

# *Environmental Sustainability Advisory Committee - Minutes*

2E - Committee Room B  
City Hall  
13450 - 104 Avenue  
Surrey, B.C.  
WEDNESDAY, MARCH 29, 2017  
Time: 6:02 PM  
File: 0540-20

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**Present:**

Chair – Councillor Starchuk  
L. Bykowski  
A. Luu, Youth Rep.  
S. Mossop  
K. Otting  
S. Sabharwal  
M. Sharma  
D. Skaey  
J. Zelazny (Rep. to AFSAC)  
S. VanKeulen (AFSAC Rep.)

**Regrets:**

N. Hogan  
G. James

**Staff Present:**

S. Godwin, Environment Manager, Engineering  
A. Mathewson, Sustainability Manager  
N. Aven, Urban Forestry Manager  
L. Luaifoa, Legislative Services

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Round table of introductions was held and new members were welcomed.

The agenda was varied.

**B. ADOPTION OF MINUTES**

1. Environmental Sustainability Advisory Committee Minutes of February 22, 2017, be approved.

It was

Moved by S. Mossop

Seconded by S. Van Keulen

That the minutes of Environmental

Sustainability Advisory Committee (ESAC) meeting held on February 22, 2017 be approved.

Carried

**C. DELEGATIONS**

1. **Science Fair Project Presentations**  
File: N/A - Verbal

**A) Bioplastics**

Swapnil, Grade 7 Student at F.D. Sinclair Elementary, provided a presentation on a Science Fair project re: Bioplastics.

The following comments were made:

- The purpose of the project was to determine which bioplastic would biodegrade faster between a gelatin based bioplastic or a cornstarch based bioplastic.

- The delegation advised that the hypothesis of the project was that the gelatin based bioplastic would biodegrade faster than the cornstarch based bioplastic due to the thinner consistency of the gelatin.
- This type of project was chosen by the student due to the growing pollution problem. It was noted that research shows plastics kill more than 10,000 marine and land animals each year in North America. The student further noted that the biggest issue with petroleum based products is that they do not biodegrade for hundreds of years; whereas bioplastics biodegrade much faster and are not as harmful to the environment.
- The experiment entailed the placement of the two bioplastics in soil and a comparison completed after 7 days. The result of the experiment was the cornstarch based bioplastic biodegraded before the gelatin based bioplastic. The student reported that the hypothesis was incorrect and the experiment did not support the hypothesis.
- The delegation noted that it would be helpful if bioplastics were used and if bioplastics were made in Canada, 70 million litres of oil would be saved each year.
- The delegation noted that the point of project was to remind people that cheaper is not always better and that cheaper plastics harm the environment every day.

**B) “Global Warming – The Dangerous impacts Worldwide”**

Ysabelle and Alana, Grade 7 students from Coyote Creek Elementary School provided a presentation on Global Warming.

The following comments were made:

- The delegation noted that Global Warming is dangerous and caused by the greenhouse effect where the heat from the sun is trapped in the lower atmosphere of the earth caused by incoming radiation from the sun, the end result is the heating of the earth. Greenhouse gases are toxins caused by the smoke from burning fossil fuel energy in factories and the gas and fuels used for vehicles, these toxins float up into the already heated atmosphere and add to the rising temperature of the earth.
- The delegation created a climate model to demonstrate the effects of Global Warming and how it can be decreased; the model focussed on plants, oceans and glaciers.
- There are many ways to target the problem of Global Warming and decrease its affects; however, driving less is the most effective way to reduce pollution. Turning off lights at home and changing from standard to LED lighting is also helpful.

**2. Kinder Morgan Trans Mountain Pipeline Project Update**

File: 8740-01/5500-16

Scott Neuman, Design and Construction Manager and Tony Capuccinello, Assistant City Solicitor, in attendance as follow-up to the February 22, 2017 ESAC meeting, to present on the original alignment of the project and Surrey's proposal to Kinder Morgan.

The following comments were made:

- Staff provided the background of the project and noted that the original pipeline was installed in 1953. In January to February, 2014, the City of Surrey began discussions with Kinder Morgan on the proposed pipeline route from Edmonton to Burnaby. Surrey Council by way of resolution did not support, in principal, any expansion that could negatively impact the City of Surrey.
- In April, 2014, Kinder Morgan filed an application (original pipeline alignment) to the National Energy Board (NEB). City staff reviewed the proposed route and filed Written Evidence to the NEB.
- The NEB approved the pipeline and imposed some of the conditions that Surrey (and other municipalities) presented during the initial oral hearing to the NEB. These conditions will reduce, but not completely eliminate negative impacts to the City.
- Staff noted that the City sought a re-alignment of the proposed pipeline outside of the Surrey Bend area. In March, 2017, Kinder Morgan filed the re-route proposal with the NEB.
- Staff explained the various routes proposed by Kinder Morgan as follows:
  - The existing pipeline alignment goes through Fraser Heights, down 108 Avenue and between the Port Mann Bridge and Pattullo Bridge, crosses the Fraser River.

**Original Proposed Alignment 2014**

- The original alignment proposed by Kinder Morgan and approved by the NEB diverged from the existing alignment around 184 Street. The proposed route went through the saw mill lands and through Surrey Bend Park, across the tracks and the South Fraser Perimeter Road, followed the bluff and back across the SFPR and the Fraser River.

**Proposed Re-routed alignment 2017**

- The re-route Kinder Morgan filed is now from 176 Street and SFPR. The alignment has been diverted to stay along the escarpment (long steep slope) and no longer would go through the saw mills or Surrey Bend Park. Trenchless drilling is planned for underneath the two wetlands.

- Staff noted that another significant change of the alignment is in the north. To protect the forest and habitat along the area, the pipe will be directionally drilled underneath the trees and wetlands.

In response to a question from the Committee, staff noted that upon being served as an affected property owner of the pipeline, the City then has 30 days to file an opposition. From staff's perspective, the City of Surrey will file statements and proceed with negotiations with the intent to minimize negative impacts.

## **C. OUTSTANDING BUSINESS**

## **D. NEW BUSINESS**

### **1. Surrey Green City Award**

Staff reviewed the Terms of Reference including the nomination and submission criteria and the Ranking Worksheet with the Committee. Staff noted that the Committee is responsible for reviewing submissions at a future closed ESAC meeting. The recipients of the awards will be notified and receive the awards on October 25, 2017. It was further noted that a notice of the awards will be advertised throughout social media and the newspapers.

## **E. ITEMS REFERRED BY COUNCIL**

## **F. CORRESPONDENCE**

## **G. INFORMATION ITEMS**

### **1. Agriculture and Food Security Advisory Committee (AFSAC) Update**

The AFSAC representative reported that there was no relevant information pertaining to the ESAC discussed at the March 2, 2017 meeting.

### **2. Development Advisory Committee (DAC) Update**

There was no DAC representative in attendance.

### **3. Coastal Flood Protection Strategy Update**

File: 5225-01

Staff noted that the session was well attended with participants from the City of Surrey, Fortis BC, Telus, BC Hydro, Metro Vancouver, BC Rail, Southern Railway of BC and the Ministry of Transportation.

Staff made a presentation outlining the various types of infrastructure, what the current state is and what the impacts are due to Sea Level Rise.

The session was facilitated by PIEBC. The attendees were divided into two groups to complete a ranking exercise. The information will be collected, synthesized and reported on later.

**4. Grandview Heights NCP #3 Citizen's Advisory Committee**

File: N/A – Verbal Update

Deborah Skaey, ESAC Representative to the Grandview Heights NCP #3 Citizen's Advisory Committee, provided the following comments:

- The introductory meeting was held at the Grandview Heights Aquatic Centre on March 28, 2017. Staff presented the current state; reviewed the boundaries of the Grandview Heights area and items of concern. The various departments of the City were in attendance: Parks, Transportation, Engineering and Heritage. One of the questions raised at the meeting was whether Surrey had conducted a market analysis before undertaking the NCP work.

The agenda was varied.

**A. ELECTION OF VICE CHAIR**

It was in order for the ESAC to elect a Vice Chair for 2017.

It was  
the 2017 calendar year.

Moved by S. Sabharwal  
Seconded by K. Otting  
That Deborah Skaey serve as Vice-Chair for

Carried

**H. OTHER BUSINESS**

**1. Party for the Planet**

The Chair noted that the free event will be held on Saturday, April 22 at City Hall Plaza from 10 am to 7 pm and encouraged members to attend. One of the presentations that will be at the event will be a "Tiny House".

2. **Special Recognition - Leona Breckenridge**

File: 0920-20

The Committee expressed their desire to recognize Surrey resident Leona Breckenridge posthumously for her contributions to the environment and the City of Surrey. It was recommended by the Committee that Council consider posthumously acknowledging Leona Breckenridge's environmental contributions to the City of Surrey at a future Council meeting.

RECOMMENDATION

It was  
Advisory Committee recommends that Council posthumously acknowledge Leona Breckenridge's environmental contributions to the City of Surrey at a future Council meeting.

Moved by S. Van Keulen  
Seconded by D. Skaey  
That the Environmental Sustainability

Carried

I. **NEXT MEETING**

The next meeting of the Environmental Sustainability Advisory Committee is scheduled for **Wednesday, April 26, 2017** at 6:00 p.m. at City Hall, in room 1E Committee Room B.

It was  
Advisory Committee meeting do now adjourn.

Moved by D. Skaey  
Seconded by S. Sabharwal  
That the Environmental Sustainability

Carried

The Environmental Sustainability Advisory Committee adjourned at 7:42 pm.

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Jane Sullivan, City Clerk

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Councillor Starchuk, Chair