CLAIMS

[Claim 1]

A power control system for performing power control such that a target power set for a group including a plurality of units of power consumption is not exceeded, the system comprising:

limit value setting unit that sets, for each of the units of power consumption, a limit value of power usage for a predetermined time period, based on the target power; and

adjustment unit that adjusts, within the predetermined time period, the limit value of each of the units of power consumption for the predetermined time period, based on an actual result of power usage within the predetermined time period.

[Claim 2]

The power control system according to claim 1, wherein the adjustment unit adjusts the limit value of each of the units of power consumption on condition that a difference between total power usage of the units of power consumption included in the group and the target power is equal to or greater than a predetermined value.

[Claim 3]

The power control system according to claim 1 or 2, wherein the adjustment unit adjusts the limit value such that the units of power consumption interchange power usage, in accordance with power usage of each of the units of power consumption over the predetermined time period.

[Claim 4]

The power control system according to any one of claims 1 to 3, further comprising control unit that controls power usage of each of the units of power consumption, based on the limit value set by the limit value setting unit, wherein

when there is the unit of power consumption whose power usage is reduced by

control based on the limit value by the control unit, the adjustment unit adjusts the limit value of the unit of power consumption.

[Claim 5]

The power control system according to any one of claims 1 to 4, wherein the adjustment unit increases the limit value of at least one unit of power consumption among the units of power consumption and decreases the limit value of at least another unit of power consumption among the units of power consumption in accordance with power usage of each of the units of power consumption over the predetermined time period.

[Claim 6]

The power control system according to claim 5, wherein the adjustment unit adjusts the limit value of each of the units of power consumption such that a total amount of increase in the limit value of a unit of power consumption whose the limit value is increased does not exceed a total amount of decrease in the limit value of a unit of power consumption whose the limit value is decreased.

[Claim 7]

The power control system according to claim 1, wherein the units of power consumption are consumers,

the limit value setting unit sets, for each of the consumers, a limit value of power usage for a predetermined time period, based on a target power set for a group of the consumers, and

the adjustment unit adjusts the limit value of each of the units of power consumption for the predetermined time period, based on actual results of power usage of the consumers within the predetermined time period.

[Claim 8]

The power control system according to claim 1, wherein the units of power

consumption are equipment devices,

the limit value setting unit sets, for each of the equipment devices, a limit value of power usage for a predetermined time period, based on a target power set for a group of the equipment devices, and

the adjustment unit adjusts the limit value of each of the units of power consumption for the predetermined time period, based on actual results of power usage of the equipment devices within the predetermined time period.

[Claim 9]

A power control system for performing power control such that a target power set for a group including a plurality of units of power consumption is not exceeded, the system comprising:

limit value setting unit that sets, for each of the units of power consumption, a limit value of power usage for a predetermined time period, based on the target power; and

adjustment unit that adjusts, within the predetermined time period, the limit value of each of the units of power consumption within a certain period preceding an end of the predetermined time period, based on an actual result of power usage within the predetermined time period, and does not adjust the limit value of each of the units of power consumption except for the certain period preceding the end of the predetermined time period.

[Claim 10]

A program for causing a computer for controlling a system for performing power control such that a target power set for a group including a plurality of units of power consumption is not exceeded, to function as:

limit value setting unit that sets, for each of the units of power consumption, a limit value of power usage for a predetermined time period, based on the target power; and

adjustment unit that adjusts, within the predetermined time period, the limit value of each of the units of power consumption for the predetermined time period, based on an actual result of power usage within the predetermined time period.

[Claim 11]

A program for causing a computer for controlling a system for performing power control such that a target power set for a group including a plurality of units of power consumption is not exceeded, to function as:

limit value setting unit that sets, for each of the units of power consumption, a limit value of power usage for a predetermined time period, based on the target power; and

adjustment unit that adjusts, within the predetermined time period, the limit value of each of the units of power consumption within a certain period preceding an end of the predetermined time period, based on an actual result of power usage within the predetermined time period, and does not adjust the limit value of each of the units of power consumption except for the certain period preceding the end of the predetermined time period.