with respect to the electric-power regulation value. The railroad EMS 30 is configured to switch (alleviate) the ~~service~~ operation pattern to the one that is of greater electric power consumption (the second electric power consumption) when it is determined that the margin value with respect to the electric-power regulation value is present. At this time, the railroad EMS 30 is configured to alleviate the operation patterns in sequence from the station facilities 21 of higher priority (for example, the station facilities in a station with many users) out of a plurality of station facilities 21.

[0022] With reference to FIGS. 5 and 6, the alleviation of operation patterns as in the foregoing will be described more specifically. Note that the numerical values illustrated in FIGS. 5 and 6 are merely examples, and are not limited to these.

[0023] FIG. 5 is a table in which each electric power consumption (estimate value) before alleviation of the operation pattern is listed by time zones. In FIG. 5, listed by time zones are the estimate values of the second electric power consumption corresponding to a plurality of operation patterns including three operation patterns each (patterns P11 to P13, P21 to P23, and P31 to P33) for three station EMSs 22 (A station, B station, and C station); the sum of the estimate values of the second electric power consumption (total station electric power); the estimate value of the first electric power consumption corresponding to the present service pattern (total feeding electric power); the sum of the total station electric power and the total feeding electric power (total electric power); the electric-power regulation value; and the margin value with respect to the electric-power regulation value (difference between the electric-power regulation value and the total

pattern.

3. The railroad electric power management system of claim 2, wherein the control system is configured to select the service patterns in sequence in a state in which an operation pattern of least second electric power consumption has been selected out of the operation patterns, and compare the electric-power regulation value with the sum corresponding to the selected service pattern and the operation pattern.

4. The railroad electric power management system of claim 3, wherein the control system is configured to select the service patterns in sequence in descending order of the first electric power consumption.

5. The railroad electric power management system of claim 3, wherein the control system is configured to switch the operation pattern to a first pattern ~~one that is of greater second electric power consumption in a range for which the sum is equal to or less than the electric-power regulation value~~ when the sum corresponding to the determined service pattern and the determined operation pattern is smaller than the electric-power regulation value by a certain value or more, the first pattern being the operation pattern that is of greater second electric power consumption in a range for which the sum is equal to or less than the electric-power regulation value.

6. The railroad electric power management system of claim 5, wherein

the station facility includes a plurality of station facilities, and

the control system is configured to switch the

operation pattern to a second pattern, the second pattern being the operation pattern ~~one~~ that is of greater second electric power consumption in sequence from the station facilities of higher priority out of the station facilities.