

Key West Resort Utilities Corporation

Wastewater Utility

Key West, Florida

800kW MTU Genset

January 2018

Florida Compliance Codes

Existing Unit & Pad

Custom Sub-Base Tank

Key West Resort Utilities Corporation, a wastewater utility located in Key West, Florida.

Catastrophic weather is a public works director's worst nightmare. A massive storm can wreck infrastructure on an epic scale, and the costs to the city and the local economy can be staggering. For officials responsible for sanitary sewer operations, hurricanes are especially troubling. The loss of electrical power, a common occurrence with hurricanes, means that pump stations shut down. Raw sewage can backup into homes or spill out into the environment.

New MTU Genset for Key West Florida

800 kW MTU to Existing Pad with Retrofit Sub-base Tank to Meet Florida DEP

The island chain does not have a power grid per se. The power comes down the highway from the mainland 120 miles away. A cut in power creates extended power outages.

This generator must be extremely dependable, meet Florida specific compliance codes for wind and codes for the base fuel tank.

KWRU also had an existing pad that proved to be too short for any solution that would meet the power and code requirements.

After several rounds of creative ideas, the pad was re-engineered and with slight modifications to the sub-base tank the MTU generator was able to meet Florida DEP code requirements.

"Quoting Frank Lane, if you want to see the sunshine, you have to weather the storm." said Mark Paisley GPS Director of Strategic Accounts.

For this specific project, GPS deployed their 500 kVA UPS trailer, a 500 kW generator and associated cables, a load bank tester, and an Automatic Transfer Switch (ATS).

The permits for the project were handled by Kizyma Electric and NBC, and when ready, GPS quickly mobilized the equipment, set up, and began the work.

"Thanks Mark, we are looking forward to having a reliable generator that the Utility can depend on for years to come."

Operations Coordinator,
Greg Wright



Kohler Genset Removed



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