

PROJECT PROFILE: **POWER PLANT**



PROJECT: SILVER BOW GENERATION EIS
Butte, Montana

This proposed 500 MW, natural-gas fired power plant with three compressor stations along the gas pipeline route required the development of an EIS. Big Sky Acoustics was hired to determine the noise impacts and to prepare the noise sections of the EIS.

BSA's SERVICES AND SOLUTIONS:

- Assessed the adequacy and accuracy of the noise technical information in the project application.
- Measured existing ambient noise levels in residential areas near the power plant site to establish baseline noise levels.
- Compared the predicted power plant noise levels to the county noise ordinance to determine compliance, and to the measured baseline levels, to estimate how the residents would perceive and react to the noise of the power plant.
- Predicted the noise levels of the new compressor stations at nearby residences and assessed the noise impacts, by comparing the predicted levels to the EPA noise criteria and existing baseline noise levels.
- Summarized the noise issues and potential impacts of the project in a written report used for the EIS.

