



**BOMA BEST - Questionnaire for Sustainable Buildings**

**FORM R2.0**

**Focus Area:** Resilience & Site

**Topic:** Climate Hazards & Risks

**Question R2.0: Past Climate Hazards:** What climate hazards and extreme weather events has the site experienced in the past ten (10) years?

Complete the following questions to indicate the climate hazards and events that have been experienced or considered as potential risks at the property and within the region in the past five (5) years.

Indicate whether each event could be considered high, medium, or low impact based on the site's location.

For each event experienced, note any negative impacts such as tenant complaints and equipment damage, and measures implemented to address the event.

**Level of Impact**

--Select Level--

**Power Outages** due to storms, overloaded electrical grid, or similar reasons

Approximately how many times has the building experienced power outages (longer than 1 hour) and/or used backup power in the past 5 years?

0

1-5

> 5

*Note impacts and measures implemented, if applicable*

--Select Level--

**Extreme Heat Events**

Approximately how many weeks per year in the most recent 3-5 years did any occupied areas in the building reach internal temperatures that start to be high risk to individuals most vulnerable to heat (e.g. above 26 deg.C)?

< 1 week

1 - 2 weeks

> 2 weeks



Approximately what was the highest outdoor temperature recorded in the most recent 5 years in the building's location?

Answer:

*Note impacts and measures implemented, if applicable*

--Select Level--

**Wildfires**

Are wildfires considered a relevant hazard for the region, and is the building site considered at risk?

- Yes
- No

Over the last 5 years, have wildfires posed a risk for the region?

- Yes
- No

*Note impacts and measures implemented, if applicable*

--Select Level--

**Poor Air Quality** due to wildfire smoke or similar reasons

Approximately how many days per year in each of the most recent 5 years did the building's region experience poor air quality?

For reference: Air Quality Index (AQI) >100 is unhealthy for sensitive groups and >150 is unhealthy for the entire population

- Never or rarely
- <1 week per year
- 1-4 weeks per year
- >1 month per year



*Note impacts and measures implemented, if applicable*

--Select Level--

**Storms**

Approximately how many times per year do significant storms occur (ones that have the potential to cause damage)?

Indicate the type of storms (wind, hail, rain, ice, snow, tropical, hurricane, tornado etc.).

- 0x per year
- 1-3x per year
- > 3x per year

Have any of those storms significantly damaged building elements, caused significant onsite debris, posed significant threats to occupant safety, or otherwise impacted occupants' ability to travel to, enter, or remain in the building?

- Yes
- No

*Note impacts and measures implemented, if applicable*

--Select Level--

**Flooding**

Is the building site within a designated floodplain or flood protection zone? *Refer to regionally available floodmaps such as: <http://floodsmartcanada.ca/floodplain-maps/>*

- Yes
- No

Have major storms or rapid snowmelt caused any flooding in the building in the past 5 years?

- Yes
- No



*Note impacts and measures implemented, if applicable*

--Select Level--

**Erosion and Landslides**

Is the building located in a region that has experienced major landslides in the past 5 years?

Yes

No

*Note impacts and measures implemented, if applicable*

--Select Level--

**Drought and Water Shortages**

Approximately how often are water restrictions implemented in the region based on the past 5 years?

Annually

Every other year

Never

*Note impacts and measures implemented, if applicable*



--Select Level--

**Earthquakes**

(not climate-related, but present similar risks, so included for comprehensiveness of review)

Is the building located in an earthquake-prone region?

Yes

No

If so, is your building on a site that is at risk for liquefaction, or in a tsunami evacuation zone?

Liquefaction zone

Tsunami evacuation zone

*Note impacts and measures implemented, if applicable*

--Select Level--

**Rising Sea Levels or Ocean Surge**

Is the property located in a coastal region that has been impacted by ocean storm surge or changes in sea level in the past 5 years?

Yes

No

Has the property been affected by saltwater spray, saltwater intrusion or coastal erosion in the past 5 years?

Yes

No

*Note impacts and measures implemented, if applicable*

--Select Level--

**Other**

Indicate other climate hazards or extreme events that are applicable to your property.