



Alliance for Resilient Cities – 2008 Planning

Eva Ligeti, Executive Director
Clean Air Partnership
ARC Webinar #2 January 15, 2008
www.cleanairpartnership.org



Participating Organizations



| | |
|---|----|
| Local & Regional Governments (from Alberta, BC, Manitoba, Newfoundland, Nova Scotia, Ontario, Quebec & Yukon) | 40 |
| Municipal Associations (AMO & FCM) | 2 |
| Provincial Ministries (BC & Ontario) | 3 |
| Federal Departments (Health Canada & NRCAN) | 2 |
| Research Organizations/Universities | 4 |
| Businesses & Business Associations | 2 |
| Other | 2 |

Registered Participants



| Organization | Participant | Organization | Participant |
|--|---------------------|-----------------------|------------------|
| Association of Municipalities of Ontario | Craig Reid | City of Oshawa | Suzanne Elton |
| BC Ministry of Environment | Jenny Fraser | City of Ottawa | Various |
| Cement Association of Canada | Wayne Dawson | City of Prince George | Various |
| Center for Clean Air Policy | Various | City of Richmond | Neil Chura |
| City of Abbotsford | Peter Andzans | City of Saint John's | Geraldine King |
| City of Brandon | Tom Keep | City of Thunder Bay | Sarah Kerton |
| City of Burlington | Fleur Storace-Hogan | City of Toronto | Various |
| City of Coquitlam | Dorit Mason | City of Vancouver | Various |
| City of Edmonton | Mark Brostrom | City of Vaughan | Rebekah McGurran |
| City of Hamilton | Brian Montgomery | City of Waterloo | Karen Moyer |
| City of Kamloops | Andrea Pickard | City of Whitehorse | Sabine Schweiger |
| City of London | Various | Columbia Basin Trust | Michelle Laurie |
| City of Mississauga | Andrea McLeod | Corporation of Delta | Various |
| City of Nanaimo | Rob Lawrence | Dillon Consulting | Rob Young |

Registered Participants



| Organization | Participant | Organization | Participant |
|---|-----------------|---------------------------------------|---------------------|
| District of Saanich | Russ Fuoco | Port Alberni climate change Committee | Various |
| Enbridge | Various | Regional District of Central Okanagan | Leah Hartley |
| Federation of Canadian Municipalities | Devin Causley | Regional Municipality of Niagara | Curt Benson |
| Fraser Valley Regional District | Bob Smith | Simon Fraser University | Apollonia Cifarelli |
| Halifax Regional Municipality | Stephen King | Surrey Fire Survey | Dan Barnscher |
| Health Canada | Various | The Regional Municipality of Durham | Nestor Chornobay |
| Inst. for Catastrophic Loss Reduction | Dan Sandink | Toronto and Region Conservation | Various |
| Metro Vancouver | Brent Burton | Toronto Public Health | Stephanie Gower |
| Ministry of Public Infrastructure Renewal | Matthew Routley | Town of Ajax | Various |
| Mirarco (City of Greater Sudbury) | Al Douglas | Town of the Blue Mountains | Paul Graham |
| Municipality of Clarington | Lisa Backus | Town of Oakville | Various |
| Natural Resources Canada | Various | Township of King | Various |
| Ontario Ministry of the Environment | Susan Howard | University of Toronto | Blake Poland |
| Ontario Trillium Foundation | Maja Jankovic | Ville de Montreal | Herve Loge |
| Peel Public Health | Various | York Region Comm. & Health Services | Joe La Marca |

Welcome New ARC Participants



| | |
|-------------------------------------|--------------------------------------|
| Assoc. of Municipalities of Ontario | City of Whitehorse |
| City of Abbotsford | Corporation of Delta |
| City of Brandon | District of Saanich |
| City of Edmonton | Fed. Of Canadian Municipalities |
| City of Kamloops | Halifax Regional Municipality |
| City of Nanaimo | Inst. of Catastrophic Loss Reduction |
| City of Prince George | Ontario Min. Public Infrast. Renewal |
| City of Richmond | Mirarco (City of Sudbury) |
| City of St. John's | Municipality of Clarington |
| City of Surrey | Regional Municipality of Niagara |
| City of Thunder Bay | Town of The Blue Mountains |
| City of Waterloo | York Region |

IPCC 2007: Impacts, Adaptation and Vulnerability



- Impacts of climate change will vary by:
 - Rate of temperature rise
 - Adaptive measures put in place
 - Socio-economic status of impacted groups
- We *can* develop a portfolio of measures to diminish the risks of climate change



ARC Goals



- Collaborative network for Canadian cities
- Dialogue among urban decision makers on climate change impacts and adaptation strategies
- Access to information & tools from climate change & adaptation experts
- Development of robust & replicable adaptation strategies

The Role of the Clean Air Partnership



- Convene ARC, manage webinars, recruit speakers & communicate the latest developments and strategies
- Respond to member requests
- Provide one on one consultations



Part of a Growing Worldwide Network



| | |
|--|---|
| Urban Climate Change Research Network | Climate Canada Atlantic and ClimAdapt |
| United Kingdom Climate Impacts Program | Consortium Ouranos (Quebec) |
| London & East of England Climate Change Partnerships | North-South Climate Change Network (Ontario) |
| Urban Leaders Initiative (US) | Prairie Adaptation Research Collaborative |
| ICLEI (Canada & US) | Public Infrastructure Engineering Vulnerability Committee |

Webinars to date:



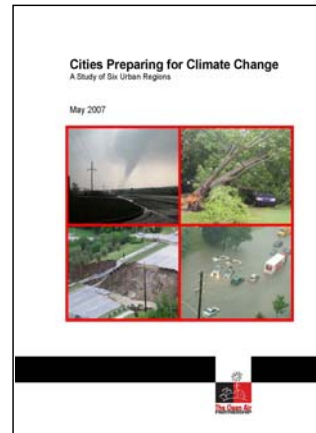
- Nov. 27, 2007:
Developing an Urban Adaptation Strategy with **Alex Nickson**, Greater London Authority
- Jan. 15, 2008:
Assessing the Vulnerability of Your Community to Climate Change with **Elizabeth Willmott**, King County, Washington; **Stephen King**, Halifax Regional Municipality, and **Rob Young**, Consulting



Topics of Interest For Upcoming Webinars



- Getting organized to adapt
- Assessing community vulnerability to climate change
- Adaptation options and strategies
- Infrastructure impacts
- Economic impacts



Technical Topics of Interest



- Vulnerable populations
- Health impacts & adaptation
- Intense precipitation & flooding
- Water shortages & drought
- Storms and wind speeds
- Impacts on urban ecosystems
- Heat



Suggested Schedule for 2008



Third Tuesday, every second month

- **March 18, 2008 – Climate Change & Urban Flooding: Challenges & Solutions**
- **May 20, 2008 – Protecting Urban Infrastructure from Climate Change: the PIEVC Project**
- **July 15, 2008 – Estimating the Costs of Climate Impacts for Canadian Towns & Cities**
- **September 16, 2008 – Health & Climate Change: Assessing the Risks & Preparing the Response**
- **November 23, 2008 – The Challenge of Climate Change for Water Supply**

Beyond the Webinars:



As membership increases and needs are identified, ARC activities will expand to include:

- Case studies of adaptation
- Reviews of best practices
- Guides for adaptation in specific sectors
- Model Council resolutions, policies, by-laws
- Regional & national workshops & conferences



Joining ARC: Membership Fees



| <i>For Fiscal Year 2008</i> | |
|--|--------|
| Regional Governments | \$4000 |
| Municipalities > 1 million | \$4000 |
| Municipalities 500,000 – 1 million | \$3000 |
| Municipalities 250,000 – 500,000 | \$2500 |
| Municipalities 100,000 – 250,000 | \$2000 |
| Municipalities 50,000 – 100,000 | \$1500 |
| Municipalities < 50,000 | \$1000 |
| Industry Associations & Professional Organizations | TBD |



Today's Presentations: Assessing the Vulnerability of Your Community to Climate Change



Elizabeth Willmott, Global Warming Coordinator, King County, Washington

- King County has been a leader in tackling climate change adaptation in the US. Elizabeth recently co-authored a guide for local governments on preparing for climate change, based largely on the King County experience.

Stephen King, Manager, Environmental Management Services, HRM; **Rob Young**, Dillon Consulting

- Halifax was the first Canadian city to undertake a comprehensive investigation of how climate change is likely to affect HRM

The speakers will explain how they went about this study, and how it has shaped subsequent programs in Halifax Regional Municipality and the Maritimes.

