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One of the first efforts to demonstrate a code-compliant methodology for calculating wind loads was done by Colleen O'Brian and Stephen Barkaszi in a Solar ABC's publication titled Wind Load Calculations for PV Arrays. This publication provided not only theoretical guidance but several actual calculations for sample roof mounted PV arrays.

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Wind Loads are important consideration in structural engineering in the design of a structure. Adding to SkyCiv's already list of free tools, is the new Wind Load Calculator for ASCE 7-10, AS 1170.2 and EN 1991 (EC1). This easy to use calculator will display the wind speed by location via a wind speed map as prescribed by the above building codes.

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We really go deep into the details and we make a separate wind load calculation with an external partner, the Institute for Aerodynamics. They check the terrain, Euro code data, and an exact wind ...

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