CLAIMS

1. A method for providing treated water, the method comprising:

introducing water to be treated into a water treatment system;

treating the water to be treated in the water treatment system to produce a treated water;

measuring a quality parameter of the treated water; and

determining an amount of contaminant removed from the water to be treated over a predetermined period of time from a totalized flow of the treated water and an average difference in the quality parameter between the treated water and the water to be treated over the predetermined period of time.

2. The method of claim 1, further comprising measuring the quality parameter and flow rate of the water to be treated that is introduced into the water treatment system.

3. The method of claim 1, further comprising adjusting a base charge based on the amount of contaminant removed.

4. The method of claim 3, further comprising determining a number of grains of contaminant removed from the water to be treated over the predetermined period of time from the amount of contaminant removed from the water to be treated over the predetermined period of time.

5. The method of claim 4, further comprising applying a fee adjustment credit to the base charge if the grains of contaminant removed from the water to be treated is less than a first expected quantity.

6. The method of claim 5, further comprising applying an additional fee adjustment credit to the base charge if the grains of contaminant removed from the water to be treated is less than a second expected quantity, the second expected quantity being less than the first expected quantity.

7. The method of claim 4, further comprising applying a fee adjustment surcharge to the base charge if the grains of contaminant removed from the water to be treated is greater than a third expected quantity.

8. The method of claim 7, further comprising applying an additional fee adjustment surcharge to the base charge if the grains of contaminant removed from the water to be treated is greater than a fourth expected quantity, the fourth expected quantity being greater than the third expected quantity.

9. The method of claim 7, wherein the first expected quantity is the same as the third expected quantity.

10. The method of claim 7, wherein the first expected quantity is different from the third expected quantity.

11. The method of claim 5, wherein measuring the quality parameters of the water to be treated and of the treated water includes measuring conductivity of the water to be treated and of the treated water.

12. The method of claim 5, wherein measuring the quality parameters of the water to be treated and of the treated water includes measuring a total dissolved solids (TDS) concentration of the water to be treated and of the treated water.

13. The method of claim 12, wherein measuring the TDS concentration of the water to be treated and of the treated water includes measuring the concentration of one or more specific dissolved species in the water to be treated and in the treated water.

14. The method of claim 13, further comprising determining at least one of the base charge, fee adjustment credit, or the fee adjustment surcharge based on grains of the one or more specific dissolved species removed from the water to be treated.

15. The method of claim 14, further comprising assigning a different charge to the at least one of the base charge, fee adjustment credit, or the fee adjustment surcharge for a same amount of grains of different ones of the one or more specific dissolved species removed from the water to be treated.