



Minutes

Coordination Committee

Monday, May 13, 2019, 3:00 – 5:00 pm

71 Main St W, City Hall, Rm 192/193

Present:

Kerry Bear, Environment Hamilton
Peter Chernets, Citizen
Tom Chessman, Office of Energy Initiatives, City of Hamilton
Ed Cocchiarella, HIEA
Denis Corr, Corr Research Inc.
Dave Hart-Dyke, Green Venture
Charles Hostovsky, Citizen
Trevor Imhoff, Healthy and Safe Communities, City of Hamilton (Acting Chair)
Barb Jantzi, Citizen
Brian Jantzi, Citizen
Karen Logan, HIEA
Lynda Lukasik, Environment Hamilton
Erica McKenzie, Environment Hamilton
George McKibbon, McKibbon Wakefield Inc. /University of Guelph
Paul Panabaker, Energy Dimensions
Fiona Parascandalo, Royal Roads University
Shelley Rogers, Healthy and Safe Communities, City of Hamilton
Jennifer Roth, Planning and Economic Development, City of Hamilton
Fran Scott, McMaster Institute for Healthier Environments, McMaster University
Andrew Sebestyen, Stelco Canada
Nico Strabac, Mohawk College Sustainability Office
Sara Yonson, Hamilton Port Authority

Regrets:

Bruce Newbold (Chair)
Matt Adams, University of Toronto
Jonathan Bastien, Hamilton Conservation Authority
Susan Chapman, Ontario Lung Association
Robert Clackett, Planning and Economic Development, City of Hamilton
Rob Conley, Environmental Services, City of Hamilton
Don Curry, Healthy and Safe Communities, City of Hamilton
Elise Desjardins, Friendly Streets Hamilton
Dan Dobrin, Ministry of the Environment Conservation and Parks
Heather Donison, Green Venture
Kate Flynn, Mohawk College
Lindsay Goddard, McMaster Institute for Healthier Environments, McMaster University
Abe Hafid, McMaster University
Brian Jantzi, Citizen

James Kaspersetz, Consultant Niagara Region
Gloria Ko, McMaster University
Juby Lee, Environment Hamilton
John Lundrigan, ArcelorMittal Dofasco
Christine Newbold, Planning, City of Hamilton
Susan Neudorf, Green Venture
Guneet Saini, McMaster University
Japteg Singh, McMaster University
Natalie Stacey, Ministry of the Environment Conservation and Parks

1. Introductions & Welcome

2. Approval of April 9, 2019 Minutes

Approved

Presentations:

3. City of Hamilton Glanbrook Landfill, Rob Conley (15 minutes) (Postponed)

4. Bus Brains, Green Venture, David Hart-Dyke (15 minutes)



Questions/Discussion

Andy S – Is there data available to look at?

Dave H.D – No, but with permission it could be shared but it isn't very relevant unless the bus routes are also known; anywhere there is a spike in the reading it is generally associated with idling, except when it is with kids who were walking around the schools, they were able to see a spike in PM during the time class changed and in parking lots when teachers were vaping.

Dave H.D – Data will be shared with a researcher of UofT to establish baseline data for school bus air quality.

Dave H.D - The monitoring device logs the data over time

Dave H.D – Air quality was not as bad as expected, was better than southern US readings.

Denis C – Can't compare between two areas that are using the same instrument, the devices only measure the number of particles, so it can't be compared to standards.

Lynda L – Need to continue to advocate for electric bus work – could CAH ask the provincial/federal government to act on this?

Denis C – Green Venture has colour coding on the data which could be helpful for parents (e.g. Green is good, red is bad).

George M – used devices in Port Coulbourne, side streets where wind was more turbulent resulted in higher readings – can the devices look at this more carefully? In the long term. this could impact where doors and windows are on buildings.

Action Item – Citystaff will get data from Green Venture for qualitative rationale to put together a letter of advocacy for further education and awareness on bus drivers for not idling – will help raise awareness of air quality and will be able to use with the school's transportation work by Chronic Disease Prevention department in Public Health.

Updates:

5. Cumulative effects, new standards and Risk Communication, Trevor Imhoff (15 minutes)

- Proposal – Modeling cumulative effects of benzene and benzo[a]pyrene in Hamilton and Sarnia, this created action levels which are based on human and environmental toxicology assessment for the ministry.
- There are areas within Hamilton that have all action levels.
- The ministry wants to post the map online - recommendation that a risk communication strategy to go along with this,
 - Recommendation to change the denominator from 1 in a million, to 1 in one hundred thousand.
- The ministry doesn't want to change the wording.
- This is meant to address new and expanding companies in Hamilton,
 - Biggest CAH concern is when they are looking to find info on individual health, the public is instructed to contact public health, we want it to say contact doctor and public health unit – this change has been agreed upon this as public health is directed to address population health.

Questions/Discussion

Lynda L – How would a physician handle this, what information do they have?

Trevor I – They would address the particular health issue and then refer to public health if necessary.

Ed C – Adding a benzene and benzo[a]pyrene cancer risk should have not been added together as it has been done as they are related to different cancers.

Lynda L – Its complicated and I'm happy that this step is being taken, but we need to keep on talking about it.

Ed C – Agreed.

George M – Is a map for the city being used?

Trevor I – Yes, shows the action levels across the city. Benzene and benzo[a]pyrene have risk assessments for cumulative effects.

Brian J – This is the start of the work on this.

Denis C – Good that this is start to the conversation, there will be more benefits from controlling one thing. Working towards these targets with a clear process is great to get started.

Andy S – This goes with airshed modeling, helps make decisions on what can and cannot be controlled.

6. Purple Air Monitors, Lynda Lukasik (10 minutes)

<https://www.purpleair.com/>

- Dr. Matt Adams project from a community perspective.
- Affordable monitors that are reliable.
- To take part in the study the participants must have Wi-Fi, a plug outside, a secure spot and must monitor it for 2 years.
- This has become a way for community members to easily see air quality.
- Measures PM_{2.5}.
- Monitors are still being handed out, hoping for 40 across the city.

Questions/Discussion

Karen L – how much guidance are the people given about where to place monitor in yards?

Lynda L – The monitors do include an instruction kit about how to set it up and how to position the cords, but there might not be details about the exact placement of where the device is located. Might be a community forum to discuss the details of the project and to get more direction on the monitors. Next way of monitors will be soon, not sure when. These are particle counters, cannot be used with the HAMN map.

Chuck H – correlation between this and the BreezoMeter?

Trevor I – we can ask BreezoMeter. Do we want to ground truth the BreezoMeter while using already existing models and Purple Air? Can't overlay Purple Air with Hamilton Airshed modeling.

7. Clean Air Hamilton Funding 2019, Shelley Rogers (5 minutes)

Clean Air Hamilton funding provided by the Public Health Services operating budget was approved by the Board of Health and granted to the following projects after going through a third-party adjudicator process:

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

8. AQTF and Dust Working Group Updates, Trevor Imhoff (10 minutes)

Dust Group

- PHS was ready to go to BOH in May with the dust by-law. Was delayed due to Province restructuring Public Health. Bylaw meant update Streets By-Law and include an enforcement tool for fugitive dust.

Air Quality Task Force

- AQTF Work Plan



Adobe Acrobat
Document

- Requests feedback from CAH.
- One key direction was to continue to educate the population on Air Quality and HAMS.

Questions/Discussion

Andy S – As far as a study goes, HAMN can give an annual number. It can also give a 24-hour number, you can look at the different factors. You need more detailed research to link the detail together to know the cause. A study would be good.

Denis C – It's not just the steel industry, if we look at the higher reports we can get an idea of the industrial contribution. If you plotted the industrial emissions trend, you'll see a decrease. You could see the improvements over the years.

Andy S – They could summarise that, says to look at other sources of emissions as well.

Denis C – It could be various levels of complication, may need Golder.

Trevor I – Says to work with McMaster or UofT for Master's student to look at all the data, work with the professors. Have them present at the next UWDW in June 2020.

Andy S – Ask them to give a protocol to address Air Quality.

Chuck H – Says we'd need to provide funding to the school.

Trevor I – Could request hopping onto studies already taking place (like Matt Adams).

Bruce to sign letter to ask for appropriate funding for MECP van. Suggests cost sharing for future HAMS work.

Shelley R – To send out spreadsheet and we can discuss at the next meeting.

George M – Land use was an action item in the past, it doesn't pop up on this list.

Doesn't think there was any action the first time around. Wants the land use to be highlighted on this map. Thinks should bring forward past items (like land use) and add them to the list.

Action Item – Shelley R to send out AQTF Workplan for discussion at next meeting.

9. Survey and Interviews (Survey due May 24, 2019), Fiona Parascandalo (5 minutes)

Working on getting feedback on people's roles and how they see themselves in CAH and where they want to see it going. Shelley R to send out survey, Fiona will pass around a sign-up sheet for a phone interview. Shelley R to put survey on portal.

Action Item – Shelley R to send out survey link.

Action Item – Shelley R to put survey on portal.

10. Member Updates

Denis Corr, Corr Research Inc.

Thank you for the FAFK funding. Jumping into 2019-2020, looking to get as much as possible done in June. Ruetgers – he chairs the Environmental Monitoring team. They

refine Coke oven byproducts and they import them. They have been undergoing an abatement program. Identified areas where they can improve, next Community meeting is on June 5th at 5PM. Last week attended the CCME SAG meeting, CAAQS were looked at. He asked for maps of areas that will be expanded into non-compliance. Wants to look at synergies between air quality and climate change improvements. Extremely pleased that he is being honoured at the Environmentalist of the Year dinner. June 12 at Michelangelo's. Because EV's not being taken up, supports flying cars. Has some ideas now working with the Centre for Climate Change with Mohawk with Tony Cupido. He has a corner of a lab and putting experimental tables together. Looking for funding.

Andy S, Stelco Canada

Randle Reef project has started. Completely contains material through pipe so nothing hits the air. Still doing air monitoring around the facility. Looks good so far. Will continue until the end of the year.

Tom Chessman, Office of Energy Initiatives, City of Hamilton

Energy Office is looking at ways to reduce emissions at City's corporate facilities. Looking at GHG reductions strongly. Looking forward to seeing how Council responds. Lots of lighting projects and operating renewable facilities.

Denis C – said he was talking to Barry Duffy about a company that improves diesel efficiency by injecting hydrogen. Denis can find out more and pass onto Tom. Tom can pass onto fleet

Peter C, Citizen

Concerned with 5G, wants to see if there are long term studies.

Fran S, McMaster Institute for Healthier Environments, McMaster University

Undergoing a lot of changeover at senior level leadership at McMaster. Institute of Healthier Environments wants to focus on Equity.

Paul P, Energy Dimensions

Working with a group in Europe, parking garage air purification. Looking at areas in the GTA.

Dave H, Green Venture

Thank you for the support for Fresh Air for Kids, Has an NO and NO₂ monitor and wants to know if people can have a look at it.

Brian J, Citizen

No Updates. In terms of planning for committee and engaging Golder further, areas where input data is lower quality, suggests looking at the off-road sources of emissions. (off road vehicles, generators, equipment.)

Ed C, HIEA

HIEA on 17th had annual general meeting 40 people went out, a couple of speakers. Theme was Water. Mark Bambridge came out to speak about the WWTP, Scott Peck spoke about the Conservation Authority's work on the Stoney Creek mountain. A good evening. Had a tour of the steam museum.

Karen L, HIEA

Karen is a visual artist, won the Hamilton Arts Residency award, giving a presentation and an exposition of their work on May 22 at the Cotton Factory. Art based on biodiversity in her back yard. All are welcome to come.

George M, McKibbin Wakefield Inc. /University of Guelph

Suggests reading Nathaniel Rich's *Losing Earth: A Recent History*. On May 31 OPPI will hold WLOD CIP Policy Overview event at Region of Niagara's head office. George to present. More information can be found here: <https://events.ontarioplanners.ca/Events/Details.aspx?Id=cbbced0ab-de59-44b6-bdbb-f7734ac1c190>

Nico S Mohawk College Sustainability Office

Emily Vis, Nico's colleague, worked on tool kit for Campus Carbon Management through MCCC. To create an energy sustainability team, carbon auditing on campus, take lessons learned from leading institutions and apply to your own campus. She found that the knowledge can apply to businesses and non-profits. All information is on <http://campuscarbonmgmt.ca>

Lynda L, Environment Hamilton

Trees Please and Hamilton Forestry planted 400 native trees at Brampton Landfill. Wanted to mention the resurfacing of Redhill, all North bound traffic on the 21st, might be interesting for research.

Chuck H, Citizen

Volunteers to assist in research or help.

Shelley R, Healthy and Safe Communities, City of Hamilton

UWDW Planning Committee will meet on May 27th. Looking into having the event on June 8 and 9, 2020. Working on CDP reporting. We received a B grade last time and are looking to improve this year. Average for a municipality is the C-D range, so we are doing very well.

Trevor I, Healthy and Safe Communities, City of Hamilton

Proud of the B as it was unknown how scoring was done previously. We're moving forward on a City Wide/regional wide climate change adaptation plan. As far as energy efficiency goes, planning is working on a Community Energy plan, 3 proposals have been submitted. Will be scored soon. From Wednesday to Friday, Trevor will be in Ottawa National Energy code for buildings. Looking at tiered energy step approach. Looking forward to learning from that process to see how we adopt to the national code. Wants to see how it can stream from feds, province to municipal, green development standards, wants identified through the community energy plan.

Action Items

1. City staff will get data from Green Venture for qualitative rationale to put together a letter of advocacy for further education and awareness on bus drivers for not idling – will help raise awareness of air quality and will be able to use with the school's transportation work by Chronic Disease Prevention department in Public Health.
2. Shelley R to send out AQTF Workplan for discussion at next meeting.

3. Shelley R to send out survey link.
4. Shelley R to put survey on portal.

Next meeting

June 10, 2018

3:00-5:00pm

City Hall Room 192/193