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98. The water heater of claim **97** wherein the control circuitry is configured to monitor the electrical characteristic comprising frequency of the electrical energy.

99. A refrigerator comprising:

a plurality of components configured to perform operations with respect to refrigeration of goods within the refrigerator; and

control circuitry configured to monitor electrical energy provided to at least one of the components and to control at least one of the components to operate in a mode of operation wherein a reduced amount of electrical energy is consumed by the refrigerator compared with an other operational mode and responsive to the monitoring of the electrical energy.

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100. The refrigerator of claim **99** wherein the control circuitry is configured to monitor the electrical energy provided at a physical location of the refrigerator.

101. The refrigerator of claim **99** wherein the at least one component comprises a thermostat.

102. The refrigerator of claim **99** wherein the at least one component comprises a heating element.

103. The refrigerator of claim **99** wherein the at least one component comprises a circulation fan.

104. The refrigerator of claim **99** wherein the at least one component comprises a compressor.

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