



## Minutes

Coordination Committee

Monday, March 11, 2019, 3:00 – 5:00 pm

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

---

### Present:

Bruce Newbold (Chair)  
Susan Chapman, Ontario Lung Association  
Peter Chernets, Citizen  
Heather Donison, Green Venture  
Lindsay Goddard, McMaster Institute for Healthier Environments, McMaster University  
Charles Hostovsky, Citizen  
Trevor Imhoff, Healthy and Safe Communities, City of Hamilton  
Brian Jantzi, Citizen  
John Lundrigan, ArcelorMittal Dofasco  
Lynda Lukasik, Environment Hamilton  
Gloria Ko, McMaster University  
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  
Andrew Sebestyen, Stelco Canada  
Natalie Stacey, Ministry of the Environment Conservation and Parks  
Kayli Thorpe, McMaster University

### Regrets:

Matt Adams, University of Toronto  
Jonathan Bastien, Hamilton Conservation Authority  
Robert Clackett, Planning and Economic Development, City of Hamilton  
Ed Cocchiarella, – HIEA  
Denis Corr, Corr Research Inc.  
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  
Kate Flynn, Mohawk College  
Abe Hafid, McMaster University  
James Kaspersetz, Niagara Peninsula Conservation Authority  
Juby Lee, Environment Hamilton  
Karen Logan, HIEA

Christine Newbold, Planning, City of Hamilton  
Susan Neudorf, Green Venture  
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 Feb 11, 2019 Minutes**

Approved

### **Presentations:**

## **3. BreezoMeter (Video Presentation), Amit Safir (50 minutes)**

- Company founded when founder was looking for a new home and was concerned about the air quality in areas he was interested in living.
- Wanted to build a tool that allowed people to see what's in the air they are breathing at any given time.
- BreezoMeter technology is used in 83 countries.
- Mission: To improve the health and quality of life for billions of people worldwide.
- Areas can vary for air quality, BreezoMeter uses various levels of data (traffic, air quality stations, weather, meteorological) to give real-time localized data.
- Algorithm gives 250m resolution.
- Provides heat maps.
- Third party companies run accuracy studies, they found that the data is within 95% accuracy.
- Technology is used for applications that allows clients suggestions as to when to close windows and when to turn their air purifier on.
- They are part of the "Smart City World". Allows cities with information to keep pollution below thresholds, urban planning, traffic diversion.
- Work with medical devices.
- Application includes: heat map, real-time air quality index, pollen counts, dominant pollution data, pollution heat map, heat recommendations, pollutant concentration, 4-day weather forecast, give recommendations for citizens for outdoor activities depending on pollutant concentrations.
- Allows drivers to choose the cleanest routes when driving.
- Anyone can download the app and see how air quality is where they are.

### Questions/Discussion

Lynda L – Is the City looking into this?

Trevor I – We're looking into recommendations from CAH. How can CAH, in the role that we play, advocate for this at the provincial or national scale. We didn't ask how much it costs. Could Hamilton be a pilot and then scale this out throughout Canada. Ground truth with HAMN and then investigate working with Province and Federal governments.

George M – Does their business model work on a Municipal scale?

Trevor I – Seemed like he was. He is interested in partnering or collaborating with CAH.

Andy S – Did they collect industrial data?

Trevor – They use provincial and federal information. We could look at inputs Golder used for the HAMS.

Andy S – It would be interesting if there is a CMAC model.

Chuck H – Should we use an app to juggle traffic around if our goal is to get people to not use personal vehicles?

Trevor I – We are already using the HAMS with the transportation team for updating the truck routes, if we could get real time data that people could use to see a heat map during commute time. Heat maps show that those areas have poor air quality. Could use it as a messaging system to get people out of their cars.

Jennifer R – Pedestrian and cycling routes could be planned using this data.

Peter C – COPD, asthma and allergy sufferers will be at less risk with this technology.

George M – Have they been in Canada yet? What is the timing how do we fit in?

Lynda L – They have other cities in the world that are doing this. They are using monitoring data for this, how will monitors stack up against this? This could work with Dr. Matt Adams' research

Trevor I – Those networks with Matt Adams would probably catch his readings. Looking to use his research to look at HAMS

Peter P – looks like it needs a lot of sensors to get the algorithms to do what they need to do, wonders how many sensors are planned out, but is that enough. What are their basic level requirements for sensors?

Trevor I – Their quality control says that they are 95% accurate, as a model this would be ok. Wants to use HAMN to justify.

Brian J – Just downloaded app, looks good. Presents well.

Bruce N – Would be good to look at the values across the City.

Chuck H – Is it taking existing data from stations and then use the other types of data or do they use their own monitors, do they use geography and building heights?

Trevor – They use existing stations.

Andy S – Interested in air monitoring in the future, thinks this is good technology.

George M – What are the various algorithms and what is measured? Might be more detailed than we might think.

John L – Do they have historical info, averages and trends?

Heather D – It does seem accessible for all citizens. Thinks this is a great idea, if we're comfortable with its accuracy. Could educate the public using it.

Ed C – are traffic emissions considered?

Trevor I – Yes. They use a company called "Here" to do it, but that's something the City could probably provide, asks if their inputs are the same as our CMAC?

Jennifer R – Looking at Historic data, if we look at future projections, if there are concentrations that we know would be poor, can include in building design in the future.

Chuck H – do we know what the difference is between outside air quality in car and if you have your car on recirculate, and the air quality in cars. If the air is on recirculate how will this differ from taking a different route.

Jennifer R – The Nature of Things said that you should have it on recirculate.

**ACTION:** Shelley R to compile questions and forward to BreezoMeter.

#### **4. Active and Sustainable School Travel Videos, Trevor Imhoff (10 minutes)**

Delayed until April's meeting

#### **Updates:**

#### **5. TOR Review and vote, Bruce Newbold (10 minutes)**

The TOR has been updated by Bruce N, Trevor I and Shelley R. Roles of participants and future goals were considered. Are there any Questions/ Comments?

#### Questions/Discussion

Brian J – Thought it was good. Will you be removed from the mailing list if you don't attend meetings?

Bruce N – Participation should be included. Minutes still go out to the mailing list

Shelley R – Corresponding members are on the mailing list and they also have access to the discussion board.

George M – There was a presentation a while ago about Lampton and how they had to change the regulation. When Denis C commented there was a regulation that there was something that the minister could enforce, should we make reference to it?

Trevor I – Is the Lampton procedure the one that industry revs down during poor air quality days?

George M – Yes, and it set up the basis for CAH from a ministry perspective.

Bruce N – We can ask Denis C about this.

Brian J – Remembers this in the 1990's and it was voluntary.

Ed C – That regulation was triggered by the old Air Quality Index, but we don't use that anymore. If the Air Quality Index was too high, the industry would be shut down, but they never hit that, and they don't measure AQI anymore.

Andy S – The last time they received a call was 4 years ago from the ministry.

Chuck H – One comment: Doesn't like page two "endorse city actions to improve local air quality", should this be "review". Another thing to consider is to have a Skype version of meetings for people who can't attend meetings.

Trevor I – Likes that idea, like using a WebEx.

Bruce N – We could look into this.

George M – Wondering if the Lampton regulations are what Denis was referring to.

Bruce N – We'll check with Denis

Heather D – Does this have a timeline on our goals.

Trevor – We'll defer this until the AQTF

Bruce N – Proposed motion to pass TOR under the condition of changing "endorse" to "review on page 2 and verifying Lampton Regulations with Denis C. Chuck H seconds. Group voted all in favour.

**ACTION:** Shelley R to update TOR and contact Denis C regarding George M's question on past Lampton regulations.

**ACTION:** Shelley R to investigate arranging WebEx meetings.

## **6. AQTF Update, Trevor Imhoff (5 minutes)**

Goals and objectives are for 2-3 years, last time was in 2016, so it's time to revisit this. Wants to ask committee, based on last AQTF workshop, can we utilize the directions and formulate actions that we can take to align a workplan? These will be posted on the blog for review and use the direction for the next 2-3 years.

### Questions/Discussion

Heather D – Are there goal we should be adapting from the task force for CAH?

Trevor I – In our progress reports, we have strategic directions. One of them could be using Airshed Model for transportation planning and TRAPS, when planning truck routes. Next step for Trevor I is to utilize direction, look at high level goals, and have another column for specific actions. Use to develop 2-3 year workplan.

## **7. Dust Group Update, Trevor Imhoff (5 minutes)**

Andrea McDowell has been leading dust committee and has been providing information to the City Legal department regarding the Fugitive Dust By-law. The City Solicitor has made comments; the Dust Committee will meet next Monday, and it will be submitted to BOH sometime this year.

## **8. UWDW Planning Committee, Shelley Rogers (5 minutes)**

Shelley R requests 1 – 2 more people for the committee and will be sending out a doodle poll for first meeting.

## **9. Member Updates**

### Natalie Stacey, MECP

Not much happening, Assistant Deputy Minister is visiting them next week, they are going to showcase work in Hamilton, will look at the airshed and show some of the work being conducted. The meeting will be for a combination of three district offices in our region, large portion will focus on the Hamilton Airshed.

### George McKibbon, McKibbon Wakefield Inc. /University of Guelph

After Christmas last year Ontario Provincial Planners commented on Bill 66. It was fascinating that the institute took the position that if it went forward, Municipal and Provincial planners wouldn't meet the code of practice. Can see their submission on the OPPI's website. Schedule 10 was withdrawn with expectation that something will come again.

### Sue Chapman – The Lung Association

Based on successful program in Nova Scotia radon with digital radon test kits available to borrow from libraries, they are working with Burlington Libraries to conduct a similar program. Would like to connect with Hamilton PHS and have a deeper dive into Hamilton's future program.

### Paul Panabaker, Energy Dimensions

Nothing too new, hopefully new reports for next meeting.

Heather Donison, Green Venture

Ramping up Fresh Air for Kids, new materials and are scheduling schools for May and trillium funding.

Gloria Ko, McMaster University

Is an ambassador of the Student Sub-committee for the Interdisciplinary Minor in Sustainability at McMaster's Academic Sustainability Programs Office. If the CAH wanted them to spread the word for educational outreach programs, they are more than willing to assist.

John Lundrigan, ArcelorMittal Dofasco

Stelco and Dofasco are heavily invested with GHG emissions reductions. Heavily involved in last few months. Hope to have consultations complete by May, will see what applies by end of the year.

Brian Jantzi, Citizen

There is a proposed EBR for Making Polluters Accountable, there is a link that Shelley R can distribute. If members want to comment, due March 29, 2019. Doesn't think it's too bad, has some benefits. If you submit anonymously, they will post it.

Ed Cocchiarella, – HIEA

HIEA has application in with TAF. Not sure if they won the grant, around procurement policies that encourage industry to co-locate. Easier to move products that way. Annual meeting on April 17<sup>th</sup>.

Peter Chernets, Citizen

Was happy to be part of the BreezoMeter meeting.

Andrew Sebestyen, Stelco Canada

They are heavily Provincial and Federal GHG involved. Waiting to see what the outcome is.

Shelley Rogers, City of Hamilton

The EBR Posting is available for Making Polluters Accountable and Shelley R will send out the link. Please remember to submit applications for CAH funding by March 20, 2019.

**ACTION:** Shelley R to send out EBR link for Making Polluters Accountable.

Trevor Imhoff, City of Hamilton

BACC Cities in Action Summit will be held from March 25 to 29, March 25<sup>th</sup> is free, can go to <https://citiesinaction.mohawkcollege.ca/> to register. Townhall meeting with Minster McKenna Wednesday evening 6-8 townhall at Ron Joyce Centre.

**ACTION:** Shelley R to send out link for the Summit.

**ACTION ITEMS**

**ACTION:** Shelley R to compile questions and forward to BreezoMeter.

ACTION: Shelley R to update TOR and contact Denis C regarding George M's question on past Lampton regulations.

ACTION: Shelley R to send out EBR link for Making Polluters Accountable.

ACTION: Shelley R to investigate arranging WebEx meetings.

ACTION: Shelley R to send out link for the Summit.

**Next meeting:**

**April 8, 2018**

**3:00-5:00pm**

**City Hall Room 192/193**