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IBM NCEP PHASE IV

OWNER	
Location	Gaithersburg, Maryland
Project Value	\$1,900,000
Completion date	June 2009
Major Challenge	Accelerated Schedule Equipment Delivery Physical Space Constraints
General Contractor	Skanska USA

DESCRIPTION OF WORK

J. E. Richards provided labor and material for a major infrastructure upgrade to accommodate a new processing center for NCEP.

Work included receiving and installing two (2) -1,000 kw generators rated at 480vac with associated paralleling switchgear; two (2) - 1,500kva Substations (13.2kv primary/480vac secondary), two (2) - 500kva UPS units with Bypass, ten (10) - static transfer switches (STS), and two (2) - power distribution units (PDU)

Work also included power distribution with bus duct (800a and 1600a) from the generators to the new substation, and from the substation to the new processing center. The existing

infrastructure made the new routing of conduit and bus duct complex. The medium voltage power supply involved the installation of four (4) - 6" rigid conduit from the existing substation in the basement to the new substation on the first level.

All work was completed during normal hours of operation with little disruption to all existing operations including an operating cafeteria and data center. Most of the conduit and bus duct was installed through the kitchen area and main building lobby.

All work was received, installed, tested, and commissioned in a 14-week schedule.