



CITY OF HAMILTON
PUBLIC HEALTH SERVICES
Healthy Environments Division

TO:	Mayor and Members Board of Health
COMMITTEE DATE:	May 13, 2019
SUBJECT/REPORT NO:	Clean Air Hamilton 2019 Funding (BOH19021) (City Wide)
WARD(S) AFFECTED:	City Wide
PREPARED BY:	Shelley Rogers (905) 546-2424 Ext. 1275
SUBMITTED BY:	Kevin McDonald Director, Healthy Environments Division Public Health Services
SIGNATURE:	

RECOMMENDATION(S)

That the following vendors, identified by Clean Air Hamilton, for the delivery of 2019 air quality programs to be funded through the 2019 Public Health Services operating budget, be approved:

1. Green Venture and Corr Research Inc. for the delivery of Fresh Air for Kids (\$10,580);
2. Cycle Hamilton Coalition Inc. for the delivery of Friendly Streets (\$12,000); and,
3. Environment Hamilton Inc. for the delivery of Trees Please (\$12,420).

EXECUTIVE SUMMARY

Hamilton Public Health Services (PHS) has included approximately \$35,000 in the 2019 budget to provide 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 three initiatives and seeks approval from the Board of Health (BOH) for the associated funding costs:

1. Fresh Air for Kids (\$10,580);
2. Friendly Streets (\$12,000); and,
3. Trees Please (\$12,420).

OUR Vision: To be the best place to raise a child and age successfully.

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

OUR Culture: Collective Ownership, Steadfast Integrity, Courageous Change, Sensational Service, Engaged Empowered Employees.

If approved, the funding for these programs would come from the 2019 PHS operating budget.

Alternatives for Consideration – See Page 5

FINANCIAL – STAFFING – LEGAL IMPLICATIONS

Financial: The programs identified by Clean Air Hamilton for delivery in 2019 total \$35,000. This funding will come from PHS approved 2019 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 with existing City policies, such as the City Enrichment Fund (CEF). Three external adjudicators with experience 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 (45%);
2. Community/Capacity Impact (25%);
3. Project Management (10%); and,
4. Organizational Viability (20%).

In September of 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 one to two 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, Conservation and Parks 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; and,
5. Dust & PM_{2.5} Mitigation: To lower concentrations of PM_{2.5} 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 and Public Health which include staff from the Ministry of the Environment Conservation and Parks, Public Health Specialist and CityLAB Hamilton. Staff created the scoring criteria with input from Clean Air Hamilton members.

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

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

ANALYSIS AND RATIONALE FOR RECOMMENDATION(S)

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 (45%);
2. Community/Capacity Impact (25%);
3. Project Management (10%); and,
4. Organizational Viability (20%).

Clean Air Hamilton has identified the following three programs to be delivered by local partners to address air quality and climate change in the community in 2019:

1. **Fresh Air for Kids (\$10,580) – 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. At the beginning of the program, mobile air monitoring will be performed using the Ministry of the Environment, Conservation and Parks mobile monitoring unit. GIS analysis will be used to generate maps to enable students to choose their lowest air quality risk routes to school. They will also hold anti-idling blitzes and conduct social based marketing initiatives to idling vehicles during pick up and drop off times;
2. **Friendly Streets Hamilton (\$12,000) – Cycle Hamilton and Environment Hamilton**
Friendly Streets Hamilton is a collaborative initiative of Cycle Hamilton and Environment Hamilton. The program piloted successfully in 2017 and continued through 2018 (for which it received Clean Air Hamilton funding). In 2019, the program will conduct air quality audits in the Gibson-Landsdale neighbourhood, share maps of clean air routes identified through monitoring and educate the public of the health implications of truck routes; and,
3. **Trees Please (\$12,420) – Environment Hamilton Inc**
Environment Hamilton has been a not-for-profit organization since 2001 working toward a carbon-neutral community. Since then, they have taken on many community initiatives including Stack Watch, Bicycle Air Monitoring Climate

Action Campaign, Friendly Streets and Trees Please. The Trees Please program assembles volunteers to collect air quality and tree health data, goals to plant 400 trees to increase the urban tree canopy and to learn about the impacts of air quality on human health. Air monitoring will be conducted using Dylos hand-held particulate monitors to measure PM_{2.5} and PM₁₀.

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 and 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.

Economic Prosperity and Growth

Hamilton has a prosperous and diverse local economy where people have opportunities to grow and develop.

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.

Built Environment and Infrastructure

Hamilton is supported by state of the art infrastructure, transportation options, buildings and public spaces that create a dynamic City.

APPENDICES AND SCHEDULES ATTACHED

Not Applicable.