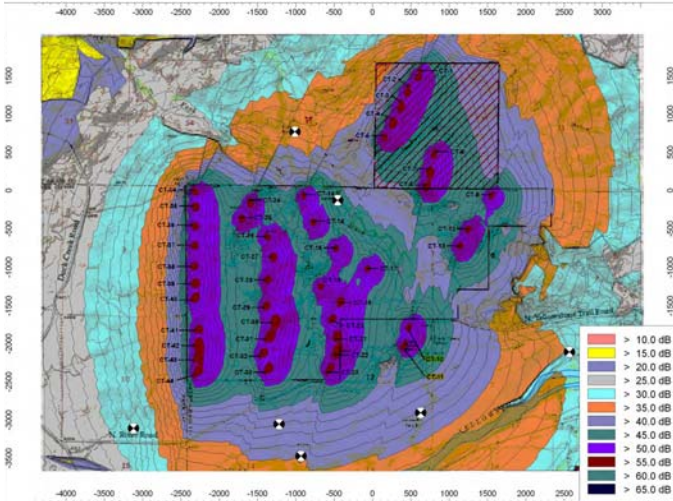


PROJECT PROFILE: WIND FARM

PROJECT: COYOTE WIND PROJECT



A wind farm consisting of 36 wind turbines on private land and 8 wind turbines on State School Trust land was proposed near Springdale, Montana. BSA was hired to complete an Environmental Noise Study for the project EIS.

BSA's SERVICES AND SOLUTIONS:

- ◆ Measured pre-construction noise levels, and compared ambient noise levels on the ground due to various wind speeds at 32 feet above the ground surface.
- ◆ Determined that construction noise may be audible at receptors located up to 1-mile from the diesel-powered equipment.
- ◆ Using computer modeling software, predicted the operational noise levels of the turbines and developed noise level contours for the No Action and Proposed Action alternatives.
- ◆ Evaluated the cumulative effects of the combination of the wind turbines located on the private and public lands, and predicted the turbine noise levels at various wind speeds at nearby residences and recreational areas.
- ◆ Researched the potential effects of increased noise on human and wildlife receptors. Set action level criteria to evaluate noise levels.
- ◆ Determined noise mitigation measures for the construction, operation and maintenance phases. Evaluated the noise effects of relocating the wind turbines located closest to the residences.
- ◆ Completed the Environmental Noise Study Report that was used as an Appendix in the project EIS.

