

Question 23:

In follow-up to Question and Answer 3, would a project that has a meteorological tower 3 to 4 km from the closest wind turbine and verification within 2 km of the closest wind turbine using SODAR or LIDAR be viewed as meeting the requirements of the article?

Answer 23:

A project provided with a meteorological tower located at a distance no longer than 4 km of the nearest wind turbine is acceptable if a verification is made by SODAR or LIDAR at a maximal distance of 2 km of the closest wind turbine.

However, this verification must include two (2) periods of concomitant measures of winds made on both the meteorological tower and the SODAR/ LIDAR:

- a first validation period during which the measurement of wind SODAR/ LIDAR must be made near the meteorological tower (the distance separating the tower of the SODAR/LIDAR should not exceed the height of the tower) and,
- a second period during which measurement of wind SODAR/LIDAR while the SODAR/LIDAR is located less than 2 km of the nearest wind turbine.

The global rates of data recovery for each of these two (2) periods have to be at least 75%. The duration of the periods of SODAR/LIDAR wind measurement must conform with the practices generally recognized by firms specialized in this field.

The validity of the results obtained must be approved and signed by an expert with at least five years of pertinent experience in the assessment of wind energy potential and expected electricity generation. This approval of results is part of a wider initiative presented in the section 2.2.10 of the Call for tender A/O 2009-02 document of which here is an excerpt:

" In addition, the bidder must submit in section 3.6 of the Bid Form an expert's report corroborating the validity of the results obtained, including the estimated electricity generation of the wind farm expressed as average net energy generated over the long term on a monthly and annual basis (P₅₀). This report must specify among others, the method chosen, the correlation model used, and the level of uncertainty regarding the estimated wind resources, and confirm that the above requirements have been met. "

The modification in the requirements described above will be published in a next addendum.