



This is the second update of the sanctuary sound system by DSM & Associates. The first update to the system was in 1994 to improve coverage and intelligibility. The second update was in 2002 and was due to an expansion and renovation of the church to accommodate a growing congregation. The remodeling called for the removal of all carpeting and replacement with a slate tile. This would increase the reverberation time of the church dramatically and consequently reducing the intelligibility of the spoken word considerably. DSM was brought in during the early planning stages and worked with St. Noel to determine the most cost effective solution to this problem. We utilized our EASE acoustic software to construct a computer model to assess the new acoustical properties of the church as well as to carefully choose new speakers and speaker placement. These speakers would need to adequately cover the congregation area, but limit the energy directed at the wall or ceiling areas of the church.

The type of sound system we developed was an overhead distributed system consisting of 11 speakers. The system utilizes an automatic microphone mixer for all of the altar microphones and a manual mixer for the choir.