

Power Quality – Puerto Rico Electric Power Authority Perspective

This presentation is to provide an overview of the Power Quality perspective of the Puerto Rico Electric Power Authority (PREPA). A description of the actual and future Power Quality approach at PREPA is discussed. Some examples of the actual approach as improvements to the electric system (use of synchronous closing breakers, installation of 115 kV capacitor banks, design of underground transmission system circuits, etc.) and system study cases (energization of a capacitor bank, harmonic content measurements, etc.) are presented. A general description of PREPA and the Electric System of Puerto Rico is also included.