

REPORT NO. 81
of the
WINDSOR-ESSEX COUNTY ENVIRONMENT COMMITTEE (WECEC)
of its meeting held
March 6, 2014
at 5:30 o'clock p.m.

Lou Romano Water Reclamation Plant, 4155 Ojibway Parkway

Members present at the March 6, 2014 meeting:

Councillor Alan Halberstadt, Co-Chair
Charlie Wright, Co-Chair
Councillor Hilary Payne
Frank Butler
Derek Coronado
Jesse Gardner Costa
Paul Henshaw
Mike Nelson
Lindita Prendi
Tamara Stomp
Radwan Tamr

Your Committee submits the following recommendation:

Moved by T. Stomp, seconded by P. Henshaw,

WHEREAS the City of Windsor Environmental Master Plan encourages the construction of energy efficient buildings and incorporating sustainable design features into development to “promote ‘greening’ of new and existing city facilities”; and

WHEREAS the recently released report *The Business Case for Green Building* released by the World Green Building Council (2013) shows that the energy savings in green buildings over a twenty-year period typically exceed any design and construction cost premiums by a factor of ten, and could be more with the increasing costs of energy. The study also concluded that the green attributes of buildings and indoor environments can improve worker productivity and occupant health and well-being, resulting in bottom line benefits for business. “By greening our built environment at the neighbourhood and city scale, we can deliver on large-scale economic priorities such as climate change mitigation and adaptation, energy security, resource conservation and job creation, long-term resilience and quality of life.” (World Green Building Council, 2013)

THEREFORE BE IT RESOLVED that City Council **BE REQUESTED** to consider environmental features as identified below for inclusion in the Request for Proposal for the new City Hall:

- High-efficiency glass for windows and doors to conserve energy;
- Energy efficient, low flow appliances in the building (*i.e.* low flow toilets, LED lighting);

- Consider making it a zero-energy building (meaning that the total amount of energy used by the building on an annual basis is roughly equal to the amount of renewable energy created on site);
- Using natural light to light the inside of the building;
- Use of district energy;
- Building materials free of the toxic chemical Formaldehyde
- Recycled building materials where appropriate (*i.e.* recycled carpet);
- Re-use of building materials from the current City Hall after demolition;
- Re-use of grey water either inside the building (flushing toilets *etc.*) or outside the building (watering grass *etc.*);
- Stormwater management features such as raingardens, bioswales or a permeable pavement parking lot;
- Underground parking to reduce extra pavement needed for surface parking;
- Roof structurally able to support solar panels or a greenroof;
- Secure storage for bicycles as well as change room facilities with a shower;
- Furniture made from recycled materials;
- Native plants in the landscape design;
- Planting of fruit trees and space for a community garden.

Carried.

Councillor Payne abstains from voting on the matter as the costs have not been identified.

COUNCILLOR ALAN HALBERSTADT, CO-CHAIR

COMMITTEE COORDINATOR

NOTIFICATION:	
NAME	CONTACT INFORMATION
WECEC Committee including resource personnel	On file
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