IAC Acoustics Scores Again with Noishield® FS/S Sound Barrier Systems at PG&E

For a second time IAC Acoustics supplied and installed Noishield® FS/S sound barrier panels for Pacific Gas & Electric (PG&E), only this time in Gustine, California.

The source of the noise complaint was two large transformers approximately 45' and 70' from the property line. The closest resident was within 15' of the property line adjacent to the transformers. IAC Acoustics provided complete turn-key services including design, engineering, foundations, structural supporting steel, acoustic panels and installation in order to address the low frequency noise generated from the transformers that exceeded the local noise ordinance.

Manufacturing and Installation

PG&E presented the IAC Acoustics team with an additional challenge; to control the run-off rain water from escaping in to the adjacent properties prior to being filtered into the on site water treatment area. This 2' high IAC Acoustics Noishield® sound barrier panel was designed to protect the community from unwanted sound, contain potentially contaminated water from adjacent properties and as a security fence to keep out trespassers. IAC Acoustics designed the foundation with an integrated curb to be both structurally sound and environmentally compliant. The panels are factory finished using a polyester powder coating for exterior applications and are available in over 100 colors. The low weight panels are 2' tall and stacked to achieve desired height and configuration.

Acoustic Performance

IAC Noishield® FS/S sound barrier systems optimize sound transmission loss and sound transmission properties in a durable aesthetically pleasing wall system in harmony with the community. The 5" thick panel is self-draining and the absorptive side is rated NRC 1.05 with an STC 33 rating. According to resident in the adjacent property, the IAC Acoustics barrier wall has exceeded expectations with regard to the noise.