

CITY OF BURNABY

ENVIRONMENT COMMITTEE

HIS WORSHIP, THE MAYOR  
AND COUNCILLORS

**SUBJECT: CITY OF BURNABY 2005 ENVIRONMENT AWARDS  
AND ENVIRONMENTAL STARS**

RECOMMENDATION:

1. **THAT** Council receive this report for information.

REPORT

Council, at its 'Closed' meeting held on 2005 May 16, received and adopted the *attached* report containing this years recipients of Burnaby's Environment Awards and Environmental Stars.

A copy of this report is being forwarded to the 2005 May 30 'Open' Council meeting for information.

Respectfully submitted,

Councillor D. Johnston  
Chair

Councillor P. Calendino  
Vice Chair

Councillor C. Redman  
Member

COPY: CITY MANAGER DIRECTOR PLANNING & BUILDING DIRECTOR ENGINEERING DIR. PARKS, RECR. & CULT. SERVICES
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CITY OF BURNABY

ENVIRONMENT COMMITTEE

HIS WORSHIP, THE MAYOR  
AND COUNCILLORS

RE: CITY OF BURNABY 2005 ENVIRONMENT AWARDS AND ENVIRONMENTAL STARS

RECOMMENDATION:

1. THAT the 2005 Environment Award in Communications be presented to the Association of Professional Engineers and Geoscientists of BC for their quarterly newsletter Sustainability NOW.
2. THAT the 2005 Environment Award in Planning and Development be presented to the SFU Community Trust for the Cornerstone Building which is the first Leadership in Energy and Environmental Design (LEED) registered building in Burnaby.
3. THAT the 2005 Environment Award in Community Stewardship be presented to Bob Henderson of the Burnaby Lake South Slope Streamkeepers for his years of community stewardship.
4. THAT an Environmental Star be presented to Brian Sieben of the Stoney Creek Environment Committee for his work with Lougheed Mall in reducing shopping cart dumping in and near Stoney Creek.
5. THAT an Environmental Star be presented to Erica Wong of Burnaby Mountain Secondary school for her organization of the Kiss-a-Fish Fundraiser and her work to raise awareness of spawning salmon in Stoney Creek.
6. THAT an Environmental Star be presented to Conway Lum of GardenWorks Mandeville for his work promoting chemical free gardening in Burnaby as well as his seminars on managing the European Chafer beetle through non chemical means.
7. THAT the 2005 Environment Awards and Environmental Stars be announced on 2005 May 30 at the regular meeting of Council, and be presented at a special afternoon reception at Burnaby Fraser Foreshore Park, on 2005 June 12, to be generously sponsored by Honeywell.

REPORT

The Environment Committee, at its Open meeting held on 2005 May 10, received and adopted the *attached* report providing nominations for the 2005 City of Burnaby Environment Awards and Environmental Stars. The Committee advised that these individuals and groups have demonstrated exemplary works which enhance the City's natural environment while encouraging stewardship.

Respectfully submitted,

Councillor D. Johnston  
Chair

Councillor P. Calendino  
Vice Chair

Councillor C. Redman  
Member

:COPY - CITY MANAGER  
DIRECTOR PLANNING & BUILDING  
DIRECTOR ENGINEERING  
DIR. PARKS, REC. & CULTURAL SERV.

TO: CHAIR AND MEMBERS  
ENVIRONMENT COMMITTEE

2005 MAY 06

FROM: CITIZEN MEMBERS, ENVIRONMENT COMMITTEE FILE: PL 33000 - 01

JOAN CARNE  
GARY LANYON  
BILL SCHWARTZ  
SID WONG

SUBJECT: CITY OF BURNABY 2005 ENVIRONMENT AWARDS  
AND ENVIRONMENTAL STARS

PURPOSE: To recommend the recipients of the 2005 City of Burnaby Environment Awards and Environmental Stars.

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**RECOMMENDATIONS:**

1. THAT the Environment Committee recommend the following 2005 Environment Awards to Council:
  - a) The 2005 Environment Award in Communications be presented to the Association of Professional Engineers and Geoscientists of BC for their quarterly newsletter Sustainability NOW.
  - b) The 2005 Environment Award in Planning and Development be presented to the SFU Community Trust for the Cornerstone Building which is the first Leadership in Energy and Environmental Design (LEED) registered building in Burnaby.
  - c) The 2005 Environment Award in Community Stewardship be presented to Bob Henderson of the Burnaby Lake South Slope Streamkeepers for his years of community stewardship.
  
2. THAT the Environment Committee recommend the following Environmental Stars to Council:
  - a) Brian Sieben of the Stoney Creek Environment Committee for his work with Lougheed Mall in reducing shopping cart dumping in and near Stoney Creek.
  - b) Erica Wong of Burnaby Mountain Secondary school for her organization of the Kiss-a-Fish Fundraiser and her work to raise awareness of spawning salmon in Stoney Creek.

- c) Conway Lum of Garden Works Mandeville for his work promoting chemical free gardening in Burnaby as well as his seminars on managing the European Chafer beetle through non chemical means
- 3. THAT the 2005 Environment Awards and Environmental Stars be announced on 2005 May 30 at the regular meeting of Council, and be presented at a special afternoon reception at Burnaby Fraser Foreshore Park, on 2005 June 12, to be generously sponsored by Honeywell.

## REPORT

### 1.0 BACKGROUND

Within the State of the Environment Report (SOER), adopted in 1993, there is a provision for Shared Stewardship, an idea that seeks opportunities for community stewardship, environmental awareness and public information. One of the specific ideas discussed in the report is the need "to establish an environmental awards program to recognize environmental achievements." Council subsequently adopted terms of reference for an environmental awards program to recognize important environmental achievements in a variety of areas. The first City Environment Awards were presented during Environment Week 1996, and have occurred annually during Environment Week since that date.

At its meeting of 2000 March 27, Council adopted the terms of reference for the Environmental Stars program to recognize important environmental works by members of the community which fall outside the scope of the Environment Awards. The first Environmental Stars were awarded during Environment Week 2000, and have subsequently been awarded during Environment Week and on BC Rivers Day.

The recommendations for the 2005 Environment Awards and 2005 Environmental Stars are outlined in this report, as advanced by the citizen representatives of the Environment Committee for the consideration of the Committee. The terms of reference for the City of Burnaby Environment Award and Environmental Stars programs are outlined in Appendix A, attached.

### 2.0 AWARD PROCESS

A call for nominations is made annually through the local newspapers and on the City's web page. The Environment Awards are given annually by Council, through recommendations of citizen representatives of the Environment Committee. The Committee is not compelled to recommend Award winners to Council in any or all categories if they feel there are no appropriate candidates in a given year. Multiple recipients can also be named in any category. The Environmental Stars can be awarded throughout the year, and recommendations may come from either the citizen representatives or members of Council.

It is recommended that the Awards and Stars be announced at the regular Council meeting of 2005 May 30, and be presented at a special Environment Week afternoon reception at Burnaby Fraser Foreshore Park, hosted by Council, on 2005 June 12. In conjunction with the Environment Awards reception there will be an unveiling of the City's newest eco-sculpture prepared by the Parks, Recreation and Cultural Services Department. Corporate sponsorship for the Environment Awards reception has been generously provided by Honeywell, the City's partner in the EnergyFit program, and sponsorship of the eco-sculpture has been provided by the Canada Lands Corporation and VanCity.

### 3.0 2005 ENVIRONMENT AWARDS

#### Communications Award

The citizen representatives recommend that the 2005 Environment Award for Communications be presented to:

*The Association of Professional Engineers and Geoscientists of BC for their newsletter Sustainability NOW.*

The head office of the Association of Professional Engineers and Geoscientists of BC (APEG BC) is located in an environmentally designed building on Regent Street. The association has encouraged the highest standard of environmental design from its members and the engineering industry as a whole through its quarterly publication Sustainability Now. The publication has been in circulation since 2001 and is distributed quarterly to 950 companies, individuals, NGOs, schools. The newsletter is distributed by mail and email to subscribers as well as being available online at [www.sustainability.ca](http://www.sustainability.ca). The newsletter and website are produced by engineers and other volunteers with the objective of increasing the awareness of sustainability and to find ways to make it common practice in engineering.

Through the newsletter, website and at display booths, the association's goal is to enlighten professional practitioners and the general public about environmental issues in the engineering and building industry including issues surrounding mining and resource extraction, stormwater and wastewater management, green building, alternative transportation, climate change, energy conservation, agriculture and power generation. The Association of Professional Engineers and Geoscientists of BC and their newsletter Sustainability Now are leaders among professional associations for promoting sustainability and influencing how their members approach and undertake projects.

The Association of Professional Engineers and Geoscientists of BC is recognized in the category of Communications for their progressive and interactive approach to raising awareness of sustainability both in the fields of Engineering and Geoscience, and also in the urban planning, design and development industry.

## Planning and Development Award

The citizen representatives recommend that the 2005 Environment Award in Planning and Development be presented to:

*The SFU Community Trust for the development of the Cornerstone Building, which is the first LEED registered building in Burnaby.*

Although the entire SFU UniverCity development project applies concepts of ecological design and stormwater management, the Cornerstone Building takes this to another level. The Cornerstone Building is a mixed-use building along the UniverCity High Street that encompasses ground level commercial uses, with 3<sup>rd</sup> and 4<sup>th</sup> storey office and residential uses. The goal of the project was to set the benchmark for green building on campus, while providing a commercial/residential focal point along the UniverCity High Street. The building is marketed toward students, faculty, staff and new residents to the UniverCity community, as well as to independently owned and operated small businesses. This is to ensure that the Cornerstone Building meets the needs of the entire community, by providing ease of access to and from commercial, cultural and academic services.

As noted the entire UniverCity development is based on stringent environmental principles including creating pedestrian friendly streets and a comprehensive stormwater detention and management system. However, the Cornerstone Building has a number of unique individual green building features that set it apart from other buildings in the UniverCity community. Some of the specific environmental features of the building are as follows:

### Green Roof

Recycled Construction Materials (Wooden Beams, Drywall)

Drought Resistant Plant Species

Permeable Paving (Spaced interlocking pavers)

Water Conservation (20% Reduction in typical water conservation, 270 l/day)

Geothermal Heating

Passive Solar Heating

One year free transit pass (C Pass) for residents

Car Co-op on Site (Hybrid Car)

The Cornerstone building will become a model for mixed-use green buildings in Burnaby and in the GVRD. Hopefully, due to the pursuit of LEED certification, the Cornerstone building will act as a catalyst for more LEED certified mixed-use and residential buildings in Burnaby. For its innovative use of environmental design and its contribution toward green building in Burnaby, the SFU Community Trust has been chosen as the recipient of the 2005 Environment Award in the Planning and Development Category for the development of the Cornerstone Building.

### Community Stewardship Award

The citizen representatives recommend that the 2005 Environment Award in Community Stewardship be presented to:

*Mr. Bob Henderson for his dedication to the streams on the south slope of Burnaby Lake and his volunteer work with the Craig Avenue fish hatchery.*

Bob Henderson has been a dedicated and committed Streamkeeper for the streams on the south slope of Burnaby Lake since 2001. Mr. Henderson's introduction to streamkeeping came by way of noticing illegal dumping near Buena Vista Creek and an exposed Transmountain pipeline that was due to washouts that were caused by blocked culverts. These incidences put Mr. Henderson in contact with streamkeepers groups and Fisheries and Oceans Canada. Since then Mr. Henderson has been an active streamkeeper of the small creeks around Burnaby Lake including Buena Vista, Osprey, Cedar, Ramsey and Crayfish Creeks.

Mr. Henderson has also been volunteering between October and May at the Craig Avenue hatchery since 2001. He helps take brood stock in the fall, capturing mature spawners. He assists with the fish trap at the Cariboo Dam, which is checked daily, logging and releasing any fish that are trapped. He assists with the artificial spawning, feeds fry, and helps collect the 15,000 to 30,000 fry at the end of the season and release them into local waterways. Mr. Henderson attends the hatchery at least every other day during this eight month season, and often attends on a daily basis.

In 2002, Bob coordinated an Environment Week event, which included a clean up of portions of Osprey Creek, from Elwell Street to 17<sup>th</sup> Avenue at Newcombe Street, in conjunction with neighbourhood residents and students from nearby Second Street Community School. There had been considerable illegal dumping of yard and garden waste along this portion of Osprey Creek, as well as items such as tires and discarded furniture. At the same time, a mailing to all area residents apprising them of this neighbourhood cleanup effort was sent, advising them that the City's comprehensive yard and garden waste curbside collection program was available as an alternative.

In essence, Mr. Henderson virtually single handedly looks after the creeks on Burnaby Lake's south slope and is a key component of the Craig Avenue hatchery. He takes this work very seriously, and is known to be very thorough. He is always enthusiastic and frequently involves his wife and two children in streamkeeping activities. Although Mr. Henderson's stream keeping experience has been relatively short, his positive impact on the quality of Burnaby Lake's creeks and his dedication to the Craig Avenue hatchery makes him a worthy candidate for the City of Burnaby Environment Award in Community Stewardship.



#### 4.0 2005 ENVIRONMENTAL STARS

##### Community Stewardship Star

The citizen representatives recommend a 2005 Environmental Star in Community Stewardship be presented to:

*Brian Sieben for his work with the Stoney Creek Environment Committee and his success in working with Wal-Mart and Lougheed Mall to install a wheel lock system on shopping carts to minimize the illegal dumping of shopping carts in to the Stoney Creek ravine area.*

Brian Sieben is a student of SFU and a member of the Stoney Creek Environment Committee. This year Mr. Sieben will be graduating from SFU and moving to the Northwest Territories with his family. Mr. Sieben has been a dedicated volunteer with the Stoney Creek Environment Committee helping with the maintenance and monitoring of the creek which has resulted in salmon spawning at North Road for the first time in over 50 years. Mr. Sieben has also been working tirelessly with Wal-Mart Canada and Lougheed Mall to find solutions to the illegal dumping of shopping carts in the Stoney Creek ravine area. Through his diligence he has committed Wal-Mart Canada to use the Lougheed Mall location as a test site for a new wireless wheel lock system that locks the wheels of shopping carts at the perimeter of the mall. Based on the success of this pilot program, other vendors in Lougheed Mall, including London Drugs, have agreed to participate.

##### Youth Star

The citizen representatives recommend a 2005 Environmental Star in the Youth Category be presented to:

*Erica Wong for her environmental awareness and organization of the Kiss-a-Fish Fundraiser.*

In fall 2004, salmon returned to the upper reaches of Stoney Creek for the first time in 50 years. This momentous return of salmon, was met with both positive and negative curiosity by local residents and students. In October of 2004 a number of trees were cut down to dam the creek and salmon were found mutilated on the banks. It was later discovered that a number of students at Burnaby Mountain Secondary had participated. As a means of turning this event around from a negative experience to a learning opportunity, Erica Wong, a student at Burnaby Mountain Secondary took it upon herself to plan the Kiss-a-Fish Skate-a-Thon fundraising event at 8 Rinks to raise money for education and habitat restoration by the Stoney Creek Environment Committee. Ms. Wong also contacted the Burnaby News Leader to try to bring exposure to community regarding the spawning salmon and their habitat.

Ms. Wong's efforts not only raised money, but raised awareness of salmon habitat and life cycles amongst the community and her peers. Erica has continued to work with her school and the Stoney Creek Environment Committee to ensure that the needless killing of fish in Stoney Creek never happens again.

### **Chemical-Free Lawns and Gardens (Herbicide and Pesticide Free) Star**

The citizen representatives recommend a 2005 Environmental Star in Chemical Free Lawns and Gardens (Herbicide and Pesticide Free) be presented to:

*Conway Lum of GardenWorks Mandeville for his work with the community encouraging organic gardening and integrated pest management for controlling European Chafer Beetles as well as his support of the Plant a Row for the Hungry program which encourages people to plant a row of vegetables and donate them to local food banks.*

Conway Lum has been an employee of Mandeville's since 1988. He is an active leader in the Canadian Certified Horticulture Technician Program and holds a P.A.C. degree as a professional Agrologist. Mr. Lum is a regular columnist for Garden Wise Magazine and has been featured in the Vancouver Sun. Mr. Lum undertakes many speaking engagements with local garden clubs on chemical free gardening and regularly appears on local television to give garden advice.

As the resident expert at GardenWorks Mandeville, Mr. Lum works with Burnaby residents and the City toward finding integrated pest management approaches to controlling the European Chafer Beetle problem and gives seminars in Burnaby and throughout the Lower Mainland to address this issue. As part of his own research, he has been charting the progression of the insect from New Westminster through Burnaby into Vancouver, working towards greater controls for this pest. Mr. Lum is also a strong advocate of chemical free gardening and is supported by the staff of GardenWorks Mandeville in his recommendations to customers regarding non-chemical means of fertilizing, weeding and managing pests in their gardens. Mr. Lum is admired by his co-workers and customers for his analytical approach to solving garden problems, always choosing first to find environmental remedies before recommending conventional ways to solve gardening problems. Mr. Lum is a supporter and strong advocate of the Plant a Row for the Hungry program which works to provide fresh vegetables to local food banks and encourages staff and customers of Mandeville Gardens to participate.

## **5.0 CONCLUSION**

The citizen representatives of the Environment Committee recommend that the recipients identified in this report receive the 2005 City Environment Awards and 2005 Environmental Stars as outlined. The citizen representatives feel these individuals and groups have

demonstrated exemplary works which enhance the City's natural environment while encouraging stewardship.

It is recommended that the 2005 City Environment Awards be announced on 2005 May 30 at the regular meeting of Council. It is also proposed that the awards be presented at a special afternoon reception at Burnaby Fraser Foreshore Park on 2005 June 12. The Awards afternoon also serves as an opportunity for the City to host its many environmental volunteers and community stewards.

**JOAN CARNE**, Citizen Member  
Environment Committee

**GARY LANYON**, Citizen Member  
Environment Committee

**BILL SCHWARTZ**, Citizen Member  
Environment Committee

**SID WONG**, Citizen Member  
Environment Committee

JK/KSF/sla/sa  
Attachment

cc: City Manager  
Director Parks, Recreation and Cultural Services

P:\Johannes Schumann\Events\Environment Week 2005\2005 Environment Awards Report.doc

## Appendix A - City of Burnaby Environment Award & Environmental Stars Categories

The City of Burnaby Environment Awards recognizes outstanding contributions made by individuals, organizations or companies to improve Burnaby's environment and our understanding of it. The Environmental Stars program is intended to recognize important environmental works by members of the community which fall outside the scope of the Environment Awards. Both programs increase awareness of opportunities available to the public and the City to become more environmentally responsible. While the specific categories of awards are described below, the Committee does reserve the right to recommend awards to candidates that do not fall into any of the categories as outlined. It should be noted that the same categories apply to both the Awards and the Stars, although the criteria for the Stars is less rigorous.

### *Communications*

This category includes newspaper articles, publications, video, audio, multi-media or visual/ graphic presentations and community or public events that help to increase the awareness and understanding of environmental issues in Burnaby. The nominated work should demonstrate a comprehensive understanding of an environmental issue and its relationship to the citizens of Burnaby. Newspaper articles may be in the form of regular constructive reporting on environmental issues or may be serial in format, thoroughly researched and referenced, and prominently featured within the newspaper. Other publications such as magazine articles or books should offer in depth profiles or insight into specific environmental characteristics and issues found in Burnaby and be readily available in Burnaby bookstores. Awards in the video, audio and multimedia category should be granted to those works that exploit their media format to provide insightful, and possible interactive, educational opportunities that may be useful within Burnaby schools and libraries to increase awareness of environmental issues in the City.

### *Planning and Development*

This category highlights exemplary developments that demonstrate innovative environmental features that may include environmentally sensitive site planning, solar energy, water conservation, storm water or wastewater management, conservation of resources through the reuse of materials, the protection and enhancement of urban streams or the enhancement of wildlife habitat in the City. Developments may range in scale from large commercial, industrial, institutional or residential projects to individual new or renovated buildings or sites.

### *Community Stewardship*

This category identifies citizens or groups in Burnaby who have been actively involved in promoting environmental stewardship for several years and who, through their efforts, have increased public awareness of an environmental issue or notably enhanced or rehabilitated the City's environment.

*Youth*

This category recognizes the contributions that children or teenagers have made, either through their own initiatives or through school or other programs that have resulted in enhanced public awareness of environmental issues or notably enhanced or rehabilitated the City's environment.

*Chemical-Free Lawns and Gardens (Herbicide and Pesticide Free)*

This category recognizes those in the community who have demonstrated and undertaken chemical-free approaches to gardening and landscaping, and which provide a strong showcase for alternative approaches to cosmetic herbicide and pesticide use in the City.

