What is claimed is:

1. A data center management system comprising:

an arithmetic device; and

a storage device, wherein

the storage device stores data center candidate management information and application program type candidate management information,

the data center candidate management information is used for managing information on a plurality of data center candidates,

information on each data center candidate of the plurality of data center candidates indicates a characteristic of renewable energy supplied to each data center candidate, the characteristic of renewable energy indicating a level of fluctuation in a renewable energy amount supplied to each data center candidate,

the application program type candidate management information is used for managing information on a plurality of application program type candidates,

information on each application program type candidate of the plurality of application program type candidates indicates a characteristic of each application program type candidate, the characteristic of each application program type candidate indicating a level of flexibility of power

consumption control of each application program type candidate, and

the arithmetic device

determines, with reference to the data center candidate management information and the application program type candidate management information, a plurality of combinations each including one or more data center candidates and one or more application program type candidates,

determines, with reference to the data center candidate management information and the application program type candidate management information, a score of each combination of the plurality of combinations based on a matching degree between the level of fluctuation in the renewable energy amount supplied to each of the one or more data center candidates and the level of flexibility of power consumption control of each of the one or more application program type candidates, and

selects, based on the score, a combination to be presented from the plurality of combinations.

2. The data center management system according to claim 1, wherein

a condition for selecting the combination by the arithmetic device is that renewable energy supplied to the

one or more data center candidates is equal to or greater than a threshold designated by a user.

3. The data center management system according to claim 1, wherein

the information on each application program type candidate of the plurality of application program type candidates includes information on a profit of the application program type candidate,

the arithmetic device determines a predicted profit value of the combination to be presented based on the information on the profit, and

information on a renewable energy supply amount of one or more data center candidates of the combination to be presented and the predicted profit value are included in information on the combination to be presented.

4. The data center management system according to claim 1, wherein

the information on each data center candidate of the plurality of data center candidates indicates information on performance of each data center candidate,

the information on each application program type candidate of the plurality of application program type candidates indicates information on requested performance

of each application program type candidate, and

the arithmetic device determines the score based on the information on the performance of the data center candidate and the information on the requested performance of the application program type candidate.

5. The data center management system according to claim 1, wherein

the information on each data center candidate of the plurality of data center candidates indicates priority of each data center candidate, and

the arithmetic device determines the score based on the priority.

6. The data center management system according to claim 1, wherein

the arithmetic device determines the score based on a relation between ranges of power generation sources configured to supply renewable energy to each of the one or more data center candidates.

7. A method for managing a data center by a system, the method comprising:

by the system,

storing data center candidate management information

and application program type candidate management information;

the data center candidate management information being used for managing information on a plurality of data center candidates,

information on each data center candidate of the plurality of data center candidates indicating a characteristic of renewable energy supplied to each data center candidate, the characteristic of renewable energy indicating a level of fluctuation in a renewable energy amount supplied to each data center candidate, the application program type candidate management information being used for managing information on a plurality of application program type candidates,

information on each application program type candidate of the plurality of application program type candidates indicating a characteristic of each application program type candidate, the characteristic of each application program type candidate indicating a level of flexibility of power consumption control of each application program type candidate,

determining, with reference to the data center candidate management information and the application program type candidate management information, a plurality of combinations each including one or more data center

candidates and one or more application program type candidates;

determining, with reference to the data center candidate management information and the application program type candidate management information, a score of each combination of the plurality of combinations based on a matching degree between the level of fluctuation in the renewable energy amount supplied to each of the one or more data center candidates and the level of flexibility of power consumption control of each of the one or more application program type candidates; and

selecting, based on the score, a combination to be presented from the plurality of combinations.