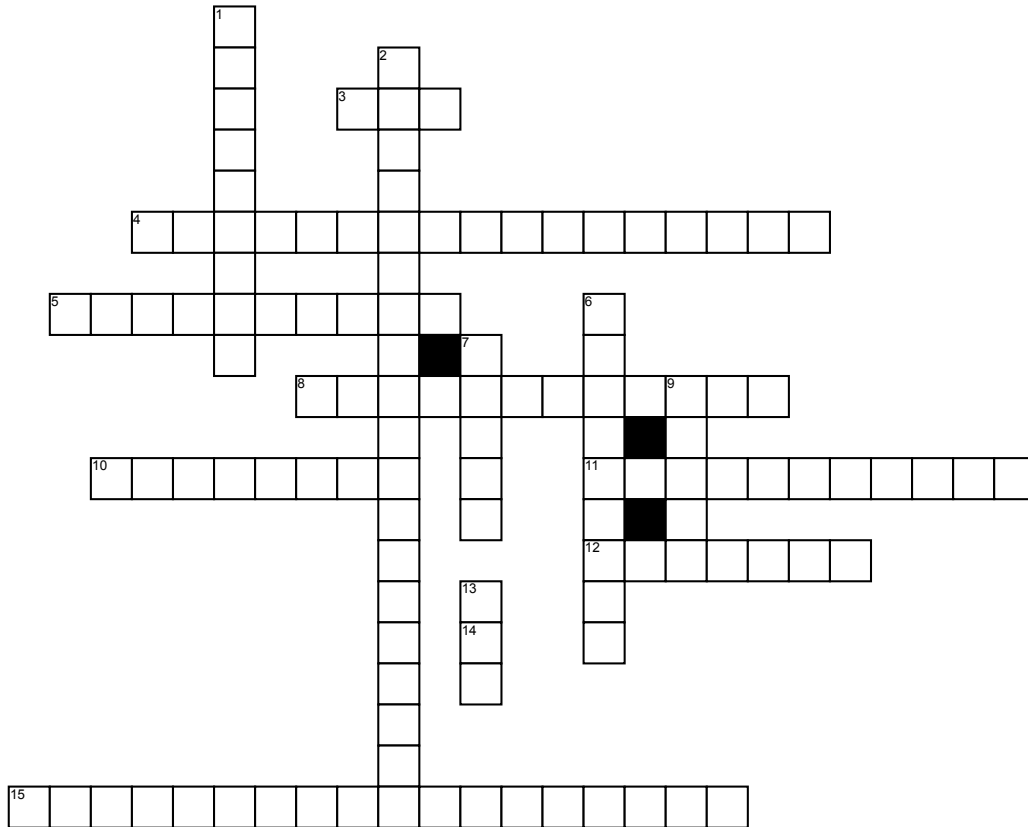


# Energy Crossword



## Across

- 3.** Raises the water level of the river to create falling water  
**4.** Conduct electricity from the hydropower plant to homes and business.  
**5.** Energy That is made by water is processed by  
**8.** The turbine's electronic controller monitors the turbine's power output.  
**10.** generates energy through wind

- 11.** When the wind forces these \_\_\_\_\_ to move, it has transferred some of its energy to the Rotor.  
**12.** The force of falling water pushing against the \_\_\_\_\_ blades causes the \_\_\_\_\_ to spin  
**14.** Watt  
**15.** The blades in this type of power-control system are pitchable.

## Down

- 1.** Converts the mechanical energy from the turbine into electric energy.

- 2.** The blades are mounted to the rotor at a fixed angle.  
**6.** Uses the properties of electromagnetic induction to produce electrical voltage.  
**7.** The rotor transfers its mechanical, rotational energy to the \_\_\_\_\_, which enters an electrical generator on the other end.  
**9.** The energy collector on a windmill  
**13.** Kilowatt-hour

## Word Bank

- |              |               |                      |                       |
|--------------|---------------|----------------------|-----------------------|
| Generator    | Turbine       | Windmill             | Rotor                 |
| Hydropower   | kWh           | W                    | Dam                   |
| Generator    | Pitch control | Transmission lines.  | Passive stall control |
| Rotor blades | Shaft         | Active stall control |                       |