Climate Safety Summit

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ENGINEERS &
GEOSCIENTISTS
BRITISH COLUMBIA

ENGINEERS AND GEOSCIENTISTS BC

- Regulatory body for professional engineers and geoscientists in BC
- Registrant numbers ~40,000
- Primary responsibility to act first and foremost in the public interest
- Commitment on Social Responsibility:
  - promoting equity, diversity and inclusion,
  - promoting Reconciliation with Indigenous Peoples, and
  - taking action on climate change



Engineers and Geoscientists BC's Climate Change Action Plan

ENGINEERS AND GEOSCIENTISTS BC'S CLIMATE OBJECTIVES
LEADERSHIP AND COLLABORATION Lead the engineering and geoscience professions' response to climate change in BC and collaborate with others to leverage resources and enhance impact.
REGISTRATION AND COMPETENCY Update the registration process for professional engineers and geoscientists to incorporate climate change competencies.
EDUCATION AND KNOWLEDGE SHARING Build registrants' knowledge of and capacity to consider climate change in their professional practice.
PRACTICE RESOURCES Provide registrants with practical and relevant practice resources to help them deliver appropriate responses to a changing climate and reduce greenhouse gas emissions.



What is Climate Safety?

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ELECTRICAL ENGINEERING CONSIDERATIONS IN FLOOD-RESILIENT DESIGN OF BUILDINGS

- Electrical equipment should be located above flood construction level (FCL), or if below FCL, must be protected against flood water with remote shut off above the FCL
- Elevator equipment:
  - Must be designed for wet locations, and safe operation and egress above the FCL
  - Should be designed to remain operational for evacuation purposes
- Elevator machine rooms must be located above the FCL

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OVERHEATING IN MULTI-UNIT RESIDENTIAL BUILDINGS

Heat Pumps as a Climate Change Adaptation Strategy

Heat pumps:

- Provide heating and cooling
- Can replace fossil fuel heating
- Are energy efficient
- Can be sized to meet full heating and cooling demand
- Promote resiliency



THANK YOU

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