

## ASCE 7-10 Wind speeds Now Available on Web

The Applied Technology Council (ATC) has developed a web-based tool that provides a way for users to find a site-specific wind speed using the GPS coordinate system. The spatial resolution of the wind speed maps that are currently displayed in ASCE 7 are not sufficient to determine a site specific wind speed and there are no reference city or town locations on the ASCE 7 maps. While county boundaries are shown, the resolution is degraded when the maps are expanded large enough to distinguish the boundaries and approximate the city locations. This new tool eliminates the problem of resolution by using GPS coordinates to locate a site. Wind speeds are interpolated to the nearest one (1) mile per hour based on the wind contours on the maps. The platform is Google Earth; either street maps or satellite images can be used to locate a specific site.



Wind speeds are provided in 3-second peak gust speeds for the three (3) Risk Category maps provided in ASCE 7-10 in a one-page report. It is expected that users will be potentially using building codes that reference other versions of ASCE 7 for some years to come and therefore, the wind speed report will include wind speeds for ASCE 7-05 and the fastest mile wind speeds from ASCE 7-93 for those who need a comparative speed between averaging times. In addition to the wind speeds for the three risk classifications, wind speeds are provided for serviceability purposes for 10, 25, 50 and 100-year return periods.

The wind speed site will be free for users. The URL for the site is [www.atcouncil.org/windspeed](http://www.atcouncil.org/windspeed). Users are encouraged to also provide ATC with feedback about the site so that enhancements can be planned. Users are asked to use the Contact Us page for this feedback.

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