

## 2013-2014 Winners

### 2013 Winners

#### Environmental Leadership

##### **Daniel Laubhann**

Daniel shows extraordinary commitment and passion for environmental protection, taking on environmental protection in the most challenging setting – an urban municipality. He dedicates a significant portion of his work to managing invasive plant species which can negatively impact all functions of urban green space. He has worked on a number of key projects for the City including weed identification methods and a Smart Phone app to identify and report regulated weed species.

#### Environmental Innovation

##### **Bill Covey and Sharon Swischook**

Bill and Sharon set new standards for environmentally sustainable building on formerly City-owned properties. The new subdivision in Oxford was created with the goal of encouraging the construction of more energy-efficient, greener homes while creating a highly attractive but denser and more sustainable neighbourhood. The City also designed landscaping for Oxford's public spaces that reflects the neighbourhood's environmental theme.

#### Continuous Environmental Improvement

##### **James Mclvor – Muttart Conservatory**

James Mclvor's involvement in the Integrated Pest Management (IPM) program, which uses biological controls such as predatory insects or bacterium to manage pest outbreaks, has been embraced by staff to better understand why pesticide usage can be harmful to the environment. With aim to continual improvement, James has purchased specialized grow tables to conserve potable water. The tables use a self contained watering system to capture excess water so none is lost on the floor surface. This equipment will enable fertilizer to be delivered by the system and eliminate nutrients entering the soil floor. The fabric floor covering eliminates weed

growth under the tables and protects the soil environment from insect propagation and reduces the amount of pesticides used.

## **2014 Winners**

### **Environmental Leadership**

#### **Trena MacGillivray**

Trena has worked to ensure employees are able to easily take environmental actions themselves. When the new Animal Care & Control Centre first opened in 2010, Trena ensured the building was supplied with sufficient recycling bins and that all areas had access to them. She is also responsible for training new staff and maintains a no idling opinion by teaching new officers how to do their job without idling their vehicles. Trena goes above and beyond her required duties and roles as a peace officer, ensuring staff are informed about their environmental impacts. She has established a reputation within the department as a go-to person for questions on recycling. Her knowledge and motivation to make the city greener has inspired others.

### **Environmental Innovation**

#### **Street Lighting Team**

The Street Lighting group has introduced a number of innovations to reduce emissions, including a Light Efficient Community Policy, approved by Council in August 2013, and associated policy report; LED street lighting, which began with a successful pilot project in 2009 and is now being implemented during neighbourhood renewal activities; and most recently, an adaptive lighting dimming project. The web-based system features the ability to control light levels at segments of roadways when the pedestrian activity changes; real-time notification of failures or power losses; and dimming of the luminaires to accommodate the geometry of the road, resulting in continuous light levels. Edmonton is the first Canadian city to pilot this technology.

**Team includes: Vlado Cicovski, Ben Yarmuch, Gary Ursulak, Mike Rowell, Shawn Jacobs, Janusz Januszczak, Kevin Romans, Dhafir Hameed, Gord Cebryk**

### **Continuous Environmental Improvement**

#### **Groat Road Basin End-of-Pipe Treatment Facility**

The City was committed to reducing the amount of pollutants and TSS from the Groat Road outfall but due to the lack of space, was unable to construct a storm water treatment pond or other natural choice. The next, most logical choice was mechanical treatment. Construction of the Groat Road Basin End-of-Pipe Treatment Facility began in 2010 and has been in operation since 2011. It uses a series of filtering systems to trap particulates and absorb materials such as dissolved metals, hydrocarbons and nutrients. The filter system used is the leading technology in North America for use in “polishing” stormwater runoff and the first use of this technology in Alberta.

**Team includes: Fayi Zhou, Wendy Laskosky, Liliana Malesevic, Arbind Mainali, Siri Fernando, Leonora Lumabi**