

UPWIND DOWNWIND:

A Practical Conference on
Improving Air Quality

February 25 and 26, 2002
Sheraton Hotel, Hamilton, Ontario

Human Health and Air Quality
Urban Planning for Healthy Cities
Green Building Designs
Energy Alternatives
Low Emission Vehicles
Community Partnerships



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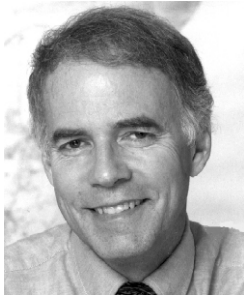


Russell Perry

Building Designs for Sustainability

Russell Perry is a managing partner with William McDonough and Partners, Architecture and Community Design, a firm that believes in maximizing design effectiveness by incorporating the elegance of natural systems. William McDonough, the author of *The Hannover Principles / Design for Sustainability* leads the firm. The regeneration of Ford's historic River Rouge plant in Dearborn, Michigan; a mixed-use project and a residential development in Banff, Alberta; and a private school master plan in Toronto, Ontario are but a few of the firm's current projects.

Perry, with over twenty years of professional management and design experience with complex architectural projects, has been recognized with numerous awards, including a national American Institute of Architects design award in 2000 and a Federal Design Achievement Award in 1995. Perry will speak on "eco-effective" design principles and their applications in products, buildings, communities and cities, in particular, Chicago, Illinois.



Reid Ewing

Best Planning Practices for Air Quality

Reid Ewing is the author of *Best Development Practices*, the American Planning Association's top selling book for three consecutive years; *Traffic Calming: State of the Practice*, the Institute of Transportation Engineers' projected top selling book based on first-year sales; *Pedestrian and Transit-Friendly Design* (Florida Department of Transportation), and *Context-Sensitive Design Standards for Main Streets* (New Jersey Department of Transportation). He has written numerous articles on growth management, community design, and traffic management, and speaks and consults widely on these subjects.

Ewing, a former Arizona state legislator and former Congressional staff director, is a Research Professor at Rutgers University and a Research Director of the Surface Transportation Policy Project in Washington, D.C., the recognized U.S. leader in transportation reform. Ewing is also Acting Director of the Alan M. Voorhees Transportation Center at Rutgers University, and oversees the National Transit Institute and Transportation Policy Institute. Ewing holds Master Degrees in Engineering and City Planning from Harvard University and a Ph.D. in Transportation Systems and Urban Planning from Massachusetts Institute of Technology.

Human Health Perspectives

A focus on recent research and strategies to identify and evaluate information about health and environmental effects, sources of pollutants and projections of future trends in emissions. Hear the latest on air quality related health issues and how they influence public policies, planning practices and local improvement initiatives.

Urban Planning for Healthy Cities

The quality of air can be impacted significantly by the way in which land is used and developed. Hear how planners have introduced new sustainable strategies to address air quality in transportation and land use planning. See how an air shed modeling exercise can help plan for healthier cities.

Green Building Design

A look at "big picture" concepts of energy usage by medium and large sized buildings. Find out how employing green building principles can reduce energy usage and emissions to air.

Environmental Management

Find out how the Ontario government is implementing its new vision for managing the environment.

Energy Efficiency

Discover innovative pilot projects to improve energy efficiency and reduce air emissions, such as, Wind Farms, Eco-Efficient Homes and District Energy.

Low Emission Vehicles

Hear about trends in cleaner fuels, the growing "alternative fuel vehicles" industry in the US and Ontario's vehicle emissions testing program results.

Community Partnerships

Improve air quality beyond individual commitments. Learn how communities have benefited from coalitions and networking.

**Planning for Human Health and Air Quality
February 25, 2002**

- 7:30 am Sign in with Continental Breakfast**
- 8:30 am Welcoming Remarks by Mayor Robert E. Wade
Special Address by the Honourable Minister
Elizabeth Witmer**
- 9:00 am Building Designs for Sustainability**
Russell Perry, William McDonough and Partners
- 9:45 am Human Health Perspectives on Air Quality**
The Health Science behind Canada-wide Standards
for Particulate Matter and Ozone
Barry Jessiman, Health Canada
The Ontario Air Quality Index: Truth in Labelling?
Dr. David Pengelly, McMaster Institute of Environment and
Health
- 10:45 am Refreshments / Exhibits / Network**
- 11:15 am Local Air Quality Improvement Initiatives**
Clean Air Hamilton
Dr. Brian McCarry, McMaster University
Performance Measures for Buffalo-Niagara Region
Barry Boyer, Buffalo-Niagara Institute for Local
Governance & Regional Growth
- 12:15 pm Lunch / Exhibits / Network**
- 1:30 pm Community Design and Traffic Management**
Reid Ewing, Rutgers University
- 2:00 pm Green Urban Design–New, Practical Concepts**
Sector Development in Sustainable Transportation
Sue Zielinski, Moving the Economy
Building Design Concepts
Joanne McCallum, McCallum Sather Architects Inc.
How Green Engineering Improves Air Quality
Mark Mitchell, Keen Engineering Co. Ltd.
- 3:00 pm Refreshments / Exhibits / Networking**
- 3:30 pm Green Urban Design–New, Practical Concepts**
(Continued)
Air Quality and Sprawl
Christopher Morgan, City of Toronto
Regional Air Quality Modeling for Southern Ontario
Mike Lepage, Rowan Williams Davies & Irwin Inc.
- 4:15 pm Growth Management**
Reid Ewing, Rutgers University
- 4:45 pm Closing Remarks**
- 5:30 pm Reception**

**Tools & Best Practices
February 26, 2002**

- 8:00 am Opening Address**
- 8:15 am Environmental Management Initiatives**
Daniel Cayon, Ontario Ministry of Environment
- 8:45 am Renewable Energy**
Green Venture Self Sufficient House
Fred Eisenberger
Ontario Power Generation Windfarms
Murray Paterson
Toronto Renewable Energy Coop
Bryan Young
Hamilton District Energy Project
Don Marsales
- 10:15 am Refreshments / Exhibits / Network**
- 10:45 am Local Transportation Practices**
New Trends in Vehicle Emissions
Dean Saito, California Bureau of Automotive Repair
Vehicle Emissions Testing in Ontario
Ed Gill, Ontario Ministry of Environment
Normal Use Vehicle Program
Denis Corr, Ontario Ministry of Environment
Clean Fuels for Cleaner Cities
Isabell Berger, Erie County
- 12:00 pm Lunch / Exhibits / Network**
- 1:00 pm Partnerships and Continuous Networking:
The New Way**
State and Territorial Air Pollution Program
Administrators
Association of Local Air Pollution Control
Officials*
- 1:30 pm Where do we go from here?**
Southern Ontario Clean Airshed Network
Sonya Kapusin
Ontario Clean Air Alliance
Jack Gibbons
Toronto Environment Alliance
Keith Stewart
Citizens Environment Alliance
Derek Coronado
- 2:00 pm Open Floor Panel**
- 3:00 pm Conference Evaluation and Final Address**

*Invited

Organizers reserve the right to change the program at any time.
Speakers are confirmed daily. Please call (905) 643-1262 Ext. 275 for the current agenda,
email: haqic@city.hamilton.on.ca or check the website at www.airquality.hamilton.on.ca

Who Should Attend?

Anyone who is interested in practical solutions for improving a community's air quality should attend this conference. The 2002 conference agenda is particularly designed for:

Architects, Engineers and Urban Designers
Elected Officials
Environmental & Community Citizen Groups
Environmental Managers and Project Leaders
Fleet Managers
Health Officials and Promoters
Land Use Planners
Landscape Architects
Policy Makers
Researchers and Scientists
Students

Why attend this conference?

To share and promote ideas, best practices and commitments for achieving cleaner air

To hear what other concerned parties from across the continent are doing to improve air quality in the areas of planning, architecture, energy management and transportation

To learn about health-related air quality research and its implication on policy development

How to Register

Fill out the "Participant Registration Form" and mail along with cheque payable to "City of Hamilton" to Clean Air Hamilton c/o City of Hamilton, 71 Main Street West, Hamilton, Ontario, L8P 4Y5

For conference updates and additional registration forms, call (905) 643-1262 Ext. 275 or visit the Clean Air Hamilton website at www.airquality.hamilton.on.ca

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