

# The PIEVC Protocol Session: Informing Collaborative Planning and Engineering Decision Making

## AGENDA

8:20 – 5pm Thursday February 25<sup>th</sup>, 2016

- 8:20 – 8:45 Registration
- 8:45 – 9:00 Welcome & Introductory Remarks
- Workshop goals, agenda and integrating the PIEVC (Public Infrastructure Engineering Vulnerability Committee) process into the planning process
- 🗣 *Christine Callihoo, MSc. RPP, Sr. Land Use & Community Planner, Associated Environmental (AE)*
  - 🗣 *Mark Porter M.I.Struct.E., P.Eng., Associated Engineering (AE)*
  - 🗣 *David Lapp, P.Eng. Practice Lead, Engineering and Public Policy, Engineers Canada*
- 9:00 – 9:20 Pacific Climate Impacts Consortium (PCIC) – Overview
- PCIC's Plan2Adapt tool – applying the climate science
- 🗣 *Trevor Murdock, Climate Scientist and Lead, Regional Climate Impacts, PCIC*
- 9:20 – 10:00 Overview of PIEVC Protocol
- Understanding of the PIEVC Protocols and its applications (Risk / Climate and the Protocol)
- 🗣 *Jeff O'Driscoll, P.Eng., Associated Engineering (AE)*
  - 🗣 *David Lapp, P.Eng. Practice Lead, Engineering and Public Policy, Engineers Canada*
- 10:00– 10:15 Refreshment Break
- 10:15 – 11:10 BC Highways Case Study – How MoTI has applied PIEVC
- Case studies and discussion on the use of the tool as well as why and how to incorporate the tool into existing processes and steps, MOTI guidelines and collaboration with APEGBC.
- 🗣 *Dirk Nyland, P.Eng., Chief Engineer, BC Ministry of Transportation and Infrastructure (MoTI), Victoria*
- 11:10 – 12:00 Capital Regional District (CRD) / City of Victoria Case Study – Harbour Pathway
- Overview of CRD's Coastal Sea Level Rise Risk Assessment Project, including City of Victoria's inner harbour location results, and a review of the CRD's downscaled climate projections related to temperature and precipitation with a discussion of the City of Victoria's planned Harbour Pathway project.
- 🗣 *Nikki Elliott, CRD Climate Action Program*
  - 🗣 *Steve Young, Climate Action Analyst, City of Victoria*

12:00 – 1:00	Lunch Break
1:00 – 1:40	<p>Exercise #1 – Protocol Steps (1,2,3) – Project Definition, Data Gathering, Risk Assessment</p> <p>Using the information developed in the CRD's sea level rise and downscaled climate projection studies, we will create a workshop case study to evaluate the Harbour Pathway project and other infrastructure in the vicinity for climate risk as a 'real world' yet hypothetical example using the PIEVC Process.</p> <p>📍 Jeff O'Driscoll, P.Eng., Associated Engineering (AE)</p> <p>📍 David Lapp, P.Eng. Practice Lead, Engineering and Public Policy, Engineers Canada</p>
1:40 – 2:20	<p>City of Vancouver and Sea Level Rise Planning: False Creek</p> <p>Highlights key risks and vulnerabilities, options, the pros/cons and quantitative trade-offs between options, and how the process informed planning decisions</p> <p>📍 Tamsin Mills, MSc. RPP, Senior Sustainability Specialist, City of Vancouver Sustainability Group</p>
2:20 – 2:40	Refreshment Break
2:40 – 3:20	<p>Exercise #2 – Protocol Steps (4 &amp; 5) – Engineering Analysis, Conclusions and Recommendations</p> <p>Based on the risk profile (low-medium-high) of the representative infrastructure developed in Exercise #1, engineering analysis, conclusion, recommendations and next steps will be discussed. The discussion will incorporate both engineering and planning techniques / applications</p> <p>📍 Jeff O'Driscoll, P.Eng., Associated Engineering (AE)</p> <p>📍 David Lapp, P.Eng. Practice Lead, Engineering and Public Policy, Engineers Canada</p>
3:20 – 3:40	<p>Association of Professional Engineers and Geoscientists BC Guidelines – Brief Overview</p> <p>📍 Harshan Radhakrishnan, P.Eng., M.A.Sc., Practice Advisor, Professional Practice, Standards &amp; Development, APEGBC</p>
3:40 – 5:00	<p>Summary and Closure</p> <p>De-brief on break-out group dialogue and discuss the roles / options from both a planning and an engineering perspective. Discussion to focus upon the possible uses of the tool in planning; how, when and with what modification will this take place? What resources and data are required?</p> <p>📍 Christine Callihoo, MSc. RPP, Sr. Land Use &amp; Community Planner, Associated Environmental (AE)</p> <p>📍 Mark Porter M.I.Struct.E., P.Eng., Associated Engineering (AE)</p> <p>📍 David Lapp, P.Eng. Practice Lead, Engineering and Public Policy, Engineers Canada</p>