

> POWER GENERATION – NOISE CONTROL

PATCHING ASSOCIATES ACOUSTICAL ENGINEERING

ENVIRONMENTAL NOISE IMPACTS

Power Generation facilities generate noise from multiple sources during daily operations. This noise is transmitted into the environment, potentially affecting surrounding communities and residents. Additionally, power generation facilities are often required to comply with noise control regulations or guidelines within their jurisdiction. Ensuring noise is properly controlled is critical to reducing the risk of a noise complaint or non-compliance with regulatory or environmental noise requirements.

Patching Associates has significant experience working with operators, engineering firms, landowners and regulators involved with proposed and existing power generation facilities, including power plants, substations, transmission lines and gas utility pipelines. A key part of this process is the completion of a Noise Impact Assessment (NIA). If an NIA is not completed, a facility application may be delayed or rejected and enforcement action may be taken.

ACCURATE MODELING AND ANALYSIS

An accurate noise model is the primary tool for identifying dominant noise sources to be targeted for noise control design. An NIA can be completed using theoretical data, manufacturer's data and field measurement data, and also takes into consideration cumulative noise impacts in the region. Patching Associates utilizes sophisticated noise modeling software and analysis tools to minimize the amount of conservatism built into the noise model.

REGULATORY COMPLIANCE AND APPROVALS

Patching Associates understands complex regulatory environments and has been involved in developing regulations for the power generation industry. We provide the expertise to ensure regulatory permits and approvals are achieved for new or existing facilities.

We deliver noise management solutions that meet or exceed regulations, and include detailed specifications and cost effective noise control recommendations to achieve compliance with minimal retrofits.



Patching Associates offers practical and cost effective noise control solutions to help power generation facilities reduce the risk of noise complaints or non-compliance with regulations.

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