

Upon completion, participants will have:

An increased understanding of the costs and liabilities related to public infrastructure as a result of climate change

An increased understanding of historical climate trends, methods for projecting future climate, and approaches to acquiring and applying climate data in infrastructure assessment

A basic understanding of risk assessment as applied to infrastructure response to changing climate

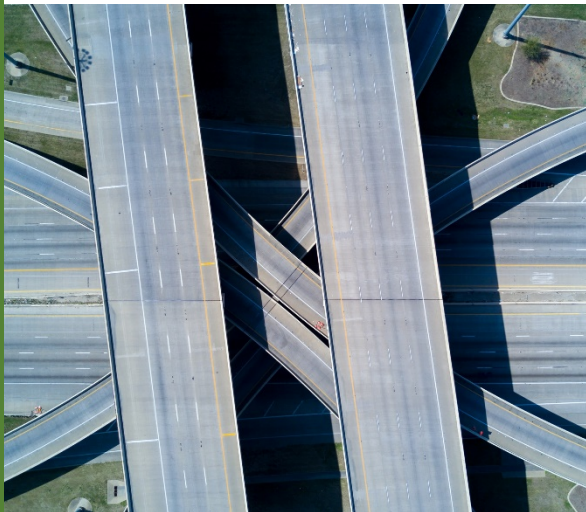
Hands-on experience with the application of climate change risk assessment for selected infrastructure examples

First-hand experience at developing strategies and recommendations to address infrastructure climate vulnerabilities

Recognition of the benefits of a multi-disciplinary and multi-stakeholder team to address the impacts and complexities of climate

Climate Change and Infrastructure Risk Assessment

The PIEVC Protocol



This Training **provides participants with information about, and practice with the PIEVC Protocol**, a practical tool and process that supports the systematic assessment of the risks of extreme weather and future climate in relation to public infrastructure.

Developed by Engineers Canada in partnership with Natural Resources Canada, the Protocol is a structured procedure using standard risk assessment **processes to assess and fully document the vulnerability of infrastructure** to the impacts of current and future climate at a screening level, and related risks. For more: <https://pievc.ca/protocol>

This Training will be **of interest to engineers and other infrastructure professionals** who are involved in policy, planning, procurement, pre-design, design, operation, maintenance, management and regulation of infrastructure and who, now and in the future, need to consider the changing climate for these activities.

This Training is **one of six courses comprising the Infrastructure Resilience Professional (IRP) credentialling program** available to professional engineers. Those who take the course for IRP credentialling will complete quizzes and a final exam to confirm learning outcomes have been reached.

This and other IRP courses are **also offered as Continuing Professional Development** at a lower cost, for engineers who do not want to pursue the IRP designation, and for other professionals who are not eligible to participate in the IRP program but wish to become familiar with the Protocol.

The Instructors

[Joel Nodelman, P.Eng., CRM](#)

[Jeff O'Driscoll, P.Eng., IRP](#)

[Norman Shippee, Ph.D.](#)

[Dirk Nyland, P.Eng., IRP](#)

Click on the instructor name
to visit their bio!

For more
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The Training



The Training consists of **five (5) two-hour modules** delivered through an on-line video-enabled webinar platform. Presentations and exercises illustrate real life applications through hands-on, small group exercises using a case study approach that includes developing strategies and recommendations to address identified climate vulnerabilities. **New Course content has been added specifically to support practitioners in the use of PIEVC in Federal Climate Lens assessments.**

Course information

Start Date: November 18, 2020 (for five consecutive Wednesdays)

Time: 11:00 am -1:00 pm **PST** (check your time zone)

Fee: \$625 (if pursuing IRP credential); \$475 (professional development only)

Fees cover course instruction and presentation materials in pdf format. Participants will be sent information to access the five modules following completion of registration and payment. This training is intended for individual instruction, not for groups under a single registration.

All participants receive a **Certificate of Completion.**

Click [here](#) to register.

IRP Program

The IRP Program was designed to help engineers strengthen the knowledge and competencies they require to advance more climate-resilient approaches for the planning, design and management of infrastructure.

For more on the IRP Program, including how to pursue your IRP designation, please visit the Climate Risk Institute website or click [here](#).

The Climate Risk Institute (CRI) is a non-profit, academically affiliated organization focused on advancing practice and delivering services related to climate change risk assessment, adaptation planning, policy evaluation and resiliency.

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