

ENVIRONMENTAL IMPACT STUDY (EIS) Wind Farm expansion

FW POWER
Vallessaccarda - IT



**COMPLETION
DATE 2009**

PROJECT DESCRIPTION

The study of environmental impacts and cumulative effects for the expansion of Vallessaccarda wind farm focused on the following items identified as priorities:

- Noise study (noise emitted by wind turbines)
- Landscape study.

The evaluation procedure for Landscape study was developed ad hoc, as per the Italian legislation guidelines.

The use of GIS (Geographical Information System) gave the opportunity of a detailed study in terms of territory morphology and land constraint (e.g. Nature 2000 areas, groundwater level, park boundaries).

Results of the study were discussed with client and the project updated to integrate the environmental findings. Whenever a residual impact couldn't be technically tackled, adequate environmental compensation was defined.

The environmental impact study was then submitted to Campania Region's EIA Commission together with the detailed project of the wind farm; the procedure is presently in progress.

FOSTER WHEELER ITALIANA SCOPE OF WORK

- Data collection from public authorities, including one site visit.
- GIS analysis and map production.
- Environmental contribution to the project review phase of the Vallessaccarda plant design.
- Definition of environmental indicators.
- Analysis of the existing monitoring system.
- Redaction of EIS and non-technical synthesis for public consultation.
- Follow up of the project procedure.

