

UPWIND // DOWNWIND

2014



BUILT FORM - FOUNDATION FOR CLEANER AIR

FEBRUARY 24, 2014
HAMILTON, ONTARIO

PRESENTED BY

WWW.CLEANAIR.HAMILTON.CA



UPWIND



DOWNWIND

CONFERENCE | 2014

Built Form–Foundation for Cleaner Air

February 23 & 24, 2014



Hamilton

WISH TO THANK:



Hamilton
Public Health Services



- The 2014 Upwind Downwind Conference Planning Committee:*
Brian Montgomery (City of Hamilton) • Peter Topalovic (City of Hamilton)
• Sally Radisic (City of Hamilton) • Denis Corr (Corr Research)
• Mark Smithson (Ministry of the Environment) • Deirdre Connell (Green Venture)
• George McKibbon (McKibbon Wakefield Inc.)
• Karen Logan (Hamilton Industrial Environmental Association)
• Jamie McHardy (LURA) • Mark van de Woerd (AECOM)

We would also like to thank:

Sheraton Hotel • Art Gallery of Hamilton • Sound Box • Strategic Interchange
• Mixed Media • Minuteman Press

Special thanks to our Volunteers, Brodie Vissers for graphic design and Brian Montgomery – Conference Co-ordinator.

UPWIND



DOWNWIND
CONFERENCE | 2014

Built Form–Foundation for Cleaner Air
February 23 & 24, 2014

MONDAY, FEBRUARY 24, 2012

Sheraton Hotel – 2nd Floor

8:00 AM

REGISTRATION & WELCOME HOSTED BY: CLEAN AIR HAMILTON
Concourse, Centre & East Ballroom – 2nd Floor



8:30 AM

WELCOME BY

BRIAN MONTGOMERY, CLEAN AIR HAMILTON
DR. ELIZABETH RICHARDSON, HAMILTON PUBLIC HEALTH SERVICES
GERRY DAVIS, HAMILTON PUBLIC WORKS

MORNING THEME

BUILT FORM, HEALTH, TRANSPORTATION, COMMUNITY
2nd Floor Center & East Ballroom

9:00 AM

**INTEGRATING HEALTH, LAND USE PLANNING AND
TRANSPORTATION**



Dr. Karen Lee, MD, MHSc, FRCPC Adjunct Professor, Schools of Public Health,
University of Toronto and University of Alberta; Director of Built Environment
and Active Design, New York City Department of Health and Mental Hygiene
(www.nyc.gov/adg)

10:30 AM

BREAK & NETWORK
Concourse and Foyer – 2nd Floor



PLEASE VISIT OUR EXHIBITORS

UPWIND



DOWNWIND

CONFERENCE | 2014

Built Form-Foundation for Cleaner Air

February 23 & 24, 2014

11:00 AM

CITIES & CITIZENS: HOW TACTICAL URBANISM IS CHANGING THE NORTH AMERICAN CITY

Mike Lydon, CNU-A The Street Plans Collaborative, author *The Open Streets Project* and *Tactical Urbanism: Short-Term Action, Long-Term Change Vol. 1 and Vol. 2.* and co-author *The Smart Growth Manual (2009)*
(http://www.streetplans.org/leadership_mike_lydon.php)

12:00 PM

LUNCH & NETWORK HOSTED BY: CLEAN AIR HAMILTON
2nd Floor Center & East Ballroom



PLEASE VISIT OUR EXHIBITORS

AFTERNOON THEMES

CHOICE OF PLENARY SESSIONS

A

**AIR QUALITY MANGEMENT
& PLANNING**

2nd Floor Center & East
Ballroom

(Speakers and Panel)

B

**TRANSPORTATION &
COMPLETE STREETS**

2nd Floor West & South
Ballroom

(Workshop)

1:00 PM

Dr. Paolo Zannetti

A COST-BENEFIT OPTIMIZATION
APPROACH TO AIR QUALITY
MANAGEMENT

1:00 PM

Panel of Speakers

WHAT IS HAPPENING IN
HAMILTON?

2:30 PM

A Municipal Panel

PLANNING WITH CLIMATE
CHANGE & SUSTAINABILITY

2:30 PM

Norma Moores

COMPLETE STREETS
IMPLEMENTATION WORKSHOP

UPWIND



DOWNWIND
CONFERENCE | 2014

Built Form–Foundation for Cleaner Air
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2014 Conference Exhibitors



HAMILTON
INDUSTRIAL
ENVIRONMENTAL
ASSOCIATION



CONSULTING ENGINEERS
& SCIENTISTS



environmental planning
McKibbin Wakefield Inc.



Health
Canada

Santé
Canada





AFTERNOON SESSION / A

AIR QUALITY MANAGEMENT & PLANNING

2nd Floor Center & East Ballroom

1:00 PM

A COST-BENEFIT OPTIMIZATION APPROACH TO AIR QUALITY MANAGEMENT



Dr. Paolo Zannetti, QEP, The EnviroComp Institute

Dr. Paolo Zannetti is the President and Founder of EnviroComp Consulting, Inc. (www.envirocomp.com) and the non-profit EnviroComp Institute (www.envirocomp.org). He has performed studies and scientific research in environmental sciences for more than 40 years throughout the world. His activities have covered pure research in the fields of atmospheric diffusion and numerical computation, written publications, seminars and courses, project management, environmental consulting, editorial productions, and expert testimony. His major field of investigation and competence is air pollution. He has written more than 300 publications, including the first comprehensive textbook on Air Pollution Modeling, which was published in 1990. He recently produced a multi-volume, multi-author, revised and expanded edition of this book (www.envirocomp.org/aqm).

AFTERNOON SESSION / B

TRANSPORTATION & COMPLETE STREETS

2nd Floor West & South Ballroom

1:00 PM

WHAT IS HAPPENING IN HAMILTON?

A panel of speakers focussing on the experience of Hamilton with complete streets and other transportation initiatives

Hamilton has begun to explore Complete Streets – streets designed for all road users including pedestrians, cyclists, transit users and auto-drivers. Transportation emissions have a large impact on local air quality and Complete Streets designs can have a significant positive impact. This concurrent session will present successful case examples on how to develop Complete Streets in Hamilton from Policy to Implementation.

Norma Moores - A Senior Transportation Engineer at IBI Group. Ms. Moores was involved in the Transportation Association of Canada's original Bikeway Traffic Control Guidelines for Canada (1998). Ms. Moores is currently leading TAC's project on a Synthesis of Practices for Active Transportation in Canada.



She recently completed the Cape Breton Regional Municipality Active Transportation Plan, Cambridge Bikeway Network Plan and contributed to Ottawa's Pedestrian Plan. Ms. Moores is on the Board of Directors for the Association of Pedestrian and Bicycle Professionals (APBP) and a fellow of the Institute of Transportation Engineers (ITE).

Peter Topalovic - City of Hamilton - Peter is Project Manager – Transportation Demand Management and the Program Manager of Smart Commute Hamilton and currently works in the Mobility Programs and Special Projects section of the City of Hamilton. He works with regional partners to operate the Smart Commute program and is the chair of the Greater Toronto and Hamilton Area TDM Coordinating Committee. Peter is also involved with Open Streets Hamilton as a founding partner. He oversees the implementation of a wide range of programs, policy implementation and infrastructure projects to promote active and sustainable modes of transportation, bike sharing, carsharing and carpooling.

Steve Molloy - City of Hamilton - Steve is Project Manager - Transportation Management Plan Implementation. Steve worked on The Step Forward: Hamilton's Pedestrian Mobility Master Plan which won a 2013 Excellence in Planning Award from the Ontario Professional Planning Institute for Healthy Communities. "Step Forward establishes a 20-year framework to improve the pedestrian environment. The Plan achieves this goal by embedding a decision process, "routine accommodation" into municipal capitol and infrastructure renewal projects. Steve has over 10 years of experience as a transportation planner, previously to joining the City of Hamilton he worked on planning projects with iTRANS Consulting and MMM Group.

Sara Mayo - Sara is a Social Planner with a concentration in Geographic Information Systems. She specializes in making data accessible and useful for social change, especially through visualization and mapping. Sara contributes to many partnership tables and collaboratives. She is a member of the Hamilton Community Foundation's Vital Signs Advisory Committee and the City of Hamilton's Neighbourhood Development Evaluation committee. Beyond Hamilton, Sara was chair of the capacity building working group for the Canadian Council on Social Development's Community Data Consortium in 2011. This body assists municipalities and community organizations in over 20 communities across Canada to access neighbourhood-level social and economic data from a variety of sources. At both a professional and personal level, Sara is an advocate of public transit and cycling. She is a member of Hamilton CarShare co-operative and enjoys bike riding with her family.

Justin Jones - Justin lead the successful community Yes We Cannon campaign that petition City Council to improve cyclist and pedestrian safety in the lower city of Hamilton to create a bi-directional bike lane, running the full length of Cannon Street, by 2015. (<http://walkablehamilton.org/cannon>). Started in May 2013, the Yes We Cannon campaign had over 2,300 signatures and resulted in approval from Council for a pilot project in September 2013. Justin is a Program Manager with the Share the Road Cycling Coalition where he is developing and delivering the Ride and Drive with Care Program across Ontario. The Ride and

Drive with Care pledge is aimed at creating a healthy dialogue between cyclists and drivers from a young age. Justin is passionate about creating more sustainable, better connected communities through initiatives such as complete streets and the active transportation movement.

2:00 PM**BREAK & NETWORK**

Concourse & Foyer - 2nd Floor

**PLEASE VISIT OUR EXHIBITORS****AFTERNOON SESSION / A**
AIR QUALITY MANAGEMENT & PLANNING
2nd Floor Center & East Ballroom**2:30** PM**PLANNING WITH CLIMATE CHANGE & SUSTAINABILITY**

A panel of Ontario municipalities focused on experiences with integrating climate change and sustainability into municipal planning. The challenges, the benefits, lessons learnt and progress.

Integrating Climate Change Adaptation into Ajax's Official Plan
Stev Andis MCIP, RPP, Senior Policy Planner, Town of Ajax

Stev Andis is a Senior Policy Planner with the Town of Ajax, Ontario. Her responsibilities include researching and analyzing environmental/sustainability policy developed by Provincial, Regional and municipal governments; non-governmental organizations; and academia. Stev develops discussion papers, research reports, official plan policies, zoning provisions, and makes recommendations to Council to provide direction on various matters including climate change, renewable energy, water quality, air quality and natural heritage. Prior to working with the Town of Ajax, Stev was a Community Planner with the Ontario Ministry of Municipal Affairs and Housing.

**Integrating sustainability metrics into the municipal planning process**

Tony Iacobelli, MSc, MCIP, RPP, Senior Environmental Planner, City of Vaughan

Tony Iacobelli is Senior Planner (Environment) at the City of Vaughan starting in 2008. Tony's current projects at the City include the Natural Heritage Network Study and developing sustainability performance metrics for use in the review of development applications, in collaboration with the City of Brampton and Town of Richmond Hill. Tony is on the Board of Directors of the Greater Toronto Area Chapter of the Canada Green Building Council and is currently on advisory teams for ICLEI Canada's *Urban Biodiversity Guidebook* and Ontario Nature's *Best Practices Guide to Natural Heritage System Planning in Ontario*.

Michelle Dobbie, BES, MLA, MCIP, RPP, City of Richmond Hill

Michelle Dobbie is Senior Planner (Policy) within the Planning and Regulatory Services Department at the Town of Richmond Hill. Her university background is in planning and landscape architecture. Since joining the Town of Richmond Hill, Michelle has been an integral part of the formulation and drafting of Richmond Hill's new Official Plan – *Building s New Kind of Urban*, which emphasizes sustainability and placemaking as key components of its vision. More recently, Michelle lead the preparation of the Town-wide Urban Design Guidelines and continues to lead the implementation and monitoring of the inter-municipal Sustainability Metrics developed with the City of Brampton and the City of Vaughan.

Community Climate Adaptation Planning – Durham Region's Emergent Approach

Brian Kelly, Durham, Region

Brian Kelly is currently the Manager of Sustainability for the Region of Durham, where he was previously the Interim Advisor for Climate Change. Brian serves as staff support to the Durham Region Roundtable on Climate Change and manages Durham's community climate programs. Prior to this role with Durham Region, he was the founding Director of the Sustainable Enterprise Academy, YorkUniversity, an executive education program based at the Schulich School of Business, where he also taught Business Strategies for Sustainability in the MBA program.

**AFTERNOON SESSION / B****TRANSPORTATION & COMPLETE STREETS**

2nd Floor West & South Ballroom

2:30 PM**COMPLETE STREETS IMPLEMENTATION WORKSHOP**

Attendees will participate in a transportation action workshop to move complete streets from theory to implementation.

Norma Moores - A Senior Transportation Engineer at IBI Group. Ms. Moores was involved in the Transportation Association of Canada's original Bikeway Traffic Control Guidelines for Canada (1998). Ms. Moores is currently leading TAC's project on a Synthesis of Practices for Active Transportation in Canada. She recently completed the Cape Breton Regional Municipality Active Transportation Plan, Cambridge Bikeway Network Plan and contributed to Ottawa's Pedestrian Plan. Ms. Moores is on the Board of Directors for the Association of Pedestrian and Bicycle Professionals (APBP) and a fellow of the Institute of Transportation Engineers (ITE).

4:00 PM**CLOSING**

2nd Floor Center & East Ballroom



Closing / What have we learnt about built form, health, air quality, climate change and transportation needs today? What can we do better?

Dr. Karen Lee, MD, MHSc, FRCPC Adjunct Professor, Schools of Public Health, University of Toronto and University of Alberta; Director of Built Environment and Active Design, New York City Department of Health and Mental Hygiene (www.nyc.gov/adg)

4:30 PM**FAREWELL & WRAP UP****HAVE A SAFE AND SUSTAINABLE TRIP HOME**



The City of Hamilton, Clean Air Hamilton, and the UPWIND DOWNWIND Planning Committee hope you enjoyed your visit to Hamilton and the 2014 UPWIND DOWNWIND CONFERENCE.

Copies of the presentations at the Conference will be made available on the Clean Air Hamilton website:

www.cleanair.hamilton.ca

Thank you for your attendance, your interest and support to research and action on improving health, transportation, planning, our air and combating climate change.

Please take the time to provide comments attached or on-line at:

<https://www.surveymonkey.com/s/8Q8RCR9>

Hamilton Sustainability Professionals Network Post Conference Networking Event

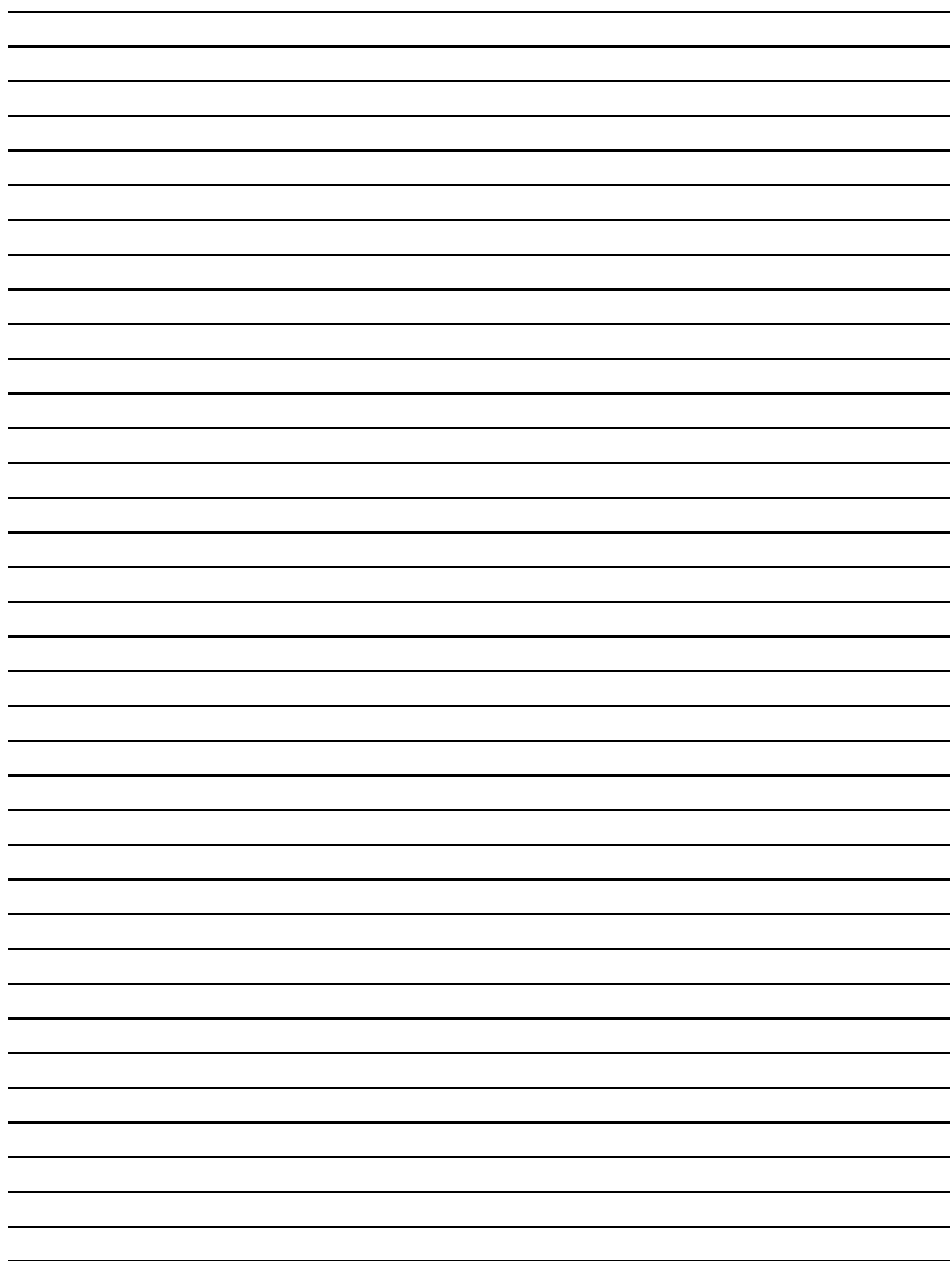
Come to The George for dinner and drinks and to continue the conversation generated at the Upwind-Downwind Conference. The Hamilton Sustainability Professionals Network invites you to connect further with fellow conference attendees as well as other members of the Hamilton sustainability community.

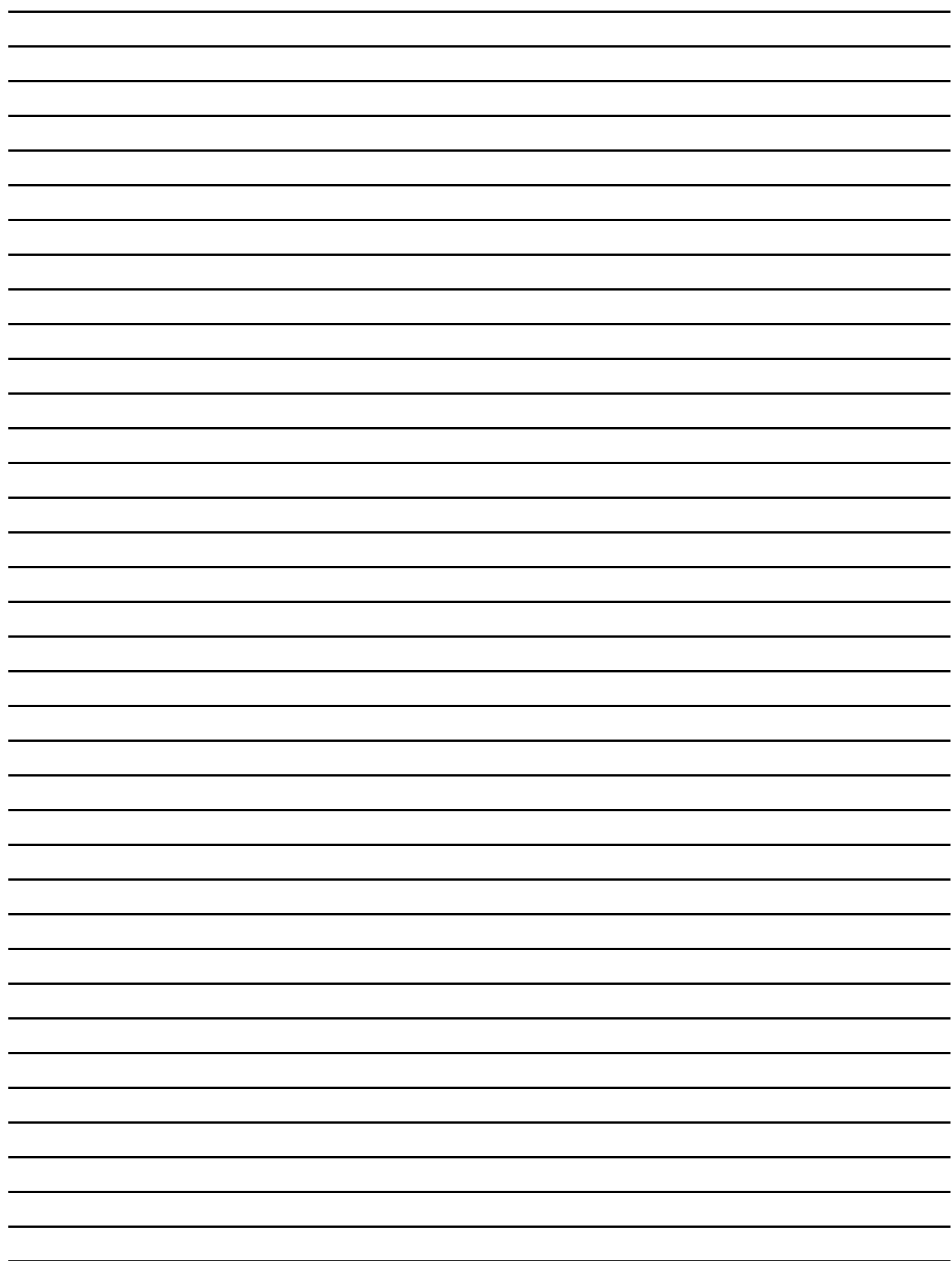
**The George Hamilton Restaurant and Bar
152 King Street West, Corner of King and
Bay**

Networking begins at 4:30pm
Speaker at 6:30pm

Hope to see you there!

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CONFERENCE EVALUATION

We would like to hear your thoughts on the Conference

1. What brought you to the 2014 UPWIND DOWNWIND CONFERENCE?
(please check *all* that apply)

- ☐ Conference sessions
- ☐ Keynote speaker
- ☐ Attended previous Upwind Conference(s)
- ☐ Theme/Sessions related to your work
- ☐ Personal interest
- ☐ Networking
- ☐ Other Please specify:

2. How did you hear about the 2014 UPWIND DOWNWIND CONFERENCE?
(please check *all* that apply)

- ☐ Clean Air Hamilton website
- ☐ Ontario Professional Planners Institute
- ☐ McMaster University website
- ☐ Mohawk College website
- ☐ Network contacts
- ☐ Posters
- ☐ E-mail
- ☐ Newspaper advertisement
- ☐ Word of mouth
- ☐ Other Please specify:

3. What themes, exhibitors, speakers or types of sessions would you like to see at a future Upwind Downwind conference?

4. Did you attend the Sunday afternoon presentation? Yes ☐ No ☐

5. The conference met my needs/expectations. Yes ☐ No ☐

If you answered no, what improvements could be made?

6. Information gained from this conference will be useful to my work or interest.

- ☐ Not useful at all
- ☐ Somewhat useful
- ☐ Very useful

7. Please rate your overall satisfaction with the conference.

- ☐ Not satisfied at all
- ☐ Somewhat satisfied
- ☐ Very satisfied

Thank you for attending the UPWIND DOWNWIND CONFERENCE 2014
Please submit this completed Evaluation to Registration Desk at the Concourse
Or complete the Evaluation online: <https://www.surveymonkey.com/s/8Q8RCR9>