ABSTRACT

A device operation setting value determination apparatus of an embodiment has a forecaster, a margin determining unit, and a schedule determining unit. The forecaster forecasts an energy amount consumed by or supplied to a device. The margin determining unit determines a margin of the forecast value of energy amount as a margin for bidding a negawatt amount. The margin determining unit appends the determined margin to the forecast value of the energy amount. The schedule determining unit determines a setting value that establishes operation of the device, based on the forecast value of the energy amount to which the margin has been appended, device energy characteristics, and an incentive unit amount in a demand response.