WHAT IS CLAIMED IS:

1. A wind turbine rotor comprising:
   an axle;
   a plurality of primary blades disposed at regular intervals around the axle; and
   a plurality of secondary blades disposed around the axle between primary blades of the plurality of primary blades, each secondary blade of the plurality of secondary blades being smaller than each primary blade of the plurality of primary blades, each secondary blade of the plurality of secondary blades being positioned such that each secondary blade provides a shielding effect to an adjacent following primary blade of the plurality of primary blades opposite a direction of a rotation of the wind turbine rotor, the shielding effect comprising causing a displacement of wind flow against the rotation away from the adjacent following primary blade.

2. The wind turbine rotor of claim 1, wherein a length of each of the secondary blades is in a range of 20% to 50% of an outer diameter of the wind turbine rotor.

3. The wind turbine rotor of claim 1, wherein an apex point of each of the secondary blades is 40% to 90% along a length of each of the secondary blades from an inner circumference point of each of the secondary blades.

4. The wind turbine rotor of claim 1, wherein a length of each of the secondary blades is 20% to 85% of the length of at least one primary blade.

5. The wind turbine rotor of claim 1, wherein an inner circumference point of each of the secondary blades is 45% to 85% along a radius extending from the axle to an outer diameter of the wind turbine rotor.

6. The wind turbine rotor of claim 1, wherein an inner circumference point of each of the secondary blades is further from the axle than an inner circumference point of each of the primary blades.

7. The wind turbine rotor of claim 1, wherein an area at an exit point between each of the secondary blades and each of the primary blades is smaller than an area at an entry point between each of the secondary blades and each of the primary blades.

8. The wind turbine rotor of claim 1, wherein an area at an exit point between each of the secondary blades and each of the primary blades is between 65% and 90% of an area at an entry point between each of the secondary blades and each of the primary blades.

9. The wind turbine rotor of claim 1, wherein an inner circumference point of each of the primary blades is 5% to 50% along a radius from the axle to an outer diameter of the wind turbine rotor.

10. The wind turbine rotor of claim 1, wherein a length of each of the primary blades is 40% to 90% of a diameter of the wind turbine rotor.

11. The wind turbine rotor of claim 1, wherein a curvature depth of each of the primary blades is 10% to 60% of a length of each of the primary blades.

12. The wind turbine rotor of claim 1, further comprising a plurality of tertiary blades disposed between the plurality of primary blades and the plurality of secondary blades.

13. The wind turbine rotor of claim 12, wherein each tertiary blade of the plurality of tertiary blades is smaller than each of the secondary blades of the plurality of secondary blades.

14. The wind turbine rotor of claim 12, wherein each tertiary blade of the plurality of tertiary blades has a relative length of 10% to 25% of a diameter of the wind turbine rotor.

15. The wind turbine rotor of claim 12, wherein each tertiary blade of the plurality of tertiary blades has a curvature depth of 8% to 22% of a length of each of the tertiary blades.

16. The wind turbine rotor of claim 1, wherein the axle of the wind turbine rotor is disposed vertically.

17. The wind turbine rotor of claim 1 , wherein the axle of the wind turbine rotor is disposed horizontally.

18. A wind turbine system for generating electricity, the wind turbine system comprising:
an electric generator; and
a wind turbine rotor comprising:
an axle mechanically coupled to the generator;
a plurality of primary blades disposed at regular intervals around the axle; and
a plurality of secondary blades disposed around the axle between primary blades of the plurality of primary blades, each secondary blade of the plurality of secondary blades being smaller than each primary blade of the plurality of primary blades, each secondary blade of the plurality of secondary blades being positioned such that each secondary blade provides a shielding effect to an adjacent following primary blade of the plurality of primary blades opposite a direction of a rotation of the wind turbine rotor, the shielding effect comprising causing a displacement of wind flow against the rotation away from the adjacent following primary blade.

19. The wind turbine system of claim 18, wherein the axle is mechanically coupled directly.

20. The wind turbine system of claim 18, wherein the axle is mechanically coupled using a chain and sprocket, gears, a belt and pulley system, a friction drive, a fluid drive, or a continuous variable transmission (CVT).