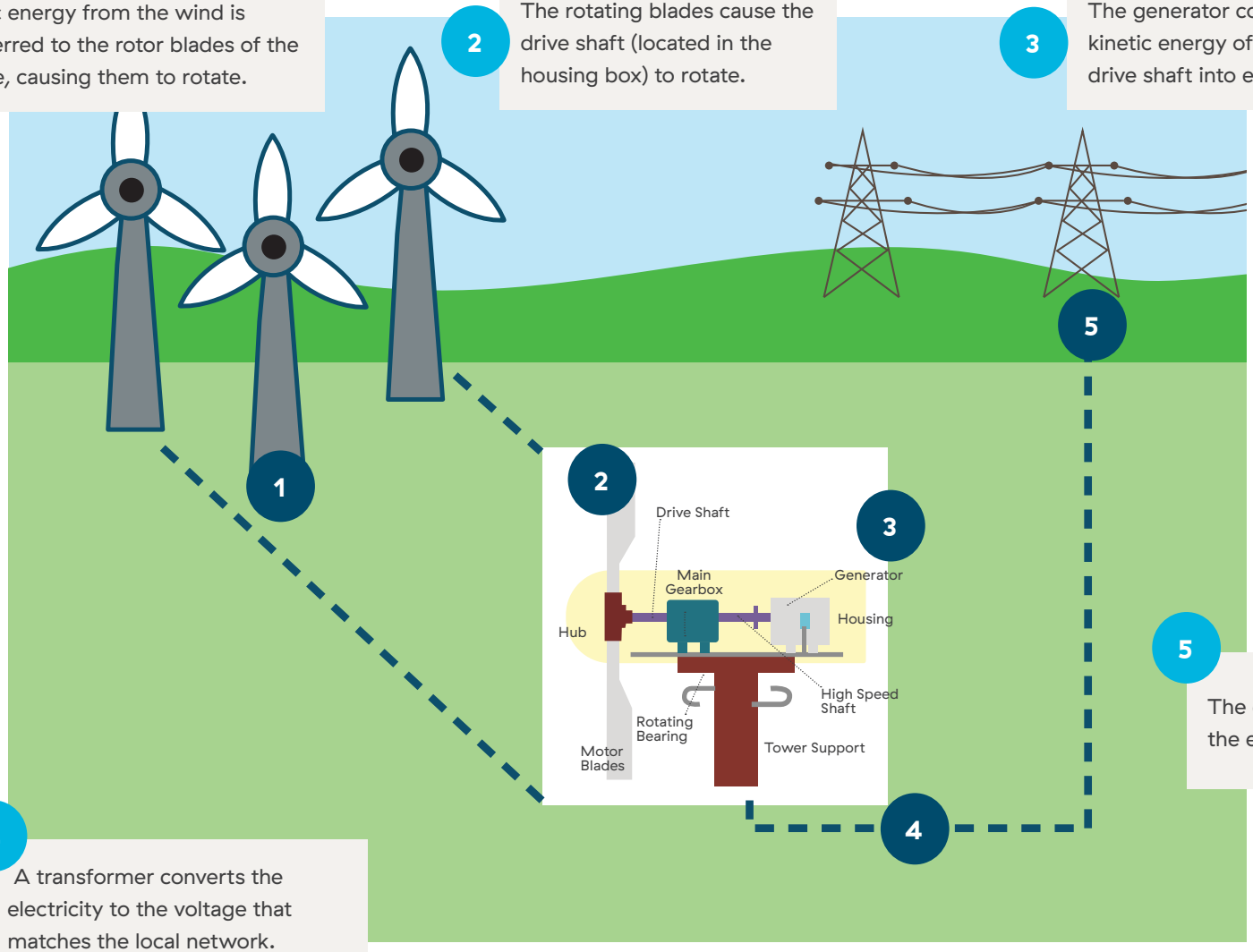
Wind energy

Power Smart for Schools®

1. Kinetic energy from the wind is transferred to the rotor blades of the turbine, causing them to rotate.

2. The rotating blades cause the drive shaft (located in the housing box) to rotate.

3. The generator converts the kinetic energy of the rotating drive shaft into electrical energy.



4. A transformer converts the electricity to the voltage that matches the local network.

5. The electricity is transported to the electrical grid.

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BC Hydro
Power smart