

# North Central BC Clean Air Forum

2013

March 6-7, 2013

Prince George Civic  
Centre

808 Civic Plaza

Prince George, BC



## **Clean Air Forum Planning Committee**

Barb Oke, Northern Health

Dennis Fudge, Ministry of Environment

Gail Millar, Ministry of Environment

Sherry MacIntyre, Prince George Chamber of Commerce

Daniela Fisher, Public Member

Terry Robert, Prince George Air Improvement Roundtable

Laurel Brown, Fraser Basin Council

Dan Veller, Public Member

Tiina Watt, City of Prince George

Kenna Jonkman, Regional District of Fraser Fort George

Dr. Marie Hay, Peoples Action Committee for Healthy Air

Carrie Comack, Columbia Bitulithic

Tiffany Bonnett, Prince George Air Improvement Roundtable

## **Forum Goal**

To provide an opportunity for workshop participants to discuss the relationship between air quality and their communities' economic, social, and environmental vision for the future.

## **Target Audience**

Air quality managers from communities in North Central BC, as well as researchers, health professionals, educators, and representatives from the industrial, commercial, transportation, and public sectors.

# Program-at-a-glance

## **Main Session Day 1 – March 6, 2013**

Registration/Networking 12:30 – 1:00 pm

Welcome and Opening Keynotes 1:00 – 2:00 pm

Session: Air Quality and Environment 2:00 – 2:45 pm

Break 2:45 – 3:00 pm

Session: Air Quality and Economy & Session Adjournment 3:00 – 4:00 pm

## **Public Session – March 6, 2013**

Information Session & Musical Performance 6:00 - 8:00 pm

## **Main Session Day 2 – March 7, 2013**

Networking/Breakfast 8:30 – 9:30 am

Opening Remarks 9:30 - 9:45 am

Session: Exploring Solutions 9:45 – 10:45 am

Break 10:45 – 11:00 am

Session: Airshed Management 11:00 am – 12:00 pm

Lunch 12:00 – 1:00 pm

Breakout Sessions 1:00 – 2:05 pm

Breakout Session Reports and Adjournment 2:05 – 2:30 pm

## **Optional Tour: UNBC Bioenergy Plant**

*March 7, 2013 - 3:00-4:30 pm (transportation included)*

*Tour space limited. Please sign-up at the registration table.*



# Agenda

March 6	<b>Main Session</b>
12:30 pm	<b>Registration and Networking</b>
1:00 pm	<p><b>Welcome and Opening Remarks</b></p> <p><i>Jennifer McGuire, Director, Ministry of Environment</i>  <i>Shari Green, Mayor, City of Prince George</i>  <i>Terry Teegee, Tribal Chief, Carrier Sekani Tribal Council</i></p> <p><i>Emcee: Terry Robert, Executive Director, PGAIR</i></p>
1:15 pm	<p><b>Keynote Address</b></p> <p><b><i>Air Quality in the BC Boondocks</i></b>  <i>Dr. Sarah Henderson, Environmental Health Scientist, BC Centre for Disease Control</i></p> <p><b><i>Air Quality and Community Health</i></b>  <i>Dr. Robert Oliphant, President and CEO, Asthma Society of Canada</i></p> <p><b>Group Discussion</b></p> <p><i>Moderator: Barb Oke, Healthy Community Environments Lead, Northern Health</i></p>
2:00 pm	<p><b>Air Quality in North Central BC: Environmental Trends</b></p> <p><b><i>Fostering Change: The Prince George Experience</i></b>  <i>Maureen Bilawchuk, Section Head, Ministry of Environment</i></p> <p><b><i>Overview of Environmental Trends</i></b>  <i>Dennis Fudge, Air Pollution Meteorologist, Ministry of Environment</i></p> <p><b>Group Discussion</b></p> <p><i>Moderator: Terry Robert, Executive Director, PGAIR</i></p>
2:45 pm	<b>Networking Refreshment Break</b>
3:00 pm	<p><b>Air Quality in North Central BC: Economic Considerations</b></p> <p><b><i>A Community Vision for Growth: Insights for Airshed Managers</i></b>  <i>Heather Oland, Chief Executive Officer, Initiatives Prince George</i></p> <p><b>Group Discussion</b></p> <p><i>Moderator: Terry Robert, Executive Director, PGAIR</i></p>
3:45 pm	<p><b>A Coach's Perspective &amp; Session Adjournment</b></p> <p><i>Andrew Casey, Coach, Caledonia Nordic Ski Club</i>  <i>Kristina Watt, Supervisor, City of Prince George</i></p>
4:00 pm	<b>Adjournment Day 1</b>

# Agenda

March 6	<b>Public Session</b>
6:00 pm	<p><b>Opening Remarks</b>  <i>Jennifer McGuire, Director, Ministry of Environment</i>  <i>Dr. Robert Oliphant, President and CEO, Asthma Society of Canada</i></p> <p><i>Emcee: Terry Robert, Executive Director, PGAIR</i></p>
6:10 pm	<p><b>Introduction to Air Quality and Airshed Management</b>  <i>Dr. Peter Jackson, Professor, University of Northern British Columbia</i></p> <p><b>Group Discussion</b></p> <p><i>Moderator: Terry Robert, Executive Director, PGAIR</i></p>
6:35 pm	<p><b>Air Quality, Public Health, and Your Health</b>  <i>Dr. Sarah Henderson, Environmental Health Scientist, BC Centre for Disease Control</i></p> <p><b>Group Discussion</b></p> <p><i>Moderator: Terry Robert, Executive Director, PGAIR</i></p>
7:00 pm	<p><b>Industry Snapshots of Progress</b>  <i>Ed Debevc, Plant Manager, Husky Energy</i>  <i>Martin Pudlas, VP Operations, Canfor Pulp Limited Partnership</i></p> <p><b>Group Discussion</b></p> <p><i>Moderator: Terry Robert, Executive Director, PGAIR</i></p>
7:20 pm	<p><b>Roundtable and Citizen Engagement</b>  <i>Tiffany Bonnett, Coordinator, PGAIR</i>  <i>Jacqueline Dockray, Resident, City of Prince George</i></p>
7:30 pm	<p><b>Closing Remarks and Musical Performance</b>  <i>Edward Hoffman, Regional Director, Ministry of Environment</i>  <i>DISTRICT 57 Tapestry Singers</i></p>

# Agenda

March 7	<b>Main Session</b>	
8:30 am	<b>Networking/Breakfast (optional)</b> Visit the display tables, explore the electric car, and network	
9:30 am	<b>Opening Remarks</b> <i>Dr. William Osei, Medical Health Officer, Northern Health Authority</i>	
9:45 am	<b>Exploring Solutions: Industry Snapshots (5 min/talk)</b> <b>Asphalt Cement and Gravel Sector:</b> <i>Carrie Comack, Columbia Bitulithic</i> <b>Primary Wood Processors:</b> <i>Martin Meyer, Carrier Lumber</i> <b>Pulp and Paper Sector:</b> <i>Adam Lancaster, Canfor Pulp Limited Partnership</i> <b>Wood-Based Biomass Sector:</b> <i>Kevin Brown, Pacific BioEnergy</i> <b>Fossil-Fuel Refining Sector:</b> <i>Ed Debevc, Plant Manager, Husky Energy</i> <b>Group Discussion</b> <b>Moderator:</b> <i>Terry Robert, Executive Director, PGAIR</i>	
10:20 am	<b>Exploring Solutions: Community Snapshots (5 min/talk)</b> <b>BVLD – A Brief History:</b> <i>Ben Weinstein, BVLD Airshed Management Society</i> <b>Quesnel:</b> <i>Peter Walsh &amp; Tracy Bond, Quesnel Air Quality Roundtable</i> <b>Prince George:</b> <i>Sherry MacIntyre, Prince George Air Improvement Roundtable</i> <b>Williams Lake:</b> <i>Bert Groenenberg, Williams Lake Air Quality Roundtable</i> <b>Group Discussion</b> <b>Moderator:</b> <i>Barb Oke, Northern Health</i>	
10:45 am	<b>Networking Refreshment Break</b>	
11:00 am	<b>Airshed Management Tools: Modelling</b> <i>Dr. Peter Jackson, Professor, University of Northern British Columbia</i> <b>Group Discussion</b> <b>Moderator:</b> <i>Nini Long, Ministry of Transportation and Infrastructure</i>	
11:30 am	<b>Effectiveness of actions to improve air quality: Does airshed management really work?</b> <i>Dr. Michael Brauer, Professor, University of British Columbia</i> <b>Group Discussion</b> <b>Moderator:</b> <i>Nini Long, Ministry of Transportation and Infrastructure</i>	
12:00 pm	<b>Networking Lunch</b>	
1:00 pm	<b>Group A: Planning for Air Quality</b>  <b>Discussion Themes</b> <i>Urban/rural planning considerations</i> <i>Short- and long-term solutions</i>  <b>Discussion Leads</b> <i>Tiina Watt, City of Prince George</i> <i>Terry McEachen, RDFFG</i>  <b>Facilitator</b> <i>Joan Chess, Fraser Basin Council</i>	<b>Group B: Fostering Behaviour Change</b>  <b>Discussion Themes</b> <i>Community based social marketing</i> <i>Applications to non-point sources</i>  <b>Discussion Leads</b> <i>Tammy Keetch, Williams Lake Roundtable</i> <i>Tracy Bond, Quesnel Air Quality Roundtable</i> <i>Tiffany Bonnett, PGAIR</i>  <b>Facilitator</b> <i>Rebecca Freedman, Ministry of Environment</i>

# Agenda

March 7	<b>Main Session</b>	
1:25 pm	<b>Group C: Air Quality and Energy</b>  <i><b>Discussion Themes</b></i> <i>Relationships between energy production and air quality</i> <i>Meeting future demands</i> <i>Exploring future supplies</i>  <i><b>Discussion Leads</b></i> <i>Dan Veller, Fraser Plumbing and Heating</i> <i>David Claus, UNBC</i>  <i><b>Facilitator</b></i> <i>Dr. Robert Oliphant, Asthma Society of Canada</i>	<b>Group D: Transportation</b>  <i><b>Discussion Themes</b></i> <i>Off-road activities and regulations</i> <i>On-road fleet operations</i> <i>Technical and educational solutions (e.g. road dust)</i>  <i><b>Discussion Leads</b></i> <i>Ray Robb, Metro Vancouver Regional District</i> <i>MaryAnne Arcand, Carbon Offset Aggregation Cooperative</i> <i>Terry Hawkes and Scott Bone, City of Prince George</i>  <i><b>Facilitator</b></i> <i>Terry Robert, PGAIR</i>
2:05 pm	<b>Group Discussion Plenary Reports</b> <i><b>Planning for Air Quality</b></i> <i>Joan Chess, Sustainability Facilitator, Fraser Basin Council</i> <i><b>Fostering Behaviour Change</b></i> <i>Rebecca Freedman, Environmental Management Analyst, Ministry of Environment</i> <i><b>Air Quality and Energy</b></i> <i>Dan Veller, Fraser Plumbing and Heating</i> <i><b>Transportation</b></i> <i>Terry Robert, Prince George Air Improvement Roundtable</i>  <i><b>Moderator: Terry Robert, Executive Director, PGAIR</b></i>	
2:20 pm	<b>Closing Remarks</b> <i>Dr. Charles Jago, Chair, Fraser Basin Council</i> <i>Art Kaehn, Chair, Fraser Fort George Regional District</i>	
2:30 pm	<b>Adjournment</b>	
3:00 pm	<b>Optional Tour: UNBC Bioenergy Plant</b> <i>David Claus, Assistant Director – Facilities Management, UNBC</i>  <i>Space limited – Please sign up at Registration Table.</i>  <i>Transportation to UNBC: Chartered coach leaves Civic Centre at 3:05 PM and arrives at UNBC Bioenergy Plant at 3:30 PM.</i>	
4:30 pm	<b>Tour Adjournment &amp; Transport back to Civic Centre</b> <i>Transportation to Civic Centre: Chartered coach leaves UNBC Bioenergy Plant at 4:10 PM and arrives at Civic Centre at 4:30 PM.</i>	

# Faculty Profiles

## **Dr. Sarah Henderson**

Sarah Henderson is an environmental engineer turned environmental epidemiologist. Her research interests lie at any intersection between public health and environmental exposures. As part of the Environmental Health Services team at the BC Centre for Disease Control, Sarah conducts research and provides consultation on exposures relevant to British Columbians and Canadians, including radon gas, extreme heat events, and air pollution related to transportation, industry, and wildfires.

## **Dr. Robert Oliphant**

Robert Oliphant was appointed President and CEO of the Asthma Society of Canada in November, 2011. Most recently he served as the Member of Parliament for Toronto riding, Don Valley West. Rob is an ordained minister in The United Church of Canada, having worked in Newfoundland and Labrador, rural western Quebec, British Columbia, Yukon and Ontario. He chaired the national United Church Committee on Economic Justice and Social Well-Being for eight years, which included the church's direct delivery of health care and formulation of health policy. Prior to career as a minister, Rob worked as an accountant in the steel industry. He was born and raised in the resource-based city, Sault Ste. Marie, Ontario. He is an avid runner.

## **Dr. Peter Jackson**

Peter Jackson is a Professor in the Environmental Science & Engineering Programs at the University of Northern British Columbia, and is a mesoscale meteorologist whose research mostly concerns atmospheric processes in mountains valleys and coastal zones, as well as environmental applications including dispersion of atmospheric pollutants. Peter holds a BSc (1984) and PhD (1993) studying Atmospheric Science in the University of British Columbia's Geography Department. Peter has been a member of the PGAIR Research working group and its predecessors since 1995, and Chaired the Prince George Mayor's Task Force on Air Quality Improvement in 2006-07.

## **Dr. Michael Brauer**

Michael Brauer is a Professor in the School of Population and Public Health at UBC. He also directs the Bridge Program, a strategic training fellowship program linking public health, engineering and policy. Dr. Brauer received bachelor's degrees in Biochemistry and Environmental Sciences from the University of California-Berkeley (1986) and a doctorate in Environmental Health from Harvard University (1990). Dr. Brauer's research emphasis is on the assessment of exposure and health impacts of air pollution, with specific interest in transportation-related and biomass air pollution.





# Notes



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# Notes

# Thank You



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