DISTRIBUTED RESOURCE ELECTRICAL DEMAND FORECASTING SYSTEM AND METHOD

ABSTRACT

A method is disclosed to predict demand pricing events and forecast changes in price based on data collected from a distributed network of control systems and sensors. In one embodiment, the method uses a distributed network of systems and sensors to collect and monitor data that may be used to predict and preempt electrical grid demand events including black outs and brown outs. Through real-time analysis of data such as voltage, frequency, power, temperature from the distributed systems, and the condition of an electrical grid at a specific Sub-Load Aggregation Point (Sub-LAP) are modeled and determine the value of stored energy, energy generation, and load curtailment in advance of market signals.

The most illustrative drawing: Figure 1.