



National Policy Consultation Series on Children's Health and Environment

*Building a Dialogue Towards a National Strategy for
Children's Health and Environment in Canada*

January – September 2007

Workshop #3 – Research Informing Policy

April 18–19, 2007

Sutton Place Hotel, 10235 – 101 Street, Edmonton, Alberta

Presented By:

Canadian Partnership for Children's Health and Environment (CPCHE)

Pollution Probe is the lead CPCHE partner to deliver the National Policy Consultation Series

National Policy Consultation Series on Children's Health and Environment

Overview

Pollution Probe, in partnership with the Canadian Partnership for Children's Health and Environment (CPCHE), is organizing a *National Policy Consultation Series on Children's Health and Environment*. This year-long process will involve hosting workshops in six regions of the country to engage and educate a broad range of stakeholders on children's health and environment issues.

The process will culminate in the preparation of a report on the results of the consultations. CPCHE members intend to follow up on the process by developing a *Children's Health and Environment Vision and Strategy for Canada*. The *Vision and Strategy* will focus attention on the need to implement more child-protective policies to reduce and eliminate exposure to toxic substances that CPCHE members believe are harming, or may harm, children in Canada. The broader goal of CPCHE is to achieve a fundamental shift in public behaviour towards reducing the risk of child-related toxic exposures.

Canadian Partnership for Children's Health and Environment

CPCHE is an affiliation of groups with overlapping missions to improve children's environmental health in Canada (www.healthyenvironmentforkids.ca). Working across traditional boundaries (i.e., health, child care and environmental organizations), CPCHE provides common ground for working to protect children's health from exposure to environmental contaminants. The partnership aims to:

- Move children's environmental health issues into the minds of decision-makers, both on the front lines and at the policy level;
- Promote children's environmental health amongst caregivers and the public; and
- Coordinate activities and create efficiencies amongst the partners.

CPCHE's core partners are among the leading voices on children's environmental health issues in Canada. Partners include:

- Canadian Association of Physicians for the Environment
- Canadian Child Care Federation
- Canadian Environmental Law Association
- Canadian Institute of Child Health
- Environmental Health Clinic — Women's College Hospital

- Learning Disabilities Association of Canada
- Ontario College of Family Physicians
- Ontario Public Health Association
- Pollution Probe
- South Riverdale Community Health Centre
- Toronto Public Health

Why Focus on Children?

Children are uniquely vulnerable to environmental contaminants. Relative to their body size, children breathe, eat and drink more than adults. This means that a child's body will take in and absorb more contaminants. Children also behave differently. Infants, toddlers and young children explore the world with their hands and mouths. Their exposure is greater than adults to contaminants in the air, soil and house dust, on indoor and outdoor surfaces, and in some consumer products.

As children grow, they pass through many developmental stages, each of which has different "windows of vulnerability." Even before a baby is conceived, men and women need to avoid exposure to substances that might harm the sperm or egg. Vulnerability continues during pregnancy and throughout childhood to the end of adolescence, as the brain, lungs and reproductive systems are still developing until adulthood. (For more information, see *Child Health and the Environment — A Primer* on the CPCHE website www.healthyenvironmentforkids.ca).

The Purpose

The purpose of the workshop series is to build a dialogue towards a national strategy for children's health and environment. The series will share and build knowledge among the participants, with each regional workshop exploring different themes related to children's health and environment.

How Will the Policy Consultation Process Work?

A multi-stakeholder engagement model is being used for the *National Policy Consultation Series on Children's Health and Environment*. This model complements CPCHE's mission to work across traditional boundaries to protect children from environmental exposures. The process will engage stakeholders from government, industry, academe, NGOs, health care practitioners and child care service providers. It will allow for and be respectful of different points of view.

Potential themes and timing for the workshops are shown below (but are still subject to change based on advice received from various stakeholders).

Workshop #1 — Children's Health and Environment: Setting the Stage

Local Host — McLaughlin Centre for Population Health, University of Ottawa

Location — Crowne Plaza Ottawa (101 Lyon Street), Ottawa, Ontario

Timing — January 23–24, 2007

**Workshop #2 — Outdoor Air Quality:
Implications for Children’s Health**

Local Host — Ontario Ministry of the Environment

Location — University of Toronto Conference Centre (89 Chestnut Street), Toronto, Ontario

Timing — February 27–28, 2007

Workshop #3 — State of Children’s Health and Environment Research in Canada

Local Host — Alberta Heritage Foundation for Medical Research, Alberta Centre for Child, Family and Community Research and Health Canada — Alberta Region

Location — Sutton Place Hotel (10235-101 Street), Edmonton, Alberta

Timing — April 18–19, 2007

Workshop #4 — A Focus on Neurodevelopment

Local Host — Collaborative Effort on Children’s Environmental Health

Location — Fredericton, New Brunswick

Timing — May 15–16, 2007

Workshop #5 — A Focus on Consumer Products

Local Host — To be determined

Location — Montreal, Quebec

Timing — June 19–20, 2007

Workshop #6 — Policy Recommendations and Strategy Development

Local Host — National Collaborating Centre on Environmental Health

Location — Vancouver, British Columbia

Timing — September 25–26, 2007

The consultation process will be progressive, with each workshop building on knowledge gained in previous workshops. Participants will be selected from groups of stakeholders who share an interest in, or responsibility for, children’s health and the environment. Invitees will include academics, scientists, policy experts, government and industry representatives, community groups and health care practitioners. CPCHE expects to have about 50–60 participants per workshop.

The outcome of the consultations cannot be determined in advance, but at a minimum CPCHE hopes to have a productive dialogue and to advance the education and understanding of all stakeholders on the important issue of children’s health and the environment.

Consultation Sponsors

Funding and support for the *National Policy Consultation Series on Children’s Health and Environment* has been generously provided by:

- Alberta Heritage Foundation for Medical Research
- BC Ministry of the Environment
- Canadian Chemical Producers’ Association
- Canadian Consumer Specialty Products Association
- Canadian Petroleum Products Institute
- Catalyst Paper Corporation
- Health Canada
- Max Bell Foundation
- Newalta Corporation
- Ontario Ministry of the Environment
- Shell Canada Limited
- Others (to be added later)

Consultation Supporters

The following individuals are part of the advisory committee for the *National Policy Consultation Series on Children's Health and Environment*:

Darcy Boyd, Ontario Ministry of the Environment

Anne Buntic, Ontario Ministry of the Environment

Bruce Caswell, Canadian Chemical Producers' Association

Kathleen Cooper, Canadian Environmental Law Association

Susan Ecclestone, Health Canada

Elizabeth Everhardus, Pollution Probe

Janet Mullins, Environment Canada

Eva Musso, Ontario Ministry of the Environment

Jennifer Maxwell, Intergovernmental Children's Task Group

Anne McConnell, Canadian Consumer Specialty Products Association

Ken Ogilvie, Pollution Probe (*Co-Chair*)

Richard Paton, Canadian Chemical Producers' Association

Tonya Surman, CPCHE (*Co-Chair*)

Franca Ursitti, Region of Peel and Ontario Public Health Association

National Policy Consultation Series Framework

Purpose of the Process

To build a dialogue towards a national strategy for children's health and environment and share knowledge among the participants, with each regional workshop exploring different themes related to children's health and environment.

CPCHE Partners
(health, children and environment groups)

Intergovernmental Committee on Health and the Environment

Other Supporters

January 2007

September 2007

Ottawa
Stage Setting
Jan. 23–24 '07

Toronto
Outdoor Air Quality
Feb. 27–28 '07

Edmonton
Research
April 18–19 '07

Moncton
Neurodevelopment
May '07

Montreal
Consumer Products & Indoor Air
June 19–20 '07

Vancouver
Policy Strategy Recomm'd's
Sept. 25–26 '07

Progressive consultation process — building on the knowledge gathered from the last event — along topical and geographic themes which differ from meeting to meeting, writers will evolve the workshop report and share the findings at each meeting and online — engaging a national constituency.

Chronicling the Dialogue

Building Social Capital

National CHE Constituency:

Improved knowledge of issues and ability to mobilize expertise and social capital in support of children's health and environment.

NPC Workshop Report

CPCHE Strategy & Policy Recomm'd's

Intergov'tal Children's Task Group

Substantive improvements to policy and programs protecting children's health and environment.

Workshop #3

Research Informing Policy

Agenda

Sutton Place Hotel, 10235 – 101 Street, Edmonton, Alberta

April 18–19, 2007

Local Hosts: Alberta Heritage Foundation for Medical Research; Alberta Centre for Child, Family and Community Research; and Health Canada — Alberta Region

Building a Dialogue Towards a National Strategy for Children's Health and Environment in Canada

This two-day workshop will explore the research base for children's environmental health in Canada in order to inform Canadian policy development.

Day I — Wednesday, April 18, 2007

- 8:30 **Introduction and Welcome** — Tonya Surman, NPC Facilitator and CPCHE Partnership Director and Kathleen Hunter, Health Canada — Alberta Region
- 8:45 **Setting the Stage and Providing the Context for Children's Health and Environment** — Dr. Lynn Marshall, Co-chair, Environmental Health Committee, Ontario College of Family Physicians
- 9:00 **Roundtable Introductions**
- 9:30 **Current State of Children's Environmental Health Research in Canada at CIHR and Beyond** — Dr. Michael Kramer, Scientific Director, Canadian Institutes for Health Research
- 9:45 **Question and Discussion Period**
- 10:00 **Current Activities in Tracking**
Chair: Terry Klassen, Department of Pediatrics, University of Alberta
US Longitudinal Study — Dr. Ken Schoendorf, Extramural Program Staff, National Institute of Child Health and Human Development
Surveillance, Indicators and Bio Monitoring — Doug Haines, Senior Science Advisor, Health Canada

- 10:30 **Questions and Discussion Period**
- 11:00 **Health Break**
- 11:20 **Insights from Researchers in Canada**
Chair: Terry Klassen, Department of Pediatrics, University of Alberta
Drinking Water and Children's Environmental Health: Translating Research into Policy, An Illustrative Tale — Steve Hrudehy, University of Alberta, Environmental Health Sciences in the Department of Public Health Sciences, Faculty of Medicine and Dentistry
Effects of Exposure to Toxicants: From the Gamete to the Child — Barbara Hales, Department of Pharmacology and Therapeutics, McGill University
A Paediatrician's Perspective on Research: Clinical Research at the Paediatric Environmental Health Specialty Unit — Dr. Irena Buka, Director, Paediatric Environmental Health Specialty Unit, Misericordia Hospital
- 12:05 **Question and Discussion Period**
- 12:30 **Lunch**
- 1:30 **Children's Environmental Health Research: An Industry Perspective** — Dr. R. Jeffrey Lewis, Scientific Associate, Exxon Mobil Biomedical Sciences, Inc.
- 1:50 **Children's Environmental Health Research: Challenge and Opportunity** — Dr. Kevin Keough, Alberta Heritage Foundation for Medical Research
- 2:10 **Weight of Evidence: Implications for Setting Policy** — Kathleen Cooper, Senior Researcher, Canadian Environmental Law Association
- 2:30 **Question and Discussion Period**
- 3:00 **Health Break**
- 3:15 **Breakout Group Sessions**
- 4:00 **Cracker Barrel***
Maternal Infant Research Project, Sainte Justine Hospital — Dr. Tye Arbuckle, Senior Epidemiologist and Research Scientist, Health Canada
Special Populations — Jack Bend, Professor, Department of Pathology, Siebens-Drake Medical Research Institute, Schulich School of Medicine and Dentistry, University of Western Ontario
COPD & Asthma Network of Alberta (CANA) (speaker to be confirmed)
Alberta Biomonitoring Project, Alberta Health and Wellness (speaker to be confirmed)

* The Cracker Barrel consists of small group interactions with a series of presenters. The groups move around the room and spend time with every presenter.

4:50 **Closing Thoughts and Adjourn** — Tonya Surman, NPC Facilitator and CPCHE Partnership Director

A reception will follow from 5:00 to 6:30 pm at the Sutton Place Edmonton.

Day 2 — Thursday, April 19, 2007

8:45 **Welcome and Recap from Day 1** — Ken Ogilvie, Executive Director, Pollution Probe and Tonya Surman, NPC Facilitator and CPCHE Partnership Director

8:50 **Ministerial Welcome** — Honourable Rob Renner, Alberta Minister of the Environment

9:00 **Moving Children's Environmental Health Policy Forward** — Dr. Nick Bayliss, Chief Medical Officer of Health, Alberta

9:15 **Talk Show** — How Research Informs Policy
Chair: Tonya Surman, NPC Facilitator and CPCHE Partnership Director

1. Sue Milburn-Hopwood, Director, Risk Management Bureau, Health Canada
2. Nancy Reynolds, Alberta Centre for Child, Family and Community Research
3. Randy Angle, Alberta Environment
4. Ken Ogilvie, Executive Director, Pollution Probe

10:30 **Health Break**

11:00 **Open Space**

1. What is needed to ensure a strong research base?
 - a. Longitudinal Study Group*
 - b. Coordinating our research efforts*
2. What is needed for research to effectively inform policy?
 - a. How much evidence is enough before action*
3. Space for other ideas to be brought into conversation

12:30 **Lunch**

1:30 **Report Back to Plenary**

Closing Thoughts and Adjourn — Tonya Surman, NPC Facilitator and CPCHE Partnership Director

Registration Form

National Policy Consultation Series on Children's Health and Environment

Workshop #3 — Research Informing Policy

April 18–19, 2007

Edmonton, Alberta

Fax Back Registration Form to 416-926-1601 or email to btran@pollutionprobe.org

Name _____

Title _____

Organization _____

Address _____

City _____ Prov/State _____ Postal/Zip Code _____

Country _____ Phone _____ Fax _____

Email _____

Food allergies or restrictions _____

Please indicate if you would like to receive ongoing updates as the NPC series progresses.

Note: The NPC is an **invitation only** event.

If you have suggestions for additional invitees, please forward them to eeverhardus@pollutionprobe.org.

There is no registration fee to attend the series; however, participants are expected to cover the cost of their travel and accomodation, unless otherwise arranged.

Please indicate which of the other workshops in the series you would be interested in attending:*

This is not for registration purposes but as a means of anticipating interest. Participation in each workshop is limited and will be by **invitation only.*

- Consultation #4 — May 15–16, 2007, Fredericton, NB
- Consultation #5 — June 19–20, 2007, Montreal, QC
- Consultation #6 — Sept. 25–26, 2007, Vancouver, BC

Workshop #1

Children's Health and Environment: Stage Setting

Agenda

Crowne Plaza Ottawa, 101 Lyon Street, Ottawa, Ontario

January 23–24, 2007

Building a Dialogue Towards a National Strategy for Children's Health and Environment in Canada

In this two-day workshop, we will provide an initial overview of the players, health effects and government responses to children's health and environment in Canada.

Day 1 — Tuesday, January 23, 2007

- 8:30 **Introduction and Welcome** — Tonya Surman, CPCHE Partnership Director
- 8:45 **Setting the Stage and Providing the Context for Children's Health and Environment** — Ken Ogilvie, Executive Director, Pollution Probe and Franca Ursitti, Research and Policy Analyst, Environmental Health Division, Peel Region Public Health and Ontario Public Health Association
- 9:15 **Roundtable Introductions**
- 9:45 **The Context for Preventing Children's Exposures to Toxic Chemicals** — Dr. Jenny Pronczuk de Garbino, Medical Officer Toxicologist, Public Health and the Environment, World Health Organization
- 10:05 **Health Break**
- 10:30 **Children's Health and Environment: Science and Health Impacts** — Dr. Don Spady, Pediatrician and Epidemiologist, Departments of Pediatrics and Public Health Sciences, Faculty of Medicine, University of Alberta
- 10:50 **Industry Innovation in Addressing Children's Health and Environment Concerns** — Dr. Carol Henry, Vice President, Industry Performance Programs, American Chemistry Council
- 11:10 **Conversation Café** — In small groups, discuss the major themes from presentations

- 12:00 **Lunch**
- 1:00 **Health Concerns Panel — New Evidence of Primary Health Effects, Concerns and Exposures**
Chair: Dr. James Gomes, Director, Health Sciences Program, Faculty of Health Sciences, University of Ottawa
Respiratory Illness and Beyond — Dr. Loren Vanderlinden, Environmental Assessment and Policy Supervisor, Toronto Public Health
Endocrine Disruption — Dr. Warren Foster, Professor and Director, Centre for Reproductive Care and the Reproductive Biology Division, Department of Obstetrics and Gynecology, McMaster University
Neurodevelopment — Barbara McElgunn, Health Policy Officer, Learning Disabilities Association of Canada
Cancer in Children — Dr. Claire Infante-Rivard, Professor, Department of Epidemiology, Biostatistics and Occupational Health, Faculty of Medicine, McGill University
- 2:15 **Question and Discussion Period**
- 3:00 **Health Break**
- 3:20 **Cracker Barrel***
EPA Project, Training Health Care Professionals about Children's Health and the Environment using WHO Training Modules — Regina De La Campa, Project Coordinator, Canadian Institute of Child Health
Children's Environmental Health Learning Kit — Robin (Kealey) McMillan, Project Manager, Canadian Child Care Federation
Chemical Substances Web Portal — Government of Canada — Ross McGhie, Policy Analyst, Environmental Stewardship Branch, Environment Canada and Dr. Miriam Padolsky, Manager, Risk Communications and Public Involvement, Risk Management Bureau, Health Canada
Environmental History Taking — Dr. Riina Ines Bray, Assistant Professor, Department of Family and Community Medicine, University of Toronto and Medical Director, Environmental Health Clinic, Women's College Hospital
Canadian Partnership for Children's Health and Environment Website — Myriam Beaulne, Health Promotion Coordinator, CPCHE
Responsible Care Program® — Brian Wastle, Vice President, Responsible Care®, Canadian Chemical Producers' Association
- 4:30 **Plenary Session**
- 4:45 **Closing Thoughts and Adjourn** — Tonya Surman, CPCHE Partnership Director

A reception will follow from 6:00 to 7:00 pm at the Crowne Plaza Ottawa.

** The Cracker Barrel consists of small group interactions with a series of presenters. The groups move around the room and spend time with every presenter.*

Day 2 — Wednesday, January 24, 2007

- 8:45 **Welcome and Recap from Day 1** — Tonya Surman, CPCHE Partnership Director
- 9:30 **Policy Briefing Panel — Policy Tools to Protect Children’s Health and Environment**
Chair: Sue Milburn-Hopwood, Director, Risk Management Bureau, Safe Environments Programme, Health Canada
CEPA Within an International Perspective — Kathleen Cooper, Senior Researcher, Canadian Environmental Law Association
The Canadian Tool Set — Paul Glover, Director General, Safe Environments Programme, Healthy Environments and Consumer Safety Branch, Health Canada
Intergovernmental Committee: Children’s Task Group — Jennifer Maxwell, Chair, Children’s Task Group of the Federal-Provincial-Territorial (FPT) Committee on Health and Environment (CHE)
Responsible Chemicals Management — Dr. Roger Keefe, Advisor, Public Policy and Regulatory Affairs, Imperial Oil Limited
- 10:45 **Health Break**
- 11:15 **Question and Discussion Period**
- 12:00 **Lunch**
- 1:00 **Ministerial Keynote Address** — Honourable Tony Clement, Minister of Health and the Minister for the Federal Economic Development Initiative for Northern Ontario
- 1:15 **Response and Update from Workshop Participants** — Ken Ogilvie, Executive Director, Pollution Probe
- 1:30 **Question and Discussion Period**
- 2:30 **Health Break**
- 2:45 **Breakout Group Session**
- 4:00 **Report Back to Plenary**
- 4:45 **Closing Thoughts and Adjourn** — Tonya Surman, CPCHE Partnership Director

Workshop #2

Outdoor Air Quality — Implications for Children’s Health

Agenda

89 Chestnut Street, University of Toronto Conference Centre, Toronto, Ontario

February 27–28, 2007

Local Host: Ontario Ministry of the Environment

Building a Dialogue Towards a National Strategy for Children’s Health and Environment in Canada

This two-day workshop will cover how air quality standards are set, and will open a dialogue on the challenges and actions underway to protect children’s respiratory health.

Day I — Tuesday, February 27, 2007

- 8:30 **Introduction and Welcome** — Tonya Surman, NPC Facilitator and CPCHE Partnership Director
- 8:40 **Setting the Stage and Providing the Context for Children’s Health and Environment** — Ken Ogilvie, Executive Director, Pollution Probe and Kathleen Cooper, Senior Researcher, Canadian Environmental Law Association
- 9:00 **Roundtable Introductions**
- 9:20 **Ministerial Keynote Address** — Honourable Laurel Broten, Ontario Minister of the Environment
- 9:40 **Children’s Health and Environment in the Overall Public Health Context** — Dr. David McKeown, Medical Officer of Health, Toronto Public Health
- 10:00 **Integrating Science, Public Education and Health Care to Improve Children’s Respiratory Health** — Dr. Barbara MacKinnon, Director, Environmental Research, New Brunswick Lung Association
- 10:30 **Health Break**
- 11:00 **Question and Discussion Period**

- 12:00 **Lunch**
- 1:00 **Panel — Air Pollution and Standards-setting**
Chair: Dean Edwardson, General Manager, Sarnia Lambton Environmental Association
Proposed Revisions to the US Air Quality Standards for Ozone and Particulate Matter — Deborah Shprentz, Consultant, American Lung Association
Science in Support of Air Quality Standards-setting in Canada — Phil Blagden, Acting Manager, Air Health Effects Division, Health Canada
Risk Assessment and Standards-setting in Ontario — Catherine Grant, Engineering Specialist, Standards Development Branch, Environmental Sciences and Standards Division, Ontario Ministry of the Environment
- 2:15 **Question and Discussion Period**
- 3:00 **Health Break**
- 3:15 **Facilitated Discussion** — Group discussion on gaps and needs in research to inform the standards-setting process. Questions to discuss: What are the gaps in the research? What are the gaps in the standards? What are the gaps in surveillance?
- 4:00 **Cracker Barrel***
Ontario Hospital Clean Air Challenge — Kady Cowan, Project Coordinator, Canadian Centre for Pollution Prevention
Air Quality Health Index — Phil Blagden, Acting Manager, Air Health Effects Division, Health Canada
School Bus Initiative — Louise Aubin, Environmental Health Research and Policy Analyst, Region of Peel Public Health Department and Chair, Environmental Health Workgroup, Ontario Public Health Association
Toronto Cancer Prevention Coalition's Occupational and Environmental Working Group, Community Right-to-Know — Nancy Bradshaw, Community Outreach Coordinator, Environmental Health Clinic, Women's College Hospital
Childhood Asthma — Chris Haromy, Respiratory Therapist, Asthma Action Program, The Ontario Lung Association
- 4:45 **Plenary Session**
- 5:00 **Closing Thoughts and Adjourn** — Tonya Surman, NPC Facilitator and CPCHE Partnership Director

A reception will follow from 5:00 to 6:30 pm at the University of Toronto Conference Centre.

** The Cracker Barrel consists of small group interactions with a series of presenters. The groups move around the room and spend time with every presenter.*

Day 2 — Wednesday, February 28, 2007

- 8:45 **Welcome and Recap from Day 1** — Ken Ogilvie, Executive Director, Pollution Probe and Tonya Surman, NPC Facilitator and CPCHE Partnership Director
- 9:00 **Proposed Clean Air Act and Dealing with Transboundary Air Issues** — Michael Horgan, Deputy Minister, Environment Canada
- 9:20 **Improving Air Quality in a Competitive Context: National Framework for Petroleum Refinery Emission Reductions** — Claude Chamberland, Manager, Industry and Government Affairs, Shell Canada Limited
- 9:40 **Health Break**
- 10:00 **Panel — Local and Regional Initiatives**
Chair: Dr. Monica Campbell, Manager, Health Promotion and Environmental Protection, Toronto Public Health
Community-based Investigations of Point Source Air Pollution and Children's Respiratory Health — Dr. Tom Kosatsky, Epidemiologist, Montreal Public Health Department
Canada-US Border Air Quality Strategy — Anita Wong, A/Manager, Air and Climate Change Section, Environmental Protection Operations Directorate, Environment Canada - Ontario Region
Birth Outcomes, Childhood Respiratory Disease and Exposure to Air Pollutants — Dr. Michael Brauer, Professor and Director, Occupational and Environmental Hygiene, University of British Columbia
Windsor Children's Respiratory Health Study — Dr. Ling Liu, Head, Air Health Effects Research Section, Healthy Environments and Consumer Safety Branch, Health Canada
- 11:15 **Question and Discussion Period**
- 12:00 **Lunch**
- 1:00 **Breakout Session — Putting it all Together**
Examples of questions: How do we integrate standards and policy? What role does public outreach and communications play? What elements would we need in a national strategy to address air quality from a children's health perspective?
- 2:30 **Health Break**
- 2:45 **Continuation of Breakout Session**
- 4:00 **Report Back to Plenary**
- 4:45 **Closing Thoughts and Adjourn** — Tonya Surman, NPC Facilitator and CPCHE Partnership Director