

Environmental Sustainability Advisory Committee - Minutes

Present:

Councillor Starchuk, Chair
D. Skaey, Vice-Chair
B. Lishanko
J. Zelazny
L. Bykowski
M. Sharma
N. Hogan
S. Sabharwal

Regrets:

A. Grewal
S. Mossop
S. VanKeulen

Staff Present:

A. Mathewson, Sustainability Manager
D. Harkness, Parking Services Manager
E. Kwok, Climate & Energy Analyst
M. Kischnick, Community Planner
M. Lin, Corporate Energy Specialist
R. Landucci, Forestry Manager
S. Godwin, Environment Manager
C. Eagles, Administrative Assistant

A. ADOPTION OF MINUTES

1. Minutes of April 25, 2018.

It was

Moved by M. Sharma

Seconded by J. Zelazny

That the minutes of the Environmental Sustainability Advisory Committee meeting held April 25, 2018 be adopted as presented.

Carried

B. DELEGATIONS**C. OUTSTANDING BUSINESS**

1. **Redwood Heights NCP Update**
Markus Kischnick, Community Planner
File: 6520-20

At the April 25, 2018 ESAC meeting, the Committee suggested staff provide more visuals on the Redwood Heights New Concept Plan (NCP). Staff provided a Power-Point presentation on the Redwood Heights Neighbourhood Concept Plan and highlighted the following additional information:

- Development Permit Areas that would apply to the NCP including Farm Protection, Hazard Lands and Sensitive Ecosystems.
- Design guidelines related to wildlife hubs and corridors including special road standards where roads cross wildlife corridors. This also included a proposed wildlife underpass across 24 Avenue, with a three metre high box culvert for wildlife movement. The wildlife culvert size was based on research into the minimum size required for deer movement to be successful.

- Information regarding the use of a Green DCC levy for the acquisition of Biodiversity Conservation Strategy wildlife corridor and Hub. The Redwood Heights NCP is the first NCP to include a development cost-charge for additional conservation parkland. Staff noted that under current parkland acquisition mechanisms without a levy, the City is limited on the amount of parkland it can acquire.
- The Redwood Heights Stage 2 NCP is expecting to go to the July 23, 2018, Council meeting for Council consideration and approval.

The Committee noted this plan proposed is the greenest to date and the first to include a Green DCC levy.

It was Moved by J. Zelazny
Seconded by L. Bykowski
That the Environmental Sustainability
Advisory Committee recommend that Council:

1. Support the Redwood Heights Neighbourhood Concept Plan area specific Green DCC levy to finance the acquisition of Green Infrastructure Network lands within the Redwood Heights NCP area; and
2. Request that Council direct staff to consider that all future Neighbourhood Concept Plans will include a high standard for environmental quality and protection and if viable, follow the same Green Infrastructure Network DCC levy strategy, as demonstrated in the Redwood Heights Neighbourhood Concept Plan.

Carried

The Committee noted the Redwood Heights Neighbourhood Concept Plan is a new standard for effectively planning for people, wildlife and agriculture.

D. NEW BUSINESS

1. **Energy Conversation – Focus on Buildings in Surrey**
Emily Kwok, Climate & Energy Analyst, City of Surrey
File: 5280-01

The delegation provided a Power-Point presentation on residential assistance and rebate programs in Surrey. The delegation highlighted programs available to residents to reduce energy in their households and the rebates available to consumers.

- The BC Step Code will mandate that all new buildings be net-zero ready and require little energy; however, existing buildings still consume energy and there are opportunities to retrofit buildings so they consume less energy.

- Staff noted there are implications converting from natural gas to electricity and existing buildings currently operating need to be more energy efficient. FortisBC has to pay the costs to deliver the energy to consumers, making it an advantage for both consumers and FortisBC to make homes and buildings energy efficient.
- Staff noted, in general, the emissions per capital per building are decreasing. 80% of energy consumed is for residents to heat their home. Consumers can obtain home renovation rebates on a variety of installations such as appliances, light bulbs, insulation, low-flow water devices, etc.
- Free turnkey programs are available for income-qualified households and have the potential to save up to \$150 for basic measures and save up to \$500 with insulations and furnace upgrades. The ECAP program is free for low-income households and includes installation of energy-efficient devices and an energy assessment.

2. Meeting Demand for Electric Vehicle Charging Infrastructure in Surrey

Dave Harkness, Parking Services Manager

File: 8310-01

Staff provided a Power-Point presentation on the response to growing electric vehicle (EV) charging demands in Surrey. Staff noted the benefits in adopting electric vehicles include noise and energy reduction and the positive impacts on climate. There is also the potential for lower operating costs given simpler powertrain components and reduced cost of electricity relative to gas. Staff highlighted the following key points:

- There are roadblocks to adopting electric vehicles such as the installations of chargers in Multi Unit Residential Buildings and there is no business case for the private sector to provide charging stations.
- The proposed policy to meet future EV charging demands is to require 100% of new residential parking spaces to include power sufficient for Level 2 EV charging.
- In 2014, the City began installing EV charging stations and anticipates 41 charging stations by the end of the year, as a means of meeting rapidly escalating public demand. The City's fleet currently holds 10 electric vehicles. The regulatory framework to charge consumers for using the charging stations is currently under review by the BC Utilities Commission.
- If the City does not act to require the installation of EV charging stations in new residential developments, residents living in multi-family units could be potentially removed from the market to purchase electric vehicles. It is likely residents will have the desire to purchase electric vehicles if they have somewhere to charge them. Staff are proposing that all new residential units have 100% of parking stalls equipped with power sufficient for Level 2 EV charging and new commercial buildings have 20% EV charging parking spaces (the latter subject to modification based on actual land use).

The Committee noted the difficulties in retrofitting existing parking spaces to meet EV charging capabilities.

It was

Moved by D. Skaey

Seconded by S. Sabharwal

That the Environmental Sustainability

Advisory Committee support the Electric Vehicle Charging Infrastructure Policy as presented, to meet future electric vehicle charging demand by requiring residential and commercial parking spaces to offer EV charging capabilities.

Carried

3. Corporate Energy & Emissions: 2017 Inventory

Michelle Lin, Corporate Energy Specialist

File: 5280-04

Staff provided a Power-Point presentation on the 2017 Corporate Emissions Inventory. Staff outlined where Corporate Greenhouse Gas (GHG) emissions are coming from within City owned facilities and resources.

The City is working towards finalizing the BC Energy Step Code and how to foster better behavior to education residents and create awareness. Staff noted the Biofuel facility will track the waste from vendors and a target of 20% reduction is anticipated by 2020 to make the carbon footprint zero. The transportation section is the largest source of GHG emissions in BC.

In response to questions from the Committee, staff noted they do not conduct any benchmarking against other communities in comparison to what Surrey is doing.

4. Sustainability Implementation Fund

Anna Mathewson, Sustainability Manager

File: Verbal Update

This item was deferred to the next meeting.

E. ITEMS REFERRED BY COUNCIL

F. CORRESPONDENCE

G. INFORMATION ITEMS

1. Agricultural Food Security Advisory Committee (AFSAC) Update

J. Zelazny noted that at the June 7, 2018, AFSAC meeting there was no applications related to the Environmental Sustainability Advisory Committee.

2. Corporate Report R120: Climate Action Revenue Incentive Program (CARIP) 2017 Reporting Requirements and 2017 Corporate Greenhouse Gas Emissions Inventory

File: 0512-02

H. OTHER BUSINESS

1. Surrey Fusion Festival Dishes Out New Green Initiatives

The annual Surrey Fusion Festival will now feature 100 per cent biodegradable plant-based straws and wooden cutlery.

2. Zero Waste Strategy

The Committee asked whether staff had a comprehensive strategy for waste reduction. Staff will ask that the Manager, Contracts and Solid Waste, provide an update on what the City is doing for waste reduction at an upcoming ESAC meeting.

I. NEXT MEETING

The next meeting of the Environmental Sustainability Advisory Committee will be held on July 25, 2018 at 6:00 p.m. in 2E Community Room B.

J. ADJOURNMENT

It was
Advisory Committee meeting do now adjourn.
Moved by D. Skaey
Seconded by N. Hogan
That the Environmental Sustainability
Carried

The Environmental Sustainability Advisory Committee adjourned at 8:10 p.m.

for 
Jane Sullivan, City Clerk

Councillor Starchuk, Chair

RECOMMENDATION:

1. **Redwood Heights NCP Update**
Markus Kischnick, Community Planner

That Council:

1. Support the Redwood Heights Neighbourhood Concept Plan area specific Green DCC levy to finance the acquisition of Green Infrastructure Network lands within the Redwood Heights NCP area; and
2. Request that Council direct staff to consider that all future Neighbourhood Concept Plans will include a high standard for environmental quality and protection and if viable, follow the same Green Infrastructure Network DCC levy strategy, as demonstrated in the Redwood Heights Neighbourhood Concept Plan.

Carried