

PROJECT PROFILE: **POWER PLANT**

PROJECT: ROUNDUP POWER PROJECT EIS
Roundup, Montana



The developer of this proposed 350 MW coal-fired power plant needed to address several environmental concerns for permitting, and provide support documentation for the EIS, that would be prepared by the State. Big Sky Acoustics was hired to conduct the noise study for the project.

BSA's SERVICES AND SOLUTIONS:

- Identified noise-sensitive areas, including residences and a church retreat, within 2 miles of the proposed power plant site.
- Measured the ambient noise levels at representative locations to determine the existing conditions.
- Predicted the noise levels at the residences due to the preliminary equipment list for the plant and its associated operations, including:

Forced draft fans	Induced draft fans
Primary air fans	Condensing units
Transformers	Compressors
Coal transfer	
- Developed noise control mitigation options to limit the plant noise levels at the residences and to meet the EPA noise guideline.
- Summarized the Environmental Noise Study in a written report used for the EIS.
- Based in part on the thoroughness of the noise study for the project, the EIS was approved, enabling the project and plant design to proceed.

