

## SUCCESSFUL SOLUTION

### YC Power Systems Provides a Custom Solution for Meadowbrook's Senior Living Community

#### Application Background:

A new assisted living facility was being designed within an existing senior living community in Escondido, CA. As a part of the design, a portion of the new facility would be designated for extended care residents. As a result, emergency backup power was now required by code. This drove the facility to look into different options, including a backup generator. The use of a generator would not only meet the facility code requirements, but could also be utilized to support a mix of the facility's essential loads as well. The customer then approached YC Power for a complete solution. Upon review, YC Power discovered that the county residential sound requirement of 45dB at the property line was going to be enforced by the city, somewhat complicating the design and installation logistics.



#### Solution:

By getting involved in the early design stages of the project, YC Power Systems was able to develop a complete solution for the facility. In conjunction with the electrical engineer of record, YC Power Systems' EPG account manager Ben Serabian was able to develop and size a system that would feed both priority and non-priority loads with the use of multiple transfer switches. This system would meet the facility's current 1600Amp load requirements as well as provide flexibility for future growth potential. YC Power Systems was also able to assist the customer by taking away the stress of the strict sound requirement. By bringing in an acoustical engineering group to perform a site sound profile, the data was collected and utilized in the design of a custom one-off sound



attenuated enclosure that not only exceeded the city's strict sound requirements, but was also aesthetically pleasing for the residents, as the approved design blended with the surrounding structures.

#### Benefit:

With the new backup generator in place, Meadowbrook's Senior Living Community is now up to the code requirements for this type of facility. They also have the security of knowing the extended care residents would be safe in case of an outage. The facility is now ready to implement any growth expansions in the near future.