Claims

1. A system comprising:

a plurality of low power cells; and

a connector node in communication with the plurality of low power cells, the connector node configured to:

receive a set of demands from each one of the plurality of low power cells, each one of the set of demands ~~indicating a demand~~ being reported by and indicating a desired parameter for one of the plurality of low power cells at a predetermined time,

~~the connector node further configured to~~ determine a particular backhaul rate for each of the plurality of low power cells based on the set of demands received ~~of each of the low power cells~~ and ~~the~~ a set of assigned backhaul rates associated with ~~rate of the other of~~ the plurality of low power cells, and

~~to~~ allocate capacity based on the ~~determined~~ particular backhaul rates.

2. The system of claim 1, wherein at least one of the plurality of low power cells is a picocell.

3. The system of claim 1, wherein at least one of the plurality of low power cells is a femtocell.

4. The system of claim 1, further comprising a core network wherein the connector node is in further communication with the core network.

5. The system of claim 1, wherein each of the plurality of low power cells is configured to determine a given demand based on a current demand and an expected demand at the predetermined time.

6. The system of claim 1, wherein each of the plurality of low power cells is configured to determine a given demand based on a quality of service of one or more users of the low power cells.

7. The system of claim 1, wherein the connector node configured to determine the particular backhaul rate for each of the plurality of low power cells comprises the connector node configured to determine a difference between each of the set of demands ~~from the~~

~~plurality of low power cells~~ and each of the set of assigned backhaul rates ~~for each of the low power cells~~, sum the differences, and determine the ~~assigned~~ particular backhaul rates based on a minimum of the sum.

8. The system of claim 7, wherein the difference between at least one of the set of demands from the plurality of low power cells and at least one of the assigned backhaul rates is weighted.

9. The system of claim 1, wherein a channel between the connector node and at least one of the plurality of low power cells is near-line-of-sight.

10. The system of claim 1 wherein the connector node changes the predetermined time based on an observed history of usage of the low power cells.

11. A method comprising:

receiving a set of demands, by a connector node from each of a plurality of low power cells, each one of the set of demands ~~indicating a demand~~ being reported by and indicating a desired parameter for one of the plurality of low power cells at a predetermined time;

determining, by the connector node, a particular backhaul rate for each of the plurality of low power cells based on the set of demands received ~~of each of the low power cells for the predetermined time as well as the~~ and a set of assigned backhaul rates associated with ~~rate of the other of~~ the plurality of low power cells; and

allocating capacity, by the connector node, based on the ~~determined~~ particular backhaul rates.

12. The method of claim 11, wherein at least one of the plurality of low power cells is a picocell.

13. The method of claim 11, wherein at least one of the plurality of low power cells is a femtocell.

14. The method of claim 11, further comprising passing information, by the connector node, from at least one of the plurality of low power cells to a core network.

15. The method of claim 11, further comprising determining, by each of the plurality of low power cells, a given demand based on a current demand and an expected demand at the predetermined time.

16. The method of claim 11, further comprising determining, by each of the plurality of low power cells, a given demand based on a quality of service of one or more users of the low power cells.

17. The method of claim 11, determining, by the connector node, ~~a~~ the particular backhaul rate for each of the plurality of low power cells comprises determining a difference between each of the set of demands ~~from the plurality of low power cells~~ and each of the set of assigned backhaul rates ~~for each of the low power cells~~, sum~~ming~~ the differences, and determine~~ing~~ the ~~assigned~~ particular backhaul rates based on a minimum of the sum.

18. The method of claim 17, wherein the difference between at least one of the set of demands from the plurality of low power cells and at least one of the assigned rates is weighted.

19. The method of claim 11, wherein a channel between the connector node and at least one of the plurality of low power cells is near-line-of-sight.

20. The method of claim 11, changing, by the connector node, the predetermined time based on an observed history of usage of the low power cells.

21. A non-transitory computer readable media configured to store executable instructions, the instructions being executable by a processor to perform a method, the method comprising:

receiving a set of demands, by a connector node from each of a plurality of low power cells, each one of the set of demands ~~indicating a demand~~ being reported by and indicating a desired parameter for one of the plurality of low power cells at a predetermined time;

determining, by the connector node, a particular backhaul rate for each of the plurality of low power cells based on the set of demands received ~~of each of the low power cells for the predetermined time as well as the~~ and a set of assigned backhaul rates associated with ~~rate of the other of~~ the plurality of low power cells; and

allocating capacity, by the connector node, based on the ~~determined~~ particular backhaul rates.