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(54) Title: SYSTEM AND METHOD FOR ESTIMATING AND PROVIDING DISPATCHABLE OPERATING RESERVE ENERGY CAPACITY THROUGH USE OF ACTIVE LOAD MANAGEMENT

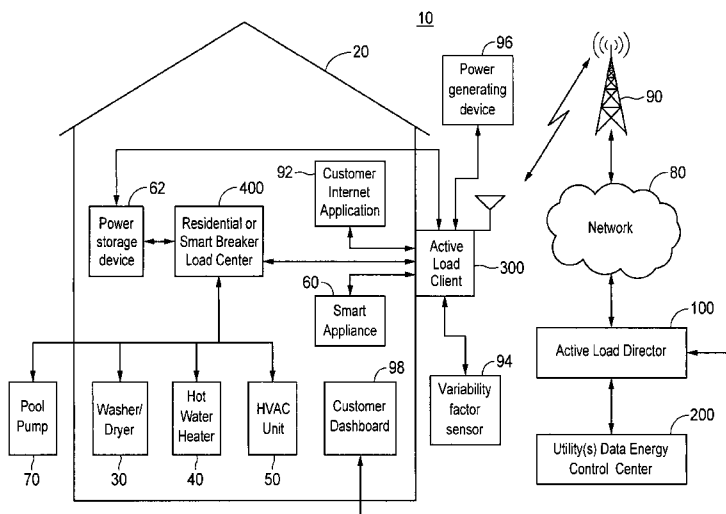


FIG. 3

(57) Abstract: A utility employs a method for estimating available operating reserve. Electric power consumption by at least one device serviced by the utility is determined during at least one period of time to produce power consumption data. The power consumption data is stored in a repository. A determination is made that a control event is to occur during which power is to be reduced to one or more devices. Prior to the control event and under an assumption that it is not to occur, power consumption behavior expected of the device(s) is estimated for a time period during which the control event is expected to occur based on the stored power consumption data. Additionally, prior to the control event, projected energy savings resulting from the control event are determined based on the devices' estimated power consumption behavior. An amount of available operating reserve is determined based on the projected energy savings.

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