:02 p.m. on Tuesday, July 19, 2016 in the Committee Room of the District Hall, 355 West Queens Road, North Vancouver, British Columbia.

**Present:** Acting Mayor R. Hicks  
Councillor R. Bassam  
Councillor M. Bond  
Councillor J. Hanson  
Councillor D. MacKay-Dunn  
Councillor L. Muri

**Absent:** Mayor R. Walton

**Staff:** Mr. G. Joyce, General Manager – Engineering, Parks & Facilities  
Mr. D. Desrochers, Manager – Engineering Projects & Development Services  
Ms. C. Drugge, Manager – Construction Traffic Manager  
Ms. M. Samuda Poitras, Energy Manager  
Ms. L. Brick, Deputy Municipal Clerk  
Ms. S. Vukelic, Confidential Council Clerk

**1. ADOPTION OF THE AGENDA**

**1.1. July 19, 2016 Council Workshop Agenda**

**MOVED by Councillor MURI**

**SECONDED by Councillor BASSAM**

THAT the agenda for the July 19, 2016 Council Workshop be adopted as circulated.

**CARRIED**

**2. ADOPTION OF MINUTES**

**2.1. July 4, 2016 Council Workshop**

**MOVED by Councillor MURI**

**SECONDED by Councillor BASSAM**

THAT the minutes of the July 4, 2016 Council Workshop meeting are adopted.

**CARRIED**

### 3. REPORTS FROM COUNCIL OR STAFF

#### 3.1. Major Projects Update

File No. 16.8310.01/000.000

Mr. Gavin Joyce, General Manager – Engineering, Parks & Facilities, provided an introduction regarding the District's Energy Management Plan and an update on several major infrastructure projects around the District.

Ms. Monica Samuda Poitras, Energy Manager, reported that the total cost of energy used by the District in 2015 amounted to \$3.4 million. This includes all District facilities and the use of fleet fuels. She noted that the total energy used was 37.9 million equivalent kilowatt hours (ekWh), which produced a total of 4,376 tonnes of Green House Gas (GHG) emissions. It was further advised that the energy use by the District is equivalent to approximately 3,160 Canadian homes. She mentioned the average Canadian Household uses 12,000 ekWh a year, which is the highest in the world.

Ms. Samuda Poitras provided a breakdown by department of District energy use, GHG emissions and energy costs. She highlighted the following points:

- Buildings, Fleet and North Vancouver Recreation and Culture Commission (NVRC) have the highest energy (ekWh) use and GHG emissions;
- Buildings use more energy, generate more GHGs and expend more on energy than Fleet;
- Street Lighting represents the second highest energy cost after Fleet Fuels; and,
- The NVRC facilities are the largest consumer, emitter and cost centre among the Buildings.

Ms. Samuda Poitras advised that a third of the District's energy use is consumed by the North Vancouver Recreation Centres. She noted that pools and arenas consume the majority of the energy.

Ms. Samuda Poitras advised that the District's Strategic Energy Management Plan addresses the highest individual users; therefore, the NVRC Facilities, Buildings and Corporate Facilities are the first priority for energy efficiency projects.

Ms. Samuda Poitras explained the three step approach to the District's Strategic Energy Management Plan which includes the following:

- Avoid wasting energy, material, effort money and time;
- Reducing the energy used before finding a new source; and,
- Integrate capital renewal and operations with energy efficient efforts.

Ms. Samuda Poitras mentioned that the District is working towards reducing its Green House Gas Emissions by 30% by the year 2020.

Ms. Samuda Poitras advised that the closure of William Griffin Recreation Centre lowered the District's energy use by 10%.

Ms. Samuda Poitras explained that the Karen Magnusson Recreation Centre Energy Reduction Project had a major impact on reducing the energy used by the District. She noted the following energy efficient upgrades to systems at Karen Magnusson Community Recreation Centre:

- Heat recovery;
- Lighting;
- Building automation; and,
- Building envelope.

Ms. Samuda Poitras explained that the improvements made to Karen Magnussen Community Recreation Centre, combined with the new Delbrook Community Recreation Centre will reduce the total energy used below that of the 2013 energy usage levels recorded. She noted that investing in efficiency upgrades in existing infrastructure, in parallel to new construction, will offset the impact of energy used at the Delbrook Recreation Centre.

Ms. Samuda Poitras provided an overview regarding the cost of the improvements and the source of the funding. She noted the operational benefits of the upgrades, which include the following:

- Upgraded building equipment;
- Facility longevity;
- Positive comfort work and play spaces;
- No facility shut-down;
- Operator training; and,
- Dramatic GHG reductions.

Ms. Samuda Poitras provided an overview regarding the client benefits which include:

- Improved comfort;
- Temperature and humidity will be easier to regulate;
- Lighting has the proper brightness and colour; and,
- Fresh air circulation will be at a lower energy cost.

Council discussion ensued and the following comments were noted:

- Queried the longevity of the boilers with the improvements;
- Questioned where the operational savings are going with William Griffin Recreation Centre being out of operation;
- Questioned if the same energy saving principles currently used at Karen Magnussen Community Recreation Centre will be implemented at the new Delbrook Community Recreation Centre;
- Queried if Karen Magnussen Community Recreation Centre and Delbrook Community Recreation Centre will operate on the same controls; and,
- Commented regarding the colour temperature of the new street lighting that will be used.

Ms. Samuda Poitras explained that the boilers' longevity will increase with the new upgrades and that the same energy saving principles have been used at Karen Magnussen Community Recreation Centre and Delbrook Community Recreation Centre. She also noted that the up-graded LED lighting at Karen



Magnussen Community Recreation Centre is the same colour as before and will provide even light levels.

Mr. David Desrochers, Manager – Engineering Projects & Development Services, provided an update on several major infrastructure projects in the District.

Mr. Desrochers discussed the following projects that are underway:

- Keith Road Bridge cost \$14.5 million and is expected to open in the fall with surrounding trail work to be completed by the end of 2016;
- Mountain Interchange/Lower Lynn is in the pre-construction phase with land clearing and grubbing underway. Construction is expected to last until the end of 2018; and,
- Creek Flood/Debris Hazard Controls and Culverts have been assessed and prioritized based on the potential safety and economic risk. Work has begun to reduce the risks at Kilmer, Thames and Gallant Creeks.

Mr. Desrochers provided an overview of District infrastructure projects which will begin in the near future:

- Montroyal Bridge is eligible for Federal grant funding of up to two thirds of the total cost. Once funding is secured the project will be ready for construction;
- Lynn Valley Bike Lanes have been financed through grant funding and will widen three blocks of Lynn Valley Road to allow for bike lanes in both directions; and,
- Lynn Valley Road Underpass is a direct benefit from development in the Lynn Valley Town Centre. This project will widen the underpass and allow for the addition of a bike lane.

Mr. Desrochers discussed the upcoming infrastructure projects that include:

- Inter-River Refresh Plan which includes the feasibility of converting grass fields into turf fields and upgrading the lacrosse box. The BMX park was currently redesigned and a new retaining wall will be built along the north end of Dyke Road;
- Phibbs Exchange funding announcement has been made from senior levels of government; and,
- Dollarton Lift Station is being upgraded to provide sufficient capacity for the Cates Landing neighbourhood.

Mr. Desrochers reported on the District infrastructure projects which have recently been completed:

- Norgate Field House is a building that consists of public washrooms, and flexible space available for change rooms, meeting rooms for games, tournaments and public events. It also includes a small plaza and concession for teams to sell food and drink during games;
- Philip Overpass opened on July 6, 2016 and was constructed under the amount of the initial expected budget; and,
- Carisbrooke Rose Garden was designed and completed in 2016 as a replacement for the William Griffin Recreation Centre Rose Garden.

Discussion ensued regarding the fees associated with Highway Use Permits (HUPs).

4. PUBLIC INPUT

Nil

5. ADJOURNMENT

**MOVED by Councillor MURI**

**SECONDED by Councillor MACKAY-DUNN**

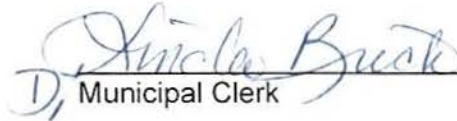
THAT the July 19, 2016 Council Workshop be adjourned.

**CARRIED**

(6:47 pm)



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Mayor



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Municipal Clerk