

# PROJECT PROFILE

# CITY OF TORONTO WIND STUDY

# GUIDELINES



Toronto, Ontario, Canada

## The City of Toronto requires developers to provide a wind study as part of a development application process.

**The objective of a wind study is to address how a proposed development may affect the mechanical force and safety concerns of wind on people. As part of the process, applicants work closely with City Planning staff to review the information in the Wind Study and to identify methods to mitigate undesirable or unsafe wind conditions. It was recognized that the guidelines on how to conduct a wind study needed to be updated to address the increasing complexity of development application and to incorporate more recent technologies used to undertake wind studies.**

RWDI was retained to develop the guidelines for the wind studies, including the technical specifications for selection of a model, use of meteorological data, design criteria for pedestrian comfort and safety, graphical presentation of the results, and wind control strategies.

The resultant revised guidelines will help ensure:

- Consistency with the Wind Studies submitted from different consulting companies.
- City planners/reviewers are equipped with the information they need to undertake a thorough review of the development application.
- Reduction in the amount of undesirable wind conditions in the city and adequate thermal comfort.



## SERVICES

Microclimate studies