



## **Minutes**

### **Coordination Committee**

**Monday May 14, 2018, 3:00 – 5:00 pm**

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

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#### **Present:**

Bruce Newbold (Chair)  
Denis Corr, Corr Research  
Trevor Imhoff Healthy and Safe Communities, City of Hamilton  
Lynda Lukasik, Environment Hamilton  
Sean Angel, Environment Hamilton  
George McKibbon, McKibbon Wakefield Inc./University of Guelph  
Fran Scott, McMaster Institute for Healthier Environments  
Abe Hafid, McMaster Masters of Public Health Program  
Susan Chapman, Ontario Lung Association  
Robert Clackett, Planning and Economic Development, City of Hamilton  
Peter Chernets, Citizen  
Andrew Sebestyen, Stelco Canada  
Dan Dobrin, Ministry of the Environment and Climate Change  
Michael Gemmell, Green Venture  
John Lundrigan, ArcelorMittal Dofasco  
Gloria Ko, McMaster University  
Dylan Ward, Smart Commute -TDM, City of Hamilton  
Shelley Rogers, Public Health, City of Hamilton  
Karen Logan, HIEA Representative, Communication Coordinator  
Elise Desjardins, Friendly Streets Hamilton  
Brian Jantzi, Citizen  
Chris Daikopoulos – McMaster University  
Mauricio Garzon – McMaster University

#### **Regrets:**

Juby Lee, Environment Hamilton  
Matt Adams, Associate Professor, Ryerson University  
Robert Clackett, Planning and Economic Development, City of Hamilton  
James Kaspersetz, Niagara Peninsula Conservation Authority  
Natalie Stacy, Ministry of the Environment and Climate Change  
Ed Cocchiarella – Citizen

Sally Radisic, Public Health, City of Hamilton  
Japteg Singh, McMaster Masters of Public Health Program  
Ken Smith, Citizen  
Peter Topalovic, Smart Commute -TDM, City of Hamilton  
Jay Carter - Evergreen  
Tiffany Singh, Planning and Economic Development, City of Hamilton  
Umme Akhtar, Health Canada  
Jonathan Bastien, Hamilton Conservation Authority  
Peter Topalovic, Smart Commute -TDM, City of Hamilton  
Christine Strupat, Planning and Economic Development, City of Hamilton  
Myles Sergeant, Trees for Hamilton  
Anna Krol, Health Canada  
Christine Borselli, Citizen  
Adriano Mena, Citizen  
Ted Mitchell, Citizen  
Barry Duffey, Ministry of the Environment and Climate Change  
Joshua Parkinson, Student, Mohawk College  
Michelle Cassar, Health Canada  
Patrick Quealey, Environment and Climate Change Canada  
Lorraine Vanderzweilt– Mohawk College  
Shivani Vigneswaran, Environment and Climate Change Canada  
Joel Konik, Hamilton Conservation Authority  
Alexandra Graham, Citizen  
Andrea McDowell, Public Health, City of Hamilton  
Matt Lawson, Public Health, City of Hamilton  
Christine Newbold, Planning, City of Hamilton  
Katie Chan, Stelco Canada  
Kirsten McCauley, Planning and Economic Development, City of Hamilton

## **1. Introductions & Welcome**

## **2. Approval of April 9, 2018 Meeting Minutes**

- Karen Logan was in attendance
- Bruce N. – federal funding specific to university/colleges
- Approved

### **Presentations:**

## **3. Proposed Community Energy Plan – Robert Clackett, City of Hamilton (15 min)**

Link to Presentation:

- Terms of Reference for CEP approved Planning Committee April 3, 2018
- CEP integrated, comprehensive, long-term plan to meet local energy needs
- July 7 2015 Planning Committee approved Motion directing staff to investigate and report back on feasibility for a CEP including but not limited

- to: renewable energy projects, appropriate planning policies; and methods and uses
- Aspects of a CEP include review of Official Plan (OP) and other federal, provincial and municipal polices such as climate action plan
  - CEP will address development pressures and growth plans. By 2041 City of Hamilton expected to grow to achieve population of 780,000
  - CEP requires multi-organizational and multi-departmental approach
  - Several other municipalities in southern Ontario have completed CEPs (also called Municipal Energy Plans): City of Burlington, City of Vaughan, City of London etc.
  - The CEP is expected to be completed within 12-18 months following the selection of a consultant/consultant team and will be occurring in three phases: Phase 1 - Confirming Baseline, Phase 2 - Finding Efficiencies, Phase 3 – Taking Action

#### Questions/Discussions:

- John L. – Asking if able to learn from existing municipal CEP
  - Rob C. – Absolutely many municipalities have already completed CEP and we will be researching their examples
- Karen L. – How closely working with Mohawk College Bay Area Climate Change Office
  - Rob C. – Will be developing steering committee with potential stakeholders
  - Trevor I. – Hamilton staff who have been involved with Mohawk have also been involved with CEP Terms of Reference review.

#### **4. Aeolos McMaster Presentation – Chris Daikopoulos, Mauricio Garzon, Alexandra Brodka, McMaster University W. Booth School of Engineering Practice and Technology (20 minutes)**

Link to Presentation:

- Group of Master's students from W. Booth School of Engineering Practice and Technology have developed air purification prototype for vehicles
- Research shows 25,000 children in the Hamilton area each day take the bus, spending up to 70 minutes per trip and are exposed to Nitrogen oxides, Carbon oxides and Volatile Organic Compounds
- These pollutants have both short and long term impacts on human health and the environment

- Students conducted phone interviews with some parents who stated kids not wanting to take the bus
- Research paper showing air pollutants concentrations higher than outside air
- Air purifier that utilizes photocatalytic reactions works in three stages: Phase 1 – filters out particulate matter, Phase 2 – photo catalysts reaction and, Phase 3 – final filter.
- Prototype is meant to work with existing air circulation system
- Currently writing articles to raise awareness, prototype is ready to be tested in the laboratory, searching for laboratories to conduct testing.

#### Questions/Discussions:

- Denis C. – Asking what flow rate?
  - Chris K. – Modelling using 10 cubic feet per minute (CFM)
- Dan D. – expecting 50% of VOCs, can you improve by slowing down flow rate?
  - Chris K. – literature doesn't consider flow
- Matt A. – What compounds are you considering?
  - Chris K. – VOC, BTEX, NO/NO<sub>2</sub> mixture
- Don C. – Is goal 50% reduction
  - Christ K. – yes, literature says up to 80% but wanting to be conservative
- Matt A. – majority of pollution come from sources through windows and other air gaps
  - Chris K. – agree, research paper shows NO<sub>x</sub> lower in summer but not by much
- Lynda L. – hoping the future of buses are electrification, wondering if could make prototype for personal bicyclist
  - Chris K. – at this time prototype for vehicles
- Denis C. – Thought about application for buildings?
  - Mauricio G. – currently looking at feasibility for application with buildings but yes possible.
- Andrew S. – Handle pollutants in occupational H&S through source and then pathway and this appears to be dealing with pathway. Technology is applicable
- Brian J. – See potential market for aviation.
- Trevor I. – Previously spoke had trouble with securing lab space. Any progress?
  - Chris K. – No progress, looking for contacts and any advice CAH may offer.

#### **Updates:**

## **5. Re-Establishment of the Air Quality Task Force - Trevor Imhoff (10 minutes)**

- Trevor I. – The Hamilton Airshed Modeling System (HAMS) has been completed now and it has been suggested the Air Quality Task Force (AQTF) be reconvene to update AQTF report to address actions not completed/in progress and to recommend new actions based on the results of the HAMS
- Lynda L. – Agreed that it makes sense
- Karen L. – Utilizing the results of the HAMS system to provide recommendations moving forward

## **6. Update on ArcelorMittal Dofasco Coffining Process – John Lundrigan (20 minutes)**

- Some members may have seen presentation at previous Community Liaison Committee meeting
- All steel makers must manage unplanned interruptions when dealing with hot metal.
- Potential methods include: Beaching, Pigging, Granulating, Pouring Coffins
- AMD does not want coffin, only make as much molten steel as required
- Bayfront area challenging because of high water table, emissions cause from the interaction of moisture and hot iron
- Has been a lot of emphasis on process improvement: pre-pouring had some success, not perfect
- Moving coffining process into #1 metal shop, inside can control moisture and eliminate emissions.
- Still using kiln dried slag for bedding material.
- Currently moving EAF scrap handling

### Questions/Discussion:

- Lynda L. – Asking previously but wondering about pollution control in building.
  - John L. – previous type of emission not predicted. Molten iron different process, safety of works is #1 priority.
- Brian J. – Is building open on the sides?
  - John L. – No, building is closed environment

## **7. Bike to Work Day and Other Active Transportation Updates – Dylan Ward (10 minutes)**

- May 28 is bike to work day 7:00AM – 9:00AM
- Advertising aimed at encouraging retirees to start biking
- Goal of 1000 attendees this year
- Elise leading rides all across the City

### Questions/Discussion:

- Don C. – Are you organizing workplace rides?
  - Dylan W. – yes several workplace rides scheduled to start at work and then meet at City Hall
- Denis C. – Wondering where to donate bicycle.
  - Dylan W. – New Hope Community Bikes will fix up and re-sell.

### **8. Hamilton Air Summit Postponed to September 14, 2018 –Trevor Imhoff (5 minutes)**

- Previously scheduled Air Summit has been postponed following the news the MOECC would not be able to attend.
- Provincial government in writ prior to the election
- Rescheduling summit after the election on September 14, 2018. Will be sending out invitation

### Bruce Newbold (Chair) – McMaster University

- Off to Ottawa end of May for health conference.

### Susan Chapman – Ontario Lung Association

- June 1 Lung Association Annual Golf Classic
- June 1-3 Annual Walter Gretzky Street Hockey Tournament
- See <http://lungontario.ca/you-can-help/events/> for more information

### Shelley Rogers – Office of Energy Initiatives, City of Hamilton

- Corporate energy report being released shortly. Want to see how corporate emissions are being reduced, check out report

### Lynda Lukasik – Environment Hamilton

- Starting Bicycle Air Monitoring (BAM) program, adding LED screen to air monitors
- Current advocating to have MOECC update NO<sub>2</sub> and add PM<sub>2.5</sub> standards

### Don Curry – Healthy and Safe Communities, City of Hamilton

- Group of students completed sobi presentation, interested in doing phase 2
- Looking at how to create/encourage bicycle life style, conducting online surveys

### Elise Desjardin – Friendly Streets Hamilton

- McMaster research project looking at creating modal targets for just bicycling in a short timeframe
- Transportation Master Plan (TMP) has longer term goals
- June 2 is 100 in 1 day, creating Hamonopoly biking board game where people bike to different locations
- Next Tuesday is first Friendly Streets Initiative street audit that includes air monitoring as well. Feel free to come join

Dylan Ward – TDM, City of Hamilton

- Conducting research with Kelly Scott in Public Health at 30 schools across Hamilton a looking at relation people amount of vehicles vs impermeable surface on site

Gloria Ko – McMaster University.

- Finished semester and looking for volunteer opportunities

Matthew Adams – University of Toronto Mississauga

- Setting up NO, NO<sub>2</sub>, and PM monitors around kindergarten playgrounds around GTHA for future research
- Looking for volunteers in the future to setup monitors for LRT corridor study
- Denis C. – Asking what type of NO<sub>x</sub> stations setting up?
- Matt A. – Passive air monitors

John Lundrigan – ArcelorMittal Dofasco

- AMD currently conducting research into feasibility of using biochar as replacement for coal in blast furnace

Karen Logan - HIEA

- June 12 HIEA Community Advisory Panel (CAP) meeting, Environment and Climate Change Canada (ECCC) staff coming to present on Randal Reef.

Dan Dobrin - MOECC

- Provincial Election June 7, writ drops on May 9
- PM<sub>2.5</sub> and PM<sub>10</sub> combined air monitoring stations ordered
- Trevor I. – asking how many planned for Hamilton
- Dan D. – 4 overall slated for Hamilton
- Environmental Monitoring & Reporting Branch (EMRB) relocating Hamilton Mountain AQHI air pointer station

Brian Jantzi - Citizen

- Lake Michigan Air Directors Consortium as new Executive Director
- Discussing early warning notification similar to Sarnia-Lampton, they liked that idea
- Rob Kaleel rebooting harbor emissions. Boatnerd.ca good resource identifying all ships in Hamilton
- Recommends inviting Transport Canada to joining group
- Trevor I. – one contact no longer works for Transport Canada, email sent to other but will follow up

**Action Items:**

**Next meeting**

**June 11, 2018**

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

**City Hall Room 192/193**