



Minutes

Coordination Committee

Monday, January 14, 2019, 3:00 – 5:00 pm

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

Present:

Bruce Newbold (Chair)
Peter Chernets, Citizen
Robert Clackett, Planning and Economic Development, City of Hamilton
Ed Cocchiarella, – HIEA
Denis Corr, Corr Research Inc.
Dan Dobrin, Ministry of the Environment Conservation and Parks
Heather Donison, Green Venture
Kate Flynn, Mohawk College
Charles Hostovsky, Citizen
Trevor Imhoff, Healthy and Safe Communities, City of Hamilton
Gloria Ko, McMaster University
Karen Logan, HIEA
Fiona Parascandalo, Royal Roads University
Peter Ponikielski – Ministry of the Environment Conservation and Parks
Shelley Rogers, Healthy and Safe Communities, City of Hamilton
Andrew Sebestyen, Stelco Canada
Natalie Stacey, Ministry of the Environment Conservation and Parks
Kayli Thrope, McMaster University

Guests:

Ardevan Bakhtair, Scentroid
Hesam Kashani, Scentroid,
Anton Jitnikovitch, Scentroid

Regrets:

Matt Adams, University of Toronto
Umme Akhtar, Health Canada
Jonathan Bastien, Hamilton Conservation Authority
Susan Chapman, Ontario Lung Association
Don Curry, Healthy and Safe Communities, City of Hamilton
Elise Desjardins, Friendly Streets Hamilton
Abe Hafid, McMaster University
Brian Jantzi, Citizen
James Kaspersetz, Niagara Peninsula Conservation Authority
Juby Lee, Environment Hamilton
Lynda Lukasik, Environment Hamilton

John Lundrigan, ArcelorMittal Dofasco
George McKibbin, McKibbin Wakefield Inc. /University of Guelph
Christine Newbold, Planning, City of Hamilton
Susan Neudorf, Green Venture
Paul Panabaker, Energy Dimensions
Fran Scott, McMaster Institute for Healthier Environments, McMaster University
Guneet Saini, McMaster University
Japteg Singh, McMaster University
Sara Yonson, Hamilton Port Authority

1. Introductions & Welcome

2. Approval of December 10, 2018 Minutes

Approved

Presentations:

3. Scentroid Presentation (15 minutes) Dr. Ardevan Bakhtair and Hesam Kashani, Anton Jitnikovitch



Adobe Acrc

Questions/Discussion

Ardevan B – Scentroid wants to calibrate one of their monitors to ours, or to show the accuracy of their sensor. They have had projects in Italy, Toronto and Vancouver.
Chuck H – Thinks the airborne censoring is interesting, what's the legality for drone air testing over private property?
Ardevan B – They have the MOE or a drone company operate the drones. Not sure who in Hamilton would operate drones.
Peter C- Thinks the mobile unit is a good idea, how many would we need to cover the City of Hamilton if we attached to our buses?
Ardevan B – Toronto is going to be installing 15 sensors on TTC vehicles.
Denis C –How much do these units cost?
Hesam K- Ranges from \$9000/unit - \$15,000. Hamilton would probably want to use a \$15,000 unit.
Denis C – what are the limits?
Ardevan B – they can send us a list.
Chuck H – Here in Hamilton we had our Compost Facility shut down, you need to do model odor thresholds, are there waste management opportunities in these products?
Ardevan B – Odor is measured different, but they have units that will do this. They use humans in the process.
Denis C – The drone was interesting, not sure if this is useful in urban situations, but could be good in emergency situations.
Trevor I – What is the power supply?

Ardevan B – Can be hardwired or solar.

Trevor I – Hamilton has a compost facility who are looking at odor reduction strategies, something to look at that would be useful, and asks if they have approached ECCC because they are looking into portable and lower cost monitoring. They might be interested in this technology as well.

Denis C – One of the assets is the recording and reporting capabilities.

Bruce N – this is very interesting and there is potential to use this technology in future projects in Hamilton.

Updates:

4. AQTF Update (10 minutes) Trevor Imhoff

We had the second AQTF meeting/workshop at which Golder presented on their sub-regional analysis work. Some of the more interesting points of the sub regional approach were:

- We broke the City up into five sub regions, findings were what was expected with transboundary and tier four approach.
- The HAMS is a model (not monitored) based on 2012 emissions data, transportation data may not have been from 2012.
- PM_{2.5} and PM₁₀ were broken up and mostly transboundary and Industrial
- More NO₂ in west, mostly from transportation.
- SO₂, the large spike was West Lower from non-road emissions, most likely from the rail yard (diesel train emissions).
- Higher concentrations in Industrial and West Lower areas.
- Did table exercises looking at previous AQTF recommendations and looked at regional and sub regional analysis and looked at actions to address.
- TI summarized the list and there were 45 directions from the members at the meeting.
- TI grouped actions together, three main themes, aligns with the AQTF report: Education and Outreach, Air Quality Monitoring, Hamilton Airshed Modelling System.

Next Steps: meet for a third time and take the themes and apply actions and a work plan that we can use to move forward.

Questions/Discussions

Ardevan B – is there a correlation between HAMS and the Hamilton Air Monitoring Network.

Trevor – They were within a range of two standard deviations, which is considered accurate. Education and outreach were listed often, we now have two interns to look at a scientific based strategic communications plan and how to achieve better air quality. Spoke to colleagues about creating games and video games for children for air quality educational purposes. Also look at risk communication, and how to better communicate the results of the HAMS and the Hamilton AQHI.

Denis C – Likes the idea of having some sort of video game to educate kids, and we could have that on the CAH website.

Bruce N – We're close to Sheridan collage who are known for making video games

Ardevan B – UofT has cleanest air routes to travel around Toronto, you could use the data that we have to do something like this.

Trevor I – Environment Hamilton has inhale maps. This works similarly. Doesn't show the best route, but that would be a good next step.

5. EBR Postings (15 minutes) Shelley Rogers

Bruce and Shelley are going to meet with the MECP in Toronto on Thursday for Drive Clean Stakeholder workshop, if anyone has anything they would like us to bring forward, please let us know. Currently planning to speak to roadside monitoring

Andy S – It's a good move to go down the road of testing Diesel vehicles and have regular testing similar to the previous vehicle testing.

Trevor I – it would be interesting to see how computer software on new engines impacts performance. It needs to be updated and maintained. Some software will disable trucks if it is not updated regularly.

Discussed future responses to EBR's. Came to consensus that individual stakeholders are free to apply on their own and CAH will only respond to EBR's that do not have any conflicts of interest between members.

6. Future Direction and Role of Clean Air Hamilton (15 minutes) Trevor Imhoff

Is there an appetite to create position papers on behalf of CAH? i.e. Electrifying fleets. This would be educating the public, corporate, and the Province.

Questions/Discussions

Karen L – This is the direction CAH was going a few years ago. We wouldn't take a position on regulations, but just recommendations. If there is something that we think City Council should be looking into, we can make recommendations that involve research.

Ed C – Consider that there may be conflict of interest.

Dan D – Agrees with Karen, but there are things that we should lobby behind, like electric vehicles, electric fleets, there are non-conflict ideas.

Denis C – Also agrees, we did a hybrid/electric study in the past, lead to very successful hybrid vehicle purchasing program.

Bruce N – There has been soft advocacy, but we have to choose carefully.

Karen L – They spent a lot of time and hours in the past talking about this and what our structure would look like. It was never resolved.

Denis C – We have a very diverse committee and we have to be patient, the things we do are long term.

Heather D – Doesn't know if we need to go toward position papers, our strength is pulling together evidence, gaps and potential actions that we can bring to council and the community. Would support not calling what we produce position papers, but calling it input on research and issues. May need to identify what our agenda is and what we're going to work on for the next few years.

Trevor I – sees middle ground where we use results of the AQTF, for example, the education and outreach and HAMS to identify transboundary sources, and then use that to engage provincial government and federal government to address these issues.

Andy S – CAH started as a multi-stakeholder group for communication, if an issue comes up, such as “what is industry doing about benzene and PM?”, they can say “We’re working on it and this is how”. We know a lot of pollution is transboundary, how can we address this?

Karen L – The biggest strength of this group is that we have a lot of different people at our meetings and we can use what we learn from each other to help each other.

Chuck H – Use of the word “position papers” would probably not be the best idea, we could say “peer reviewed” but we’re not pro bono consultants.

Trevor I – Looks like as the AQTF moves forward and with our interns, we will be able to come to what the group wants to see organically.

7. Terms of Reference (10 minutes) Shelley Rogers

Members are reminded to please let SR know if they will be absent from meetings and to send a back-up if unable to attend.

8. CAH Data Portal Mock-up (10 minutes) Trevor Imhoff

2gen added a secured member login page. Anyone with access can login and add discussions. Anything documents larger than 5mb will have to be uploaded by Shelley or Trevor.

Karen L – Any corresponding members should have access.

Denis C – everyone on our mailing list should have access.

Bruce N – This will be a good way to communicate, will we get email if things are posted.

Trevor I – you can receive email for replies to your posts, only if you click the box.

Group consensus that all members on email list are to be given access to the portal.

9. Member Updates

Bruce N, McMaster University

Shelley and Bruce going to MECP on Thursday to discuss Drive Clean changes.

Ed C, HIEA

HIEA are getting their 2019 program going, looking for new companies to join.

Dan D, MECP

Working toward new environmental plan.

Natalie S, MECP

Business as usual. Still working to the PM_{2.5} monitoring.

Denis C, Corr Research Inc.

Increasing concern about the science behind and the increasing rate of climate change and combines with fact of mobile monitoring they’ve done. Lots of emissions are from traffic. Looked at the use of drones. Thinks that Hamilton should be put forward as an experimental city with Transport Canada and anyone with experimental vehicles and technologies should test them here.

Chuck H, Citizen

Teaching introduction to planning at Brock and will address Global warming. Hoping to be fulltime at McGill, Ryerson or UofT next year.

Kate F, Mohawk College

Mohawk has opened their first net zero building. Learning what it takes to build them, they have a series of labs that invite people to use as living labs. Happy to have conversations with issues that are impacting other members.

Andy S, Stelco

Integrated steel companies are discussing with MECP technology standards for integrated steel contaminates and will probably go on for the next year or two, looking at emission reduction technology.

Karen L, HIEA

HIEA is on the community committee of the integrated steel technology standards.

Heather D, Green Venture

Green Venture finished 2018 programs and wants to share their data when it comes in. They have schools lining up for 2019 FAFK. They are going to post for a permanent ED (Heather is interim). Suggests that CAH meet at the Ron Joyce Centre for a future meeting.

Shelley R, City of Hamilton

CAH Funding applications have been released and can be found on the Clean Air Hamilton website: <http://cleanairhamilton.ca/2019-clean-air-hamilton-funding-application-and-criteria/>

Trevor I, City of Hamilton

Busy year for climate change, we're working with McMaster and Mohawk, Bay Area Climate Change Summit called Climate Hope and Action from March 26-28, 2019, registration coming out soon. Day one is Climate and Economy, bringing in businesses and industry, Second day Energy and Community, sustainable and low carbon technology and the third day will be Transportation and Health.

Kate F- Last day is a youth summit, will provide opportunities for learning about job opportunities, community resilience, want to get the students informed that they will be impacted.

There may be a use for Energysprong in Hamilton. Energysprong is a technology prefabricated panels that can retrofit the outside of buildings with solar panel roofs and involves fuel switching to make existing buildings net zero. Cost is coming down. Developed a market working with construction companies there. Shows a bit of government incentive to get going. Looking into the feasibility of a pilot of running.

Next meeting

February 11, 2019

3:00-5:00pm

City Hall Room 192/193