

Environmental Sustainability Advisory Committee - Minutes

Present:

Chair – Councillor Starchuk
N. Hogan
G. James
K. Otting
S. Sabharwal
M. Sharma
D. Skaey
J. Zelazny (Rep. to AFSAC)
S. VanKeulen (AFSAC Rep.)

Regrets:

R. Bains
A. Idemudia (Youth Rep.)
G. Sahota (Rep. to DAC)
J. Young

Staff Present:

S. Godwin, Environment Manager
N. Aven, Urban Forestry & Envir. Manager
M. Osler, Sr. Project Engineer, Engineering
L. Luaifoa, Legislative Services

A. ADOPTION OF MINUTES

1. Environmental Sustainability Advisory Committee Minutes of June 29, 2016 be approved.

It was

Moved by D. Skaey

Seconded by K. Otting

That the minutes of Environmental

Sustainability Advisory Committee (ESAC) meeting held on June 29, 2016 be approved.

Carried

The agenda was revised to add Item C.1 - Kinder Morgan Pipeline project under Outstanding Business.

B. DELEGATIONS

1. **Kids Gallery, Surrey Museum**
File: 7850-01

Lynn Saffery, Surrey Museum presented on the Kids Gallery, a sustainable exhibit featured at the Surrey Museum.

The following comments were made:

- An assessment was completed for the museum and it was determined that exhibits specifically for kids and young families were needed. Once funding for an expansion of the museum was confirmed, it was decided that the Feature gallery would be turned into the “Kids Gallery”.

- Staff explored various themes that would be fun, interactive and enable the kids to feel a sense of pride with the project. “Sustainability” was a natural fit for a theme since the City and its employees are guided by the Sustainability Charter 2.0.
- A number of characters were created (Alisha, Blaze and Stella the jay) to guide children through the gallery and teach about topics like Greenhouses and Climate Change.
- The exhibit has three components: Energy, Water and Food. Each part has various interactives with simple and easy things for the children to do. A couple examples of highlights of the Kids Gallery are as follows:
 - Tree Fort – Allows children discover being close to nature. The various props help provide children with a deeper understanding of the environment.
 - Detroit Electric Car (1912) – The Detroit Electric car of 1912 was the first mass produced electric car in North America. Before gas vehicles, the electric car was the main vehicle people used.
- Once the museum expansion is complete, the gallery will triple in size with a portion of the exhibit moving outdoors. Future plans for the gallery include transportation, urban planning themes and integrating indigenous knowledge of how to increase food security and increase stewardship.

2. **Surrey’s Coastal Flood Adaptation Strategy**

File: 5225-01

Matt Osler, Senior Project Engineer provided a presentation on Surrey’s Coastal Flood Adaptation Strategy.

The following comments were made:

- The Coastal Flood Adaptation Strategy (CFAS) is a 3-year project led by a consultant team to help prepare Surrey for the changing climate and to improve the resilience of coastal communities.
- The 5-phase project focuses on building awareness and education in the community, exploring adaptation options and developing strategies. The largest and longest phase is Phase 1 which is currently half complete.
- Coastal cities such as Surrey are facing challenges as a result of climate change and sea rise level. Surrey has a long history of coastal flooding. Examples of past flooding events were provided in the presentation and it was noted that even without major waves, the water can rise very high to the top of the dyke.

- The Province of British Columbia advised municipalities to plan for 1 m of sea level rise by year 2100. Challenges for coastal communities include higher sea levels, increased frequency and intensity of storms, storm surges, erosion of coastlines, loss of beaches and coastal ecosystems, soil salinization, groundwater pooling and impacts on infrastructure (sea dams and bridges).
- The Nicomekl and Serpentine Lowlands remain an active floodplain. Existing dykes were upgraded and new dykes were established upstream of the sea dams to control flooding.
- During high tide, water rushes into the gate, which then closes and the water backs up to the sea dam, leaving the water trapped behind the dyke. During severe events, spillways control the overtopping of dykes upstream of the sea. During high tide with the combination of wind storms, waves can overtop dykes along the coastline.
- In March 2016, the City received a \$10.4 million contribution from the Province of British Columbia to upgrade the Colebrook Dyke in order to address significant flood vulnerability.
- The environmental habitat along the coast line will also see impacts from sea rise levels. Surrey's flood plain before settlement (early 1900's) consisted of a large intertidal zone which occurred between the low and high tide. Flood control structures were created to make it more viable for agriculture and other uses.
- CFAS Engagement will consist of engaging the public and general stakeholders. A natural Advisory group will be formed of 20 to 30 people that will provide project input and participate in decision-making. In addition, an internal steering committee will be formed across the different City departments. General engagement will include open houses and focus groups. More recently, workshops have been held regarding Crescent Beach and more of this type of work will take place in February or March of 2017. A presentation will be made to Council once the different groups have identified the best options to address the issues.
- ESAC member Katja Otting, expressed interest to participate in the Advisory group on behalf of the Committee.

The agenda was revised.

H. OTHER BUSINESS

1. Grandview Heights NCP #3 Citizen's Advisory Committee

The Chair invited the ESAC members to volunteer for the Grandview Heights NCP #3 Citizen's Advisory Committee. Members Gopal Sahota and Deborah Skaey volunteered to participate on the Committee and will be able to confirm their commitment once the schedule of meetings has been released.

C. OUTSTANDING BUSINESS

1. Kinder Morgan Pipeline Project

The Committee discussed the Kinder Morgan Pipeline and expressed interest in Trans Mountain being invited to ESAC to respond to direct inquiries and questions about the project.

RECOMMENDATION

It was Moved by S. Van Keulen
Seconded by D. Skaey
That the Environmental Sustainability
Advisory Committee recommends that Council direct staff to provide an update on
the status of the Kinder Morgan Pipeline project and clarify the City of Surrey's
role in the decision-making process of the project.
Carried

D. NEW BUSINESS

E. ITEMS REFERRED BY COUNCIL

F. CORRESPONDENCE

G. INFORMATION ITEMS

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

No update was provided.

2. Development Advisory Committee (DAC) Update

No update was provided.

H. OTHER BUSINESS

2. Committee Appointments for 2017

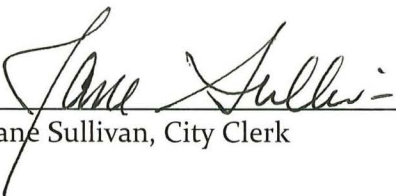
The Chair advised that a review of the City Advisory Committees is in process and the ESAC membership will remain status quo until the review is complete.

I. NEXT MEETING

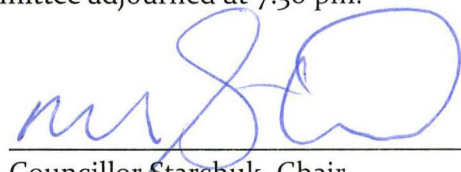
The next meeting of the Environmental Sustainability Advisory Committee is scheduled for **Wednesday, December 20, 2016** at 6:00 p.m. at City Hall, in room 1E Committee Room B.

It was Moved by J. Zelazny
Seconded by G. James
That the Environmental Sustainability
Advisory Committee meeting do now adjourn.
Carried

The Environmental Sustainability Advisory Committee adjourned at 7:30 pm.



Jane Sullivan, City Clerk



Councillor Starchuk, Chair