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Andrew Varrow  
Pine Gate Renewables

**Subject:** *Morven Solar Project – Sound Study  
Brooks County, Georgia*

### **Executive Summary**

The purpose of this technical memorandum is to summarize the evaluated sound levels associated with the operational equipment located throughout the proposed Morven Solar Project in Brooks County, GA.

The proposed solar photovoltaic project site is partially within the City of Morven, with the eastern portion of the site in an unincorporated part of Brooks County, and is located approximately 11 miles northwest of Valdosta and approximately 11 miles northeast of Quitman. The site is generally located east of GA-133 (Valdosta Highway) and Peach Road, west of Guess Road, and bisected by Lawson Mill Pond Road. The solar site will be located on agricultural and forested land with rural residential properties surrounding the project area. The location of the proposed Morven Solar Project is shown in **Figure 1**.

### **Project Description**

The proposed Morven Solar Project will be developed on approximately 1,100 acres of agricultural and forested land within the City of Morven and unincorporated Brooks County, GA. The solar site will consist of solar arrays and inverters throughout the project area as well as a power substation with transformers.

### **Local Regulations**

Ordinances and regulations for solar energy systems in Brooks County, GA were not identified; therefore, decibel or frequency limits for solar sites were not available for comparison purposes.

However, a threshold of 50 dB(A) was established as a reference for operational noise at the Morven Solar Project to be conservative.