

ABSTRACT

A plant operation assistance device includes a fuel procurement plan determination unit configured to determine a fuel procurement plan capable of realizing an operation plan by
5 acquiring device information related to devices that constitute a fuel combustion plant, an operation plan which is a plan related to the operation of the fuel combustion plant operated by a plant operator, and candidate fuel information including at least one of a fuel property, an available amount, and a fuel cost of each of a plurality of types of fuel provided from a plurality of fuel suppliers, and determining a procurement amount of each of the plurality of
10 types of fuel supplied by each of the plurality of fuel suppliers for each prescribed period on the basis of the candidate fuel information, the operation plan, and the device information of the at least one of devices.