WHAT IS CLAIMED IS:

1. A method comprising:

receiving, by a first node in a mesh network from a second node in the mesh network, based on a request by the first node, a first battery life metric related to a remaining battery life of the second node and that is in relation to a path through the mesh network to a fourth node;

determining, by the first node, a value representing a remaining battery life of the first node;

calculating, by the first node, a second battery life metric based on at least one of the first battery life metric for the path or the value representing the remaining battery life for the first node; and

transmitting, by the first node to a third node in the mesh network, based on a request by the third node, the second battery life metric.

2. The method of claim 1, wherein the path is between the second node and the fourth node in the mesh network.

3. The method of claim 1, wherein the second battery life metric is for a path between the first node and the fourth node in the mesh network.

4. The method of claim 1, wherein the first battery life metric is based on a minimum battery life from among respective remaining battery lives of individual nodes of a plurality of nodes along the path.

5. The method of claim 1, wherein the first battery life metric comprises a composite metric based on respective remaining battery lives of individual nodes of a plurality of nodes along the path.

6. The method of claim 5, wherein the composite metric is based on a value calculated by multiplying together the respective remaining battery lives of the individual

nodes of the plurality of nodes along the path.

7. The method of claim 1, further comprising in response to determining that the first node is designated as a sacrificial node, increasing, by the first node, the value representing the remaining battery life of the first node.

8. The method of claim 1, further comprising in response to determining that the first node is designated as a sacrificial node, calculating, by the first node, the second battery life metric independent of the value representing the remaining battery life for the first node.

9. The method of claim 1, further comprising:

receiving, by the first node in the mesh network, respective battery life metrics for individual paths in a set of paths from the first node to the fourth node in the mesh network;

selecting, by the first node, a first path from the set of paths based on the respective battery life metrics; and

transmitting, by the first node, a message to the fourth node using the first path.

10. The method of claim 9, wherein selecting the first path based on the respective battery life metrics comprises determining that a first respective battery life metric for the first path is a largest one of the respective battery life metrics.

11. The method of claim 9, wherein selecting the first path based on the respective battery life metrics comprises:

determining that a first respective battery life metric for the first path is a largest one of the of the respective battery life metrics;

determining that the first respective battery life metric is equal to a second respective battery life metric for a second path from the set of paths;

determining that the first path includes a sacrificial node; and

determining that the second path does not include a sacrificial node.

12. The method of claim 9, wherein a first respective battery life metric for the first path is received from the second node that is a neighboring node of the first node that is along the first path.

13. The method of claim 9, wherein a first respective battery life metric for the first path is a composite metric based on respective remaining battery lives of individual nodes of a plurality of nodes along the first path.

14. The method of claim 13, wherein the composite metric is based on a value computed by multiplying together the respective remaining battery lives of the individual nodes of the plurality of nodes along the first path.

15. The method of claim 9, wherein a first respective battery life metric for the first path is based on a minimum battery life from among respective remaining battery lives of individual nodes of a plurality of nodes along the first path.

16. A first node in a mesh network, comprising:

one or more processors; and

a memory storing executable instructions that, when executed by the one or more processors, cause the one or more processors to:

receive, from a second node in the mesh network, based on a request by the first node, battery life information related to a remaining battery life of the second node and that is in relation to a path through the mesh network to a fourth node;

determine an amount indicating a remaining battery life of the first node;

determine a battery metric based on at least one of the battery life information for the path or the amount indicating the remaining battery life of the first node; and

send, to a third node in the mesh network, based on a request by the third node, the battery metric.

17. The first node of claim 16, wherein the battery life information comprises a table that includes respective remaining battery life information for individual nodes of a plurality of nodes along the path.

18. The first node of claim 16, wherein the battery life information comprises a composite battery life metric based on respective remaining battery information of individual nodes of a plurality of nodes along the path.

19. The first node of claim 18, wherein to determine the battery metric, the one or more processors are caused to multiply the amount indicating the remaining battery life of the first node and the composite battery life metric to generate the battery metric.

20. The first node of claim 18, wherein to determine the battery metric for the path, the one or more processors are caused to select a smaller of the amount indicating the remaining battery life of the first node and the composite battery life metric as the battery metric.