

Augusta Canal National Heritage Area

Grade 3 Science

Hydro Electricity Vocabulary

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| Electricity | The flow of electrons |
| Electrons | A tiny negatively charged particle that orbits the core of an atom. |
| Magnet | object that attracts certain materials |
| Matter | anything that has mass and takes up space |
| Atom | tiny particles that make up matter |
| Energy | The ability to do work |
| Renewable Energy | Forms of energy that derive and quickly replenish from the natural movements and mechanisms of the environment, such as sunshine, wind, movement of the seas and the heat of the Earth |
| Turbine | A device that converts the kinetic energy of a moving fluid (gas or liquid) into electrical energy |
| Generator | machine that changes mechanical energy into electrical energy |
| Water Cycle | The continuous process by which water moves from Earth's surface to the atmosphere and back. |
| Pulley | a grooved wheel around which is wrapped a rope, chain, or cable |
| Shaft | a commonly cylindrical bar used to support rotating pieces or to transmit power or motion by rotation |
| Insulator | Does not give up electrons easily; plastic and glass are good insulators |
| Conductor | Easily gives up electrons; metals are great conductors |
| Fossil Fuel | The capture of energy from the burning of natural gas, coal, or petroleum (oil) |