



**Meeting Minutes**  
Coordination Committee  
Mon. December 8, 2014, 3:00 – 5:00 pm  
71 Main St W, City Hall, Rm 192/193

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**1. Introductions & Welcome**

**In Attendance:**

Denis Corr, Citizen/Rotek Environmental (Chair)  
Brian Montgomery, Air Quality Coordinator, City of Hamilton  
George McKibbon, McKibbon Wakefield Inc.  
Christine Newbold, Planning and Economic Development, City of Hamilton  
Deirdre Connell, Green Venture  
Debbie Achatz, Public Works, City of Hamilton  
Matt Lawson, Public Health, City of Hamilton  
Sally Radisic, Public Health, City of Hamilton  
Jim Stirling, ArcelorMittal Dofasco  
James Kasperetz, OEAC  
Lynda Lukasik, Environment Hamilton  
Karen Logan, HIEA Representative, Communication Coordinator  
Marie McKeary, McMaster Institute of Environment & Health  
Andrew Sebestyen, U.S. Steel Canada  
Peter Chernets, Citizen  
Anna Yusa, Health Canada  
Ted Mitchell, Citizen  
Dan Dobrin, Ministry of Environment and Climate Change  
Brian Jantzi, Ministry of Environment and Climate Change  
Lorraine Vanderzweelt– Mohawk College  
Sapphire Singh, Green Venture  
Matt Adams, McMaster Centre for Spatial Analysis  
Virginia Stonehouse, Green Venture  
Tricia Mitchell, Environment Canada

**Regrets:**

Brian Lennie, Horizon Utilities Corporation  
Heather Donison, Sustainability, City of Hamilton  
Scott Peck, Hamilton Conservation Authority  
Michelle Sergi, Planning and Economic Development, City of Hamilton  
Dave Carson, Dundas in Transition  
Heather Arnold, Environment Canada  
Katie Chan, U.S. Steel Canada  
Kathryn Enders, Green Venture  
Peter Topalovic, Smart Commute -TDM, City of Hamilton  
Patrick Quealey, Environment Canada

Tom Chessman, Public Works, City of Hamilton  
Carolyn Barnes, ArcelorMittal Dofasco

*Meeting Commenced at 3:05pm*

- Brian Jantzi joins from the Ontario Ministry of Environment and Climate Change
- Matt Adams joins from the McMaster Institute of Spatial Analysis
- Heather Arnold and Patrick Quealey were unable to attend, Tricia Mitchell came in their place representing Environment Canada
- Sapphire Singh and Virginia Stonehouse attended from Green Venture to report back on 2014 projects.

## **2. Approval of November 3 2014 Minutes**

- Approved

## **3. Clean Air Hamilton Meeting dates**

- Brian provided dates to members via Email and confirmed all received
- Noted Feb 24, 2015 is an odd date and time as room was unavailable until late in month
- Denis queried members on preference to move date or move March 9, 2015 meeting to later to ensure enough time between meetings.
- Members were fine with dates established

## **Items:**

## **4. Clean Air Hamilton 2014 Projects Update – Information**

### **4.1 Clean Air Events – Deirdre Connell, Green Venture**

- Purpose is to educate public on what Clean Air Hamilton does and the results of the annual report at events and in the community
- Attended 4 ½ events in 2014
- 450 people engaged with 1475 impressions

### **4.2 Totally Transit for Adults – Virginia Stonehouse, Green Venture**

- Program works and educates older adults on usage of public transit
- 84 participants in 2014
- 2 events – health and safety fairs for older adults
- Includes guided bus trips with volunteers – trips to Jackson Square and Farmer's Market using the HSR
- 19 guided trips in 2014 with 12 volunteers

- 100 tickets were donated to program from HSR
- Total trips to date = 47 hours.
- Question from committee on is this program easy because older adults need to give up vehicle?
- It is easier to ease older adults to bus as part of their daily commute
- Increases bus ridership and saves parking

#### **4.3 Totally Transit for Kids - Virginia Stonehouse, Green Venture**

- Program that educates and works with school aged children on how to ride public transit
- Work with teachers as a learning module for children
- 3 options for children
- 1) Trip to EcoHouse (learn tips like how to use the bike rack on the bus and educational programs at EcoHouse (energy, air, transportation, water, climate)
- 2) Full day trip to Steam & Technology Museum and EcoHouse
- 3) Bus arrives at the school and kids experience at school.
- Very popular with teachers and local schools for programming
- 250 kids participated in 2014 in Option 1
- 57 presentations to audiences in 2014
- 1,529 students engaged in Option 3

#### **4.4 Bicycle Air Monitoring – Lynda Lukasik, Environment Hamilton**

- First program in Canada and modelled after successful program in Pennsylvania
- Particulate Matter (PM) monitor with a GPS data logger attached to the bike handlebars
- Dylos PM air monitor
- Two PM values – PM2.5 and Total Suspended Particulate
- GPS logger has date and time stamp
- 5 air monitors in 2014, now up to 14 air monitors to undertake work in 2015
- Have to avoid wet weather due to air monitor not being waterproof
- Volunteers bike regular route and air monitor samples
- Self-directed cycling routes in 2014, looking at major cycling routes in 2015
- 145 people signed up to assist as bike riders
- 78 volunteers have participated in 2014
- High demand and interest from all walks of life
- Finalize and public launch of on-line map to come
- Some blips on data and working on how to reconcile
- Some may be one time incident – discard? Others are influenced by surroundings (traffic)

- Volunteers do note experiences through voice recording on GPS logger on incidents
- Future focus need to collect more data resulting in more robust values, focus on time of day etc.
- New program with Toronto in 2015 called INHALE, Hamilton teaching Toronto
- INHALE will look at 2 neighbourhoods in each city – monitors at street level in storefronts, on bikes, on strollers, and with walkers.
- Get an air picture of the street level
- On-line map is under development and being built

#### **4.5 Fresh Air Kids School Air Monitoring – Sapphire Singh, Green Venture**

- Program looks at air quality and active transportation at schools
- Interactive programming with air monitoring, walks, storytelling with kids grades 2/3 and 5/6 on air quality awareness, transportation options and protecting health.
- Still more work to do, results to date
- 120 students (100 was target)
- 4 schools in 2014, public school board (in 2013 was catholic school board)
- 8 presentations (8 was target)
- Storytelling, air quality quiz and games
- Denis Corr prepares map of neighbourhood area with school and does preliminary air monitoring
- Kids asked to map where home is and the route they take to school on map
- Kids get to go out for field research with a Dust Tracker PM device to do air monitoring in neighbourhood
- Very popular program with kids and teachers to date
- Activities still to accomplish – a video, a resources kit to be developed to tie into curriculum and resource for teachers, and a tour of the Ministry of Environment and Climate Change air monitoring van.

#### **4.6 Air Quality Health Index (AQHI) - Matt Adams, McMaster Centre for Spatial Analysis Group**

- Intent of program to develop and put online a user friendly AQHI Map for Hamilton
- Have AQHI values but does not account for spatial variability
- 1<sup>st</sup> attempt – colours bled using AQHI colours
- Second attempt – including driving factors - transportation, industry/land use and topography that influence air quality
- Developed a neural network model based on mobile air monitoring
- Working on live map
- Live mapping process is air monitors data captured to servers, servers than input to neural

network model and data uploaded to a live map

- Challenges remain to be addressed – colour scheme and legend for maps
- Web developer to work on the “shell” of the website.

#### **5. Mohawk College- Environmental Informatics – Information – Lorraine Vanderzweilt**

- Proposed post diploma program at Mohawk
- Lorraine is seeking input on interest and value to employers through surveyata, and assessment of data.
- Focus is not just air, but also water and soil
- Beyond traditional geomatics
- Lorraine welcomes input from members

#### **Action items:**

- **Lorraine to work with Brian M to send out a survey to members for their input on the proposed program and value to their work places.**

#### **6. Elm Air Quality Monitoring System – Information – Peter Chernets**

- Has investigated easier ways to monitor local air quality through a myairbase unit
- Recently spoke with PerkinElmer Inc. and is testing an Elm air quality unit
- These units are cheaper than current air monitors and smaller in scale
- Propose interest in a local air monitoring test pilot project of units
- \$5K - \$11K for pilot to test units and compare with current air monitors
- <http://elm.perkinelmer.com/>
- Question from committee on calibration of units
- PerkinElmer Inc. would be able to answer

#### **Updates:**

#### **7. Clean Air Hamilton Decision Making Working Group – Information – Brian Montgomery**

- The working group met with Chair in November and developing a presentation of a decision making model to Clean Air Hamilton in early 2015
- There are some aspects of decision making group wishes to hash out beforehand
- Hope to present to Clean Air Hamilton members results of discussion by February 2015 meeting

#### **Action items:**

- **Working Group to meet in January to continue discussion and prepare a presentation to Clean Air Hamilton.**

## **8. Clean Air Hamilton Report Working Group – Information – Brian Montgomery**

- Working Group met in November
- Wish to make the current report shorter, and more focus on current actions of Clean Air Hamilton
- Wish to keep data trends such as air quality trends
- Examined format and topics for proposal for 2014 annual report
- Looked at eliminating old data and information if not current
- Have a storytelling element for members that reflect diversity of group but also current projects
- Two members – Karen Logan and Kathryn Enders are working on the new proposed format.
- Group will meet again in January and hope to report on the proposed format to Clean Air Hamilton in February

### **Action items:**

- **Working Group to meet in January to continue discussion and look at format of proposed new Clean Air Hamilton report.**

## **9. Climate Change Plan Update – Information - Brian Montgomery**

- Have entered Phase 3 of the Community Climate Change Plan which has the 8 theme groups meeting independently and compiling list of actions to address climate change locally
- These actions build on current initiatives and identified gaps on actions
- Nine themes for Task Force groups formed – Water and Natural Heritage, Infrastructure, Land Use and Built Form, Transportation, Local Economy and Business, Agriculture and Food, Energy, People and health, Awareness and Education to make recommendations for actions.
- Have approx.. 70 people volunteering time in theme groups
- Education and Awareness is largest group with 13 people and are working with them to integrate them into other theme groups to help identify awareness and education opportunities with actions identified
- Public engagement – have reached over 25 events/locations and coffee shops since September. Representing majority of Wards. Finished Terryberry, Mount Hope, Binbrook and Greensville libraries on Thursday to capture rural/urban areas of City.
- Wrapping done engagement for the season with the last one on Wednesday at the Hamilton Works Community Liaison Committee.
- Preliminary assessment of conversations shows interest in climate change but responses range from yes experienced to no not experienced, it's a natural weather event to concern on flooding.
- Actions from public include more education and awareness needed, renewable energy resources

locally, political intervention, and less sprawl.

- 220 followers on twitter account for the project.
- Steering Committee will meet again Jan 15, 2015. Taskforces meet as a large group in Feb 2105. Focus of Task forces is on actions.
- Broader community engagement continues <http://www.climatechangehamilton.ca/join-the-conversation> and Twitter - @ClimateConvo

#### Other items:

#### 10. Group Photo – January meeting

- The Clean Air Hamilton Reporting Group wishes to have a group shot taken at the January 2015 meeting.
- Please come dressed to impress.
- Photo will be used in the annual report

#### 11. Invitation to Speak – Cara Clairman of Plug’n Drive Ontario

- Last week at Public Works had an invitation to a meeting looking at encouraging more uptake of Electric Vehicles in Hamilton
- Cara was presenting
- Would be of interest to members as we have supported hybrid vehicle uptake in past and this is one method of addressing air quality impacts from transportation.

#### Action items:

- **Brian M to contact Cara and ask for her to present at a 2015 meeting**

*Meeting Adjourned at 4:55 pm*

#### Next meetings:

<b>January 12, 2015</b>	<b>3:00-5:00pm</b>	<b>City Hall Room 192/193</b>
<b>February 24, 2015*</b>	<b>3:00-5:00pm</b>	<b>City Hall Room 192/193</b>
<b>March 9, 2015</b>	<b>3:00-5:00pm</b>	<b>City Hall Room 192/193</b>