

UPS Replacement Landon State Office Building

KS Division of Facility Management Topeka, Kansas



The existing uninterruptible power supplies that served the Landon State Office Building were approximately 30 years old, unreliable and obsolete. This equipment served several mainframe computers vital to the ongoing operations of the Kansas State government. The Division of Facilities Management chose **DRG** to design the replacement of this equipment.

After collecting and reviewing the actual electrical loads, **DRG** was able to downsize from three 750 kVA UPS units to two 500 kVA UPS units, thereby providing the State with a substantial savings. The existing wet-cell batteries were also tested and inspected. Batteries found to be in good condition were then redistributed and reused. A dual bus UPS system was designed to provide the added security of either UPS being able to serve any critical load. In order to provide additional savings and accelerate the schedule, DRG produced two bid packages. The first bid package was for purchase of the major equipment items including the UPS units, sealed batteries, and static transfer switches. The second bid package was for installation of the equipment. **DRG** also provided engineering services during the bidding and construction phases of this project. **DRG** worked closely with the Division of Facilities Management staff to schedule the flow of work in order to minimize outages during construction. ***The final design took up less space and proved to be more efficient, safe, and reliable than the previous system.***



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