

Abstract

The dissertation compares expected and observed impacts of wind turbines on landscape character. Wind turbines are large-scale constructions with a significant interference on landscape which can cause visual pollution. It is a new and unique element of landscape. Its number has increased significantly over the last fifteen years. The aim of this thesis is to compare whether the landscape assessments of selected wind turbines were done correctly or whether expected impacts on landscape character were underestimated or overestimated. Three areas of interest including wind turbines were selected for the comparison of observed and expected impacts of wind turbines on the landscape character: Dětřichov u Frýdlantu, Petrovice and Zlatá Olešnice. The partial objective of the thesis was to compare the photographic documentation of wind turbines with their computer visualizations. This research is complemented with interviews with local government representatives, which describe their attitude towards wind turbines in the municipality and its surroundings. Results of the comparison of expected and observed impacts of wind turbines on landscape character have shown that in Dětřichov u Frýdlantu and in Petrovice expected impacts of wind turbines were overestimated. In Zlatá Olešnice, expected impacts of wind turbines on the landscape character were in agreement with those observed.

Key words: landscape character, landscape, wind turbines, EIA, visibility