

City of Burlington Pedestrian Level Wind Study Submission Checklist

Name of Project: _____

Municipal Address of Project: _____

Name of Applicant: _____

Wind Study Prepared By: _____

Date of Submission: _____

Type of Study Provided

- Desktop Assessment Check if Included
- Computational Fluid Dynamics (CFD)
- Wind Tunnel Test

Wind Data Sources

- YHM (John C. Munro Hamilton) Airport Check if Included
- Other Source: _____
- Other Source: _____
- Other Source: _____

Proposal

- Number of buildings proposed _____
- Height of tallest proposed building _____ m
- Height of second tallest proposed building (if applicable) _____ m

Wind Data

- Summer (May - October) Check if Included
- Winter (November - April)
- Number of wind directions tested _____

Site

- Site Area _____ ha
- Distance from nearest low-rise residential neighbourhood area (including Residential -Low Density and -Medium Density) _____ m

Configurations

- Existing Check if Included
- Proposed
- Mitigation (if applicable)

- Located between Queen Elizabeth Way and the Lake Ontario Shoreline Yes No
- Check if Included

Wind Tunnel Test (if applicable)

- Model Scale 1: _____ Check if Included
- Approved Sensor Plan Provided

Technical Report Provided

Wind Impact Criteria Results

- The proposal meets the applicable Wind Impact Criteria for:
- | | Yes | No |
|-------------------------|--------------------------|--------------------------|
| Pedestrian Wind Comfort | <input type="checkbox"/> | <input type="checkbox"/> |
| Pedestrian Wind Safety | <input type="checkbox"/> | <input type="checkbox"/> |

Identification of Site Elements

- Buildings to Remain (if applicable)
- Major Building Entrances
- Sidewalks
- Parking Lots
- Public Amenity Spaces
- Transit Stops

Mitigation

- Are any Mitigation Measures proposed? Yes No