CLAIMS

1. A method to be executed by an information processing device, the method comprising:

determining whether a state of charge of a first vehicle parked in a parking space provided with charging equipment is equal to or higher than a first threshold;

determining whether a future demand for the charging equipment is high based on a predetermined criterion; and

outputting an instruction to move the first vehicle from the parking space when determining that the state of charge of the first vehicle is equal to or higher than the first threshold and the future demand for the charging equipment is high;

acquiring the number of second vehicles heading for an area including the parking space the second vehicles each having a current state of charge or a predicted state of charge at a time of arrival at the area lower than a second threshold; and

determining that the future demand for the charging equipment is high when the number of the second vehicles is equal to or larger than a first specified number.

2. The method according to claim 1, wherein the instruction includes an instruction to move the first vehicle from the parking space before estimated times when the second vehicles arrive at the area.

3. The method according to any one of claims 1 to 2, further comprising:

acquiring the number of third vehicles expected to use the charging equipment in a predetermined time frame in a future; and

determining that the future demand for the charging equipment is high when the number of the third vehicles is equal to or larger than a second specified number.

4. The method according to claim 3, wherein the instruction includes an instruction to move the first vehicle from the parking space before the predetermined time frame.

5. The method according to any one of claims 1 to 4, further comprising:

requesting a user of the first vehicle to accept movement of the first vehicle from the parking space; and

not outputting the instruction when the user has not accepted.

6. The method according to any one of claims 1 to 5, further comprising determining the first threshold based on a future usage schedule or a past usage record of the first vehicle.

7. An information processing device comprising a controller configured to:

determine whether a state of charge of a first vehicle parked in a parking space provided with charging equipment is equal to or higher than a first threshold;

determine whether a future demand for the charging equipment is high based on a predetermined criterion; and

output an instruction to move the first vehicle from the parking space when determining that the state of charge of the first vehicle is equal to or higher than the first threshold and the future demand for the charging equipment is high;

acquire the number of second vehicles heading for an area including the parking space the second vehicles each having a current state of charge or a predicted state of charge at a time of arrival at the area lower than a second threshold; and

determine that the future demand for the charging equipment is high when the number of the second vehicles is equal to or larger than a first specified number.

8. The information processing device according to claim 7, wherein the controller is configured to output, as the instruction, an instruction to move the first vehicle from the parking space before estimated times when the second vehicles arrive at the area.

9. The information processing device according to any one of claims 7 to 8, wherein the controller is configured to:

acquire the number of third vehicles expected to use the charging equipment in a predetermined time frame in a future; and

determine that the future demand for the charging equipment is high when the number of the third vehicles is equal to or larger than a second specified number.

10. The information processing device according to claim 9, wherein the controller is configured to output, as the instruction, an instruction to move the first vehicle from the parking space before the predetermined time frame.

11. The information processing device according to any one of claims 7 to 10, wherein:

the controller is configured to request a user of the first vehicle to accept movement of the first vehicle from the parking space; and

the controller is configured not to output the instruction when the user has not accepted.

12. The information processing device according to any one of claims 7 to 11, wherein the controller is configured to determine the first threshold based on a future usage schedule or a past usage record of the first vehicle.

13. A non-transitory storage medium storing a program that is executable by a computer and that causes the computer to perform functions comprising:

determining whether a state of charge of a first vehicle parked in a parking space provided with charging equipment is equal to or higher than a first threshold;

determining whether a future demand for the charging equipment is high based on a predetermined criterion; and

outputting an instruction to move the first vehicle from the parking space when determining that the state of charge of the first vehicle is equal to or higher than the first threshold and the future demand for the charging equipment is high;

acquiring the number of second vehicles heading for an area including the parking space the second vehicles each having a current state of charge or a predicted state of charge at a time of arrival at the area lower than a second threshold; and

determining that the future demand for the charging equipment is high when the number of the second vehicles is equal to or larger than a first specified number.

14. The non-transitory storage medium according to claim 13, wherein the instruction includes an instruction to move the first vehicle from the parking space before estimated times when the second vehicles arrive at the area.

15. The non-transitory storage medium according to any one of claims 13 to 14, wherein the functions further comprise:

acquiring the number of third vehicles expected to use the charging equipment in a predetermined time frame in a future; and

determining that the future demand for the charging equipment is high when the number of the third vehicles is equal to or larger than a second specified number.

16. The non-transitory storage medium according to claim 15, wherein the instruction includes an instruction to move the first vehicle from the parking space before the predetermined time frame.

17. The non-transitory storage medium according to any one of claims 13 to 16, wherein the functions further comprise:

requesting a user of the first vehicle to accept movement of the first vehicle from the parking space; and

not outputting the instruction when the user has not accepted.