The invention relates to energy distribution system and more specifically to a method for supplying adequate energy during energy imbalance. It enables power utilities to supply minimum essential energy to all customers depending upon the total available energy. It allows customer to classify the electrical loads at its end into essential or non-essential loads. It enables the power utility to remotely limit the power consumption of an individual customer mainly during brownout condition. It allow consumers to dynamically decide priority of their Non-essential (N) loads for better utilization of available energy.

Patent Application no. 190/MUM/2015