

## Wind Study

---

### **Purpose:**

*The intent of a Wind Study is to evaluate how a proposed development will affect wind patterns at ground level and surrounding areas and to guide the design and orientation of the proposed development to mitigate adverse wind effects.*

---

Where a Wind Study is required, such study should include:

- i. The height of the proposed development in relation to the height of surrounding structures.
- ii. The orientation and general massing of the development with respect to the primary wind directions.
- iii. The location and shape of specific design features that induce wind activity.
- iv. The orientation of the development with respect to sun angles.
- v. The potential impact of wind speed increases created by the development on the surroundings, pedestrians and birds in all four seasons.
- vi. An outline of mitigation features to be included in development design including base and podium conditions, canopies, tower orientation and landscaping.

---

### **Qualifications:**

*A Wind Study should be prepared by qualified professionals such as wind engineers, environmental consultants, or specialized firms with expertise in computational fluid dynamics (CFD), wind tunnel testing, and microclimate analysis to assess the impact of wind by proposed developments.*

---