



SUCCESSFUL SOLUTION

YC Power Provides Emergency Standby Backup for a Government Agency to Meet the Required Runtime Load

Application Background: This Government agency regulates all aspects of civil aviation. These include the construction and operation of airports, air traffic management, the certification of personnel and aircraft, and the protection of U.S. assets during the launch or re-entry of commercial space vehicles. The government facility in El Segundo is the new Western Headquarters. Based on the equipment installed and the importance of keeping this facility online, it is outfitted with UPS and Generator Backup Power.



Solution: The Engineer of record, Syska Hennessy Group Los Angeles, reached out to YC Power and we provided jobsite design support to ensure all Critical Loads and local Air Quality District requirements would be met. It was crucial for this project to note that the Generator is installed within 100 Meters of a School K-12 and that the Government Agency requires 3 days Runtime at 100% load.

The projects final design was based around the Generac Industrial Power 500kW SD500 Standby Generator. This package was fully designed around the requirements provided and Jobsite space available.

YC Power Designed/Installed/Baseline tested the PM Filter that was required by the local Air Quality District at our Fontana facility. We made sure the generator was in full compliance before shipment to the site. We added an additional Circuit Breaker for future load bank testing to regenerate the PM Filter and stay within the Compliance Requirements. All in all another smooth YC Power project thanks to all partners involved.

Benefit: With the custom jobsite design and support for this project, YC Power Systems was able to ensure all critical loads and local air quality district requirements were met. It was very important that the YC Power solution properly met the South Coast AQMD requirements as well as the government agency's strict technical and runtime requirements. The reliability of runtime for backup power is now guaranteed for this headquarters.