WHAT IS THE CLIMATE LENS?
The Climate Lens is a guidance document developed by Infrastructure Canada in June 2018 that helps decision-makers understand the climate change risks associated with the funding, design, construction and operation of large infrastructure projects in Canada.

The Climate Lens guides large infrastructure projects towards designs that minimize greenhouse gas (GHG) emissions and are resilient to climate change. The Climate Lens is now a mandatory requirement for projects associated with several of Infrastructure Canada’s programs, including the Investing in Canada Infrastructure Program (ICIP), the Disaster Mitigation and Adaptation Fund (DMAF) and Smart Cities Challenge.

The Climate Lens guidance document is available on Infrastructure Canada’s website.

WHAT ARE THE CLIMATE LENS REQUIREMENTS?
The Climate Lens includes two assessments. The type of assessment required is based on the type of Infrastructure Canada program being pursued, its funding stream, and the project’s estimated cost. Applications may require either one or both assessments.

GHG Mitigation Assessment
The GHG Mitigation Assessment estimates a project’s GHG emissions and reductions relative to a business-as-usual scenario. The assessment requires adherence to the ISO 14064-2 standard for project-based GHG accounting. Supplemental guidance is provided by the GHG Protocol for Project Accounting. The assessment must be prepared or validated by a qualified Professional Engineer or a GHG accounting professional accredited by ISO 14064-3 or ISO 14065.

Climate Change Resilience Assessment
The Climate Change Resilience Assessment is used to identify, assess, mitigate and manage potential risks associated with climate change during a project’s design and operation. The assessment can range from preliminary to comprehensive depending on the magnitude of the risks identified. The assessment aligns with the ISO 31000:2018, Risk management – Guidelines standard. It must be conducted by a qualified professional engineer, registered planner, biologist or hydrologist with expertise in resilience assessments, or an expert with Canadian Risk Management designation, ISO 31000 certificate or equivalent.
REQUIREMENTS FOR CLIMATE LENS ASSESSMENT

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<td>Investing in Canada Infrastructure Program (Integrated Bilateral Agreements)</td>
<td>Mandatory</td>
<td>Mandatory if total eligible project costs &gt; $10M</td>
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<td>Green Infrastructure – Climate Change Mitigation Sub-stream</td>
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<td>Green Infrastructure – Adaptation, Resilience and Disaster Mitigation sub-stream</td>
<td>Mandatory if total eligible project costs &gt; $10M</td>
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<td>Other streams and Substreams (Environmental Quality, Public Transit, Community, Culture and Recreation, Rural and Northern Communities)</td>
<td>Both mandatory if total eligible project costs &gt; $10M</td>
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<td>National Programs</td>
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<td>Disaster Mitigation and Adaptation Fund</td>
<td>Mandatory for all projects</td>
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<td>Smart Cities Challenge</td>
<td>Mandatory if total eligible project costs &gt; $10M and a GHG project</td>
<td>Mandatory if total eligible project costs &gt; $10M and a resilience project</td>
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HOW CAN WE HELP?
As a national leader in climate change resilience and mitigation, our cross disciplinary Canadian team is available to support all your Climate Lens requirements. Our experienced climate specialists support our clients with sustainability-related services for infrastructure projects in the following areas:

- Climate Change Risk & Vulnerability Assessment
- Flood Risk Management
- Supply Chain Management and Life-cycle Assessment
- GRESB Infrastructure
- GHG Accounting & Mitigation Planning
- Climate Change Resilience & Adaptation
- PIEVC Protocol Assessment
- GRI Reporting
- Economic Impact Analysis
- Resource Efficiency & Management
- Envision Certification
- CDP

Our team includes qualified Infrastructure Assessment professional engineers, ISO certified GHG accountants, climate science experts, biologists and hydrologists that are required to conduct and validate the Climate Lens mitigation and resilience assessments.

FUTURE READY
WSP is committed to helping make Canada Future Ready through our work. Future Ready is an innovative program that enables our staff to see the future more clearly and design for it today. Through Future Ready, we deliver projects solutions that support a prosperous, resilient, resource efficient future.

WHO WE ARE
WSP is one of the world’s leading professional services consulting firms. We are dedicated to our local communities and propelled by international brainpower. We are technical experts and strategic advisors including engineers, technicians, scientists, project managers, planners, surveyors and environmental specialists, as well as other design and program management professionals. We design and deliver lasting solutions in the Buildings, Transportation, Infrastructure, Environment, Geomatics, Energy, Resources and Industry sectors as well as project delivery and strategic consulting services. With over 8,000 talented people across Canada and 43,000 globally, we engineer projects that will help societies grow for generations to come.

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