



**CITY OF HAMILTON**  
**PUBLIC HEALTH SERVICES**  
 Healthy Environments Division

<b>TO:</b>	Mayor and Members Board of Health
<b>COMMITTEE DATE:</b>	May 15, 2017
<b>SUBJECT/REPORT NO:</b>	Clean Air Hamilton 2017 Programs (BOH17019)(City Wide)
<b>WARD(S) AFFECTED:</b>	City Wide
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<b>SUBMITTED BY:</b>	Kevin McDonald (A) Director, Healthy Environments Division Public Health Services Department
<b>SIGNATURE:</b>	

**RECOMMENDATION**

That the following vendors, identified by Clean Air Hamilton for the delivery of 2017 air quality programs to be funded through the 2017 Public Health Services operating budget, be approved:

- (i) Environment Hamilton for the delivery of 'Building' Community Awareness & Action Regarding Respirable Particulate Pollution in Hamilton (\$8,000), and
- (ii) Green Venture and Corr Research Inc. for the delivery of Enhanced Fresh Air for Kids with Anti-Idling (\$19,150).

**EXECUTIVE SUMMARY**

Hamilton Public Health Services(PHS) provides approximately \$40,000 in annual base funding to Clean Air Hamilton for the purpose of funding community programs, as well as other projects that inform and educate citizens about the quality of air in our City, and programs that aim to directly improve air quality in Hamilton.

This report describes the following two initiatives and seeks approval from the Board of Health for the associated funding costs:

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*OUR Mission: To provide high quality cost conscious public services that contribute to a healthy, safe and prosperous community, in a sustainable manner.*

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1. 'Building' Community Awareness & Action Regarding Respirable Particulate Pollution in Hamilton (\$8,000).
2. Enhanced Fresh Air for Kids with Anti-Idling (\$19,150).

If approved, the funding for these programs would come from the 2017 PHS operating budget.

***Alternatives for Consideration – See Page 5***

**FINANCIAL – STAFFING – LEGAL IMPLICATIONS**

Financial: The programs identified by Clean Air Hamilton for delivery in 2017 total \$27,150. This funding will come from PHS' approved 2017 budget.

Staffing: No staffing implications.

Legal: No legal implications.

**HISTORICAL BACKGROUND**

Originated in 1998, Clean Air Hamilton initiates research on air quality issues; provides policy advice to all levels of government; encourages emission reductions among organizations operating in Hamilton, and promotes behavioural changes among individuals living and working in Hamilton.

Every year, Clean Air Hamilton identifies programs that will further the goal of improving air quality through education and awareness on a variety of emission sources, including transportation, and air quality monitoring of air pollutants in the City of Hamilton. Recently, Clean Air Hamilton has changed the way it administers funding to better align with existing City policies, such as the City Enrichment Fund (CEF). Three external adjudicators with expertise in air quality and community engagement were selected to review all applications. The applications were scored based on a pre-approved set of criteria that were developed by staff with input from Clean Air Hamilton members. Applications were assessed on four major criteria:

1. Air Quality Impact (40%)
2. Community/Capacity Impact (30%)
3. Project Management (10%)
4. Organizational Viability (20%)

In September 2016, with collaboration of partners, Clean Air Hamilton identified five new strategic issues related to air quality improvements that the committee will focus on over the next two to three years:

Preface

*Clean Air Hamilton is dedicated to improving air quality across the City of Hamilton. This will be accomplished through sound science based decision making, using the most up-to-date information and tools available, such as the Hamilton Airshed Model.*

1. Governance & Structure: To remain a multi-stakeholder group dedicated to improving air quality by increasing public perception and expanding Clean Air Hamilton membership while providing communication and promotion of realistic, science based decision making and sustainable practices.
2. Air Zone Management: To comply with all Ministry of the Environment and Climate Change and Canadian Ambient Air Quality Standards. This will be done through implementation of a systems level approach and support towards an industrial mandatory monitoring regulation.
3. Transportation: To encourage and facilitate more use of public and active transportation through commentary on transportation related matters, supporting educational programs and localized monitoring leading to detailed information to encourage changes in behaviour.
4. Air Monitoring: To improve air monitoring activities across the City of Hamilton by providing support for additional portable air monitors and fixed air monitors that provide real-time monitoring for contaminants of concern in Hamilton.
5. Dust & PM2.5 Mitigation: To lower concentrations of PM2.5 across the City of Hamilton below Canadian Ambient Air Quality Standards by effectively utilizing the Airshed Model to create partnerships and pollution inventory specific to street sweeper and dust mitigation programs.

**POLICY IMPLICATIONS AND LEGISLATED REQUIREMENTS**

Not Applicable

**RELEVANT CONSULTATION**

The programs identified for funding through Clean Air Hamilton were scored by three experts in air quality and/or community engagement which included staff from the Ministry of the Environment and Climate Change, City of Hamilton Transportation Management staff and Professor Emeritus from University of Toronto. Public Health Services staff created the scoring criteria with input from Clean Air Hamilton members.

Members of the Clean Air Hamilton include City staff from: Public Health Services– Healthy Environments Division; Public Works – Transportation Division Energy and Facilities; Planning & Economic Development – Community Planning & Design Division.

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Other members of Clean Air Hamilton include the Ontario Ministry of the Environment and Climate Change, Environment Canada, Health Canada, Green Venture, Environment Hamilton, Hamilton Conservation Authority, Mohawk College, McMaster University, Horizon Utilities, Corr Research, McKibbon Wakefield Inc., Hamilton Industrial Environmental Association, ArcelorMittal Dofasco, U.S. Steel Canada, and citizens.

## **ANALYSIS AND RATIONALE FOR RECOMMENDATION**

Every year, Clean Air Hamilton identifies programs that will further the goal of improving air quality and addressing climate change in Hamilton. Programs and projects are selected for funding based on scoring criteria that assesses relevance of the project or program on: 1. Air Quality Impact (40%); 2. Community/Capacity Impact (30%); 3. Project Management (10%); and 4. Organizational Viability (20%).

Clean Air Hamilton has identified the following two programs to be delivered by local partners to address air quality and climate change in the community in 2017:

1. *'Building' Community Awareness & Action Regarding Respirable Particulate Pollution in Hamilton (\$8,000) – Environment Hamilton*

Environment Hamilton was incorporated as a not-for-profit in August of 2001. Over their 15 plus year history, they have developed and implemented many initiatives designed to help people take a hands on role to address local environmental challenges.

The project will recruit and engage a network of volunteer teams across ten neighbourhoods to help build low cost fine air particulate sensors (PM2.5) that will become part of a pilot network of real-time respirable particulate monitoring locations across the lower city. Data will appear on their on-line air mapping system ([www.inhalemap.com](http://www.inhalemap.com)) that will help raise community awareness and enhance personal behavioural change.

2. *Enhanced Fresh Air for Kids with Anti-Idling(\$19,150) – Green Venture & Corr Research Inc.*

The "Fresh Air for Kids" program began in 2013 and has been a huge success educating hundreds of students across Hamilton on the importance of air quality and the Air Quality Health Index. Furthermore, the program develops air quality maps using mobile monitoring data to help children choose low risk commuting methods and routes to school.

This year the program is enhanced by adding in an education and outreach anti-idling campaign. This campaign will include student led workshops to design pamphlets, posters and banners as advertisement during anti-idling blitzes. This

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enhanced program is expected to have significant impacts on behavioural change that leads to more active transportation and better air quality around schools.

## **ALTERNATIVES FOR CONSIDERATION**

Board of Health does not approve the funding. This is not recommended as this does not support actions to improve air quality and health in Hamilton.

**Financial:** If funding is not approved, it will create a financial pressure among community partners that may result in the programs not being implemented.

**Staffing:** No staffing implications.

**Legal:** No legal implications.

**Policy:** If the recommendation is not approved, PHS staff may be directed to use Procurement By-law Policy 11 (non-competitive procurement) to procure outreach services.

## **ALIGNMENT TO THE 2016 – 2025 STRATEGIC PLAN**

### **Community Engagement & Participation**

*Hamilton has an open, transparent and accessible approach to City government that engages with and empowers all citizens to be involved in their community.*

### **Healthy and Safe Communities**

*Hamilton is a safe and supportive city where people are active, healthy, and have a high quality of life.*

### **Clean and Green**

*Hamilton is environmentally sustainable with a healthy balance of natural and urban spaces.*

## **APPENDICES AND SCHEDULES ATTACHED**

Not Applicable