ABSTRACT

An operation plan generation device of an embodiment includes a consumption amount computer, a cost computer, and an operation plan generator. The consumption amount computer is configured to compute an amount of primary energy consumption by a plurality of energy supply devices that generates energy to be supplied to a load. The cost computer is configured to compute a total cost for the plurality of energy supply devices to generate energy to be supplied to the load. The operation plan generator is configured to generate an operation plan for the plurality of energy supply apparatuses to achieve at least one of a target relating to the amount of primary energy consumption and a target relating to the total cost, based on the amount of primary energy consumption computed by the consumption amount computer, and on the total cost computed by the cost computer.