

PROJECT PROFILE: **WIND FARMS**



PROJECT: MONTANA WIND HARNESS
PRELIMINARY REVIEW
Cut Bank and Rapelje, Montana

CLIENT: Bison Engineering

To assure investors that these **two potential sites for 75 MW wind turbine farms** did not have significant environmental concerns that would hinder the development of the sites, a **preliminary review** of the noise issues of each site was conducted by Big Sky Acoustics.

BSA's SERVICES and SOLUTIONS:

- Estimated the noise level at residences due to approximately **45 wind turbine generators on each site**.
- Researched **ordinances and guidelines** that have been developed **specifically for wind turbine generators** to limit the noise impact of wind farms.
- Discussed the **unique characteristics and nuances in the perception of wind turbine noise**, and the annoyance it can possibly create.
- Determined the approximate **minimum distance** that would be required between the residences and turbines **to achieve an acceptable noise level** at each of the residences.
- Summarized the preliminary review of the noise issues for each site in a **written report**.
- The Executive Summary of the report was used as an integral part of the developer's presentations to potential investors, and the information in the report will be used to plan the turbine locations on each site.