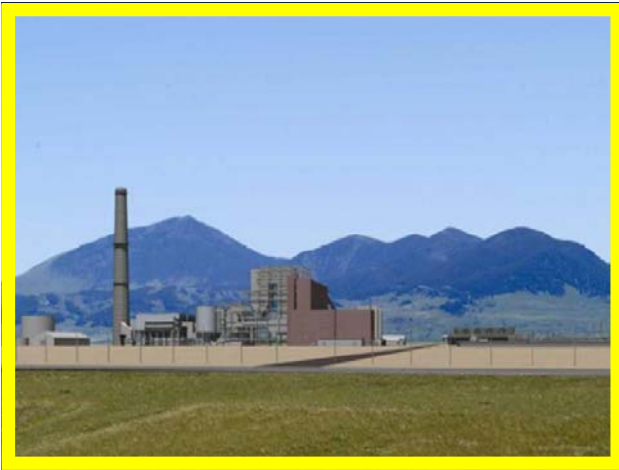


PROJECT PROFILE: **POWER PLANT**



PROJECT: Highwood Generating Station
Great Falls, Montana

Big Sky Acoustics, LLC (BSA) was hired to complete a Baseline Noise Study for this power project and provide information for the EIS.

BSA's SERVICES AND SOLUTIONS:

- ◆ Measured ambient noise levels at two potential site locations to determine baseline noise conditions. Short-term and 24-hour noise level measurements were completed.
- ◆ Developed a computer model of the proposed noise sources based on the anticipated plant equipment.
- ◆ Developed noise contour maps overlying USGS topographic data showing where predicted noise is expected to meet the EPA guideline, the measured baseline conditions, and the quiet ambient conditions.
- ◆ Separately evaluated transportation (i.e. train and traffic) noise levels, as well as wind turbine noise.
- ◆ Completed a Baseline Noise Study report documenting the existing environment, including the noise level measurement results, and the affected environment, including construction and operational noise sources, noise level contours, results and potential noise impacts at nearby residences.
- ◆ The Baseline Noise Study findings were also used to develop the noise sections of the Environmental Impact Statement for the project.
- ◆ Determined compliance noise levels and noise control measures required for project approval.

