Climate Change Adaptation for Resiliency in Buildings

Preparing buildings for the known and anticipated impacts of climate change helps ensure service continuity, as well as occupant safety and comfort.

We conduct risk assessments to identify vulnerable building systems and integrate recommended actions into adaptation plans. This will reduce financial and infrastructure loss in the near and long-term, as well as ensure building operations are ready to respond to climate change impacts.

With our 30 years of experience in energy management for existing buildings, combined with our expertise in mechanical and electrical design and stakeholder engagement, we will recommend the most sustainable adaptation measures to keep your buildings resilient in our changing climate.

Prism ENGINEERING

From design to implementation, we provide energy management, electrical and mechanical engineering, utility monitoring and sustainability consulting to help our clients create a greener, more energy-efficient world.

7 LOCATIONS TO SERVE YOU Burnaby + Kamloops + Kelowna + Nelson + Revelstoke + Squamish + Victoria

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Prism is dedicated to helping you adapt your buildings for climate change while reducing greenhouse gas emissions.

Mitigation involves modification of building systems to reduce the building's environmental impact by lowering energy and water use.

Adaptation involves modification of building systems to address vulnerability to climate change by improving infrastructure resilience.

Our Services

Stakeholder engagement and education

- Assess training needs
- Develop and deliver training
- Design and facilitate stakeholder engagement activities
- Feedback and follow-up

Policy development and planning

- Facilitate process
- Research best practices
- Engage stakeholders
- Identify emergency function facilities
- Survey existing problems
- Reviewfor alignment with capital or energy upgrades
- Develop plan or policy

Vulnerability risk assessment

- Define project boundary and components
- Develop list of climate parameters relevant to infrastructure
- Conduct detailed site review
- Assess risk of facilities against future climate projections
- Provide recommendations to address risks

Detailed engineering analysis

- Review capacity and load issues
- Calculate new loads based on future climate projections
- Concept design of new system(s) for resiliency to future climate

Implementation of capital upgrades

- Upgrade planning
- Detailed design
- Tender
- Construction coordination
- Commissioning and operator training