Marriott
HOTELS & RESORTS

Frenchman's Reef Marriott

St.Thomas, Virgin Islands

Water Management installed a fixed network meter reading system at The Frenchman's Reef Marriott Resort. The fixed network system automatically collects, stores, and communicates meter reading data to a host software application located in the utility back office. The system is designed to strategically collect meter reading data and operated in conjunction with a handheld reading system as a hybrid automated meter reading solution. This allows the resort to monitor its usage on a daily basis and respond to issues in a cost efficient manner.

Technicians installed thirteen separate meters at various points throughout the cliff side property to capture water usage on guest rooms, pools, reverse osmosis water filters, and their two laundry facilities. Neptune and Metron Farnier encoded register meters were used for various locations and demands. All of these meters were then connected to Metron's T2 transmitters (these are also data logging devices with over 8,500 data points) for consumption data uploading. A fixed antenna was installed on the roof top gazebo of the main hotel and was hard wired connected to the head engineer's lap top computer enabling all meters to be read in less than two minutes. Prior to the installation all meters were manually read and took hours to complete.

These automatic reads also provide other "flags" that indicate such things as leaks (meter never had "no flow"), back flow issues (water going backwards through meter), high flow, and other useful codes. The software can generate reports to show usage patterns from monthly to hourly intervals. Other reports can show hourly water usage data.

St. Thomas's Water Authority uses the same Metron transmitter for their AMR system which provides another benefit to the hotel as they can read their main meter at the same time as their sub meters, giving them up to the minute consumption data.

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