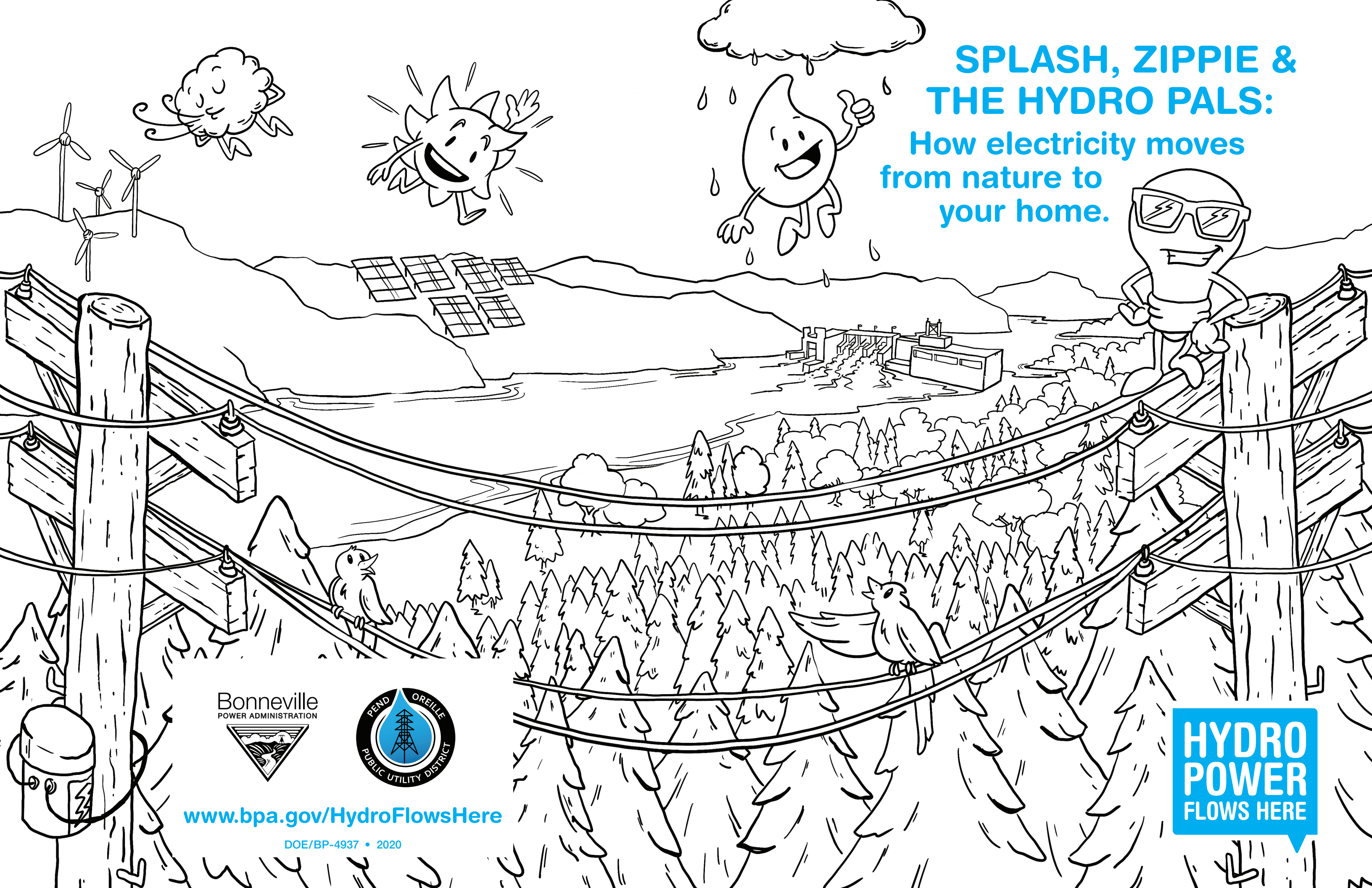
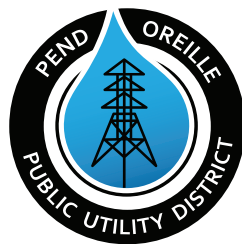


# SPLASH, ZIPPY & THE HYDRO PALS: How electricity moves from nature to your home.



Bonneville  
POWER ADMINISTRATION



[www.bpa.gov/HydroFlowsHere](http://www.bpa.gov/HydroFlowsHere)

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**HYDRO  
POWER  
FLOWS HERE**

What powers your lights and computers? **ELECTRICITY!**

**RENEWABLE** hydropower helps keep the environment **CLEAN**. When the environment is clean, you can play outside!

What types of things do you like to do outside?

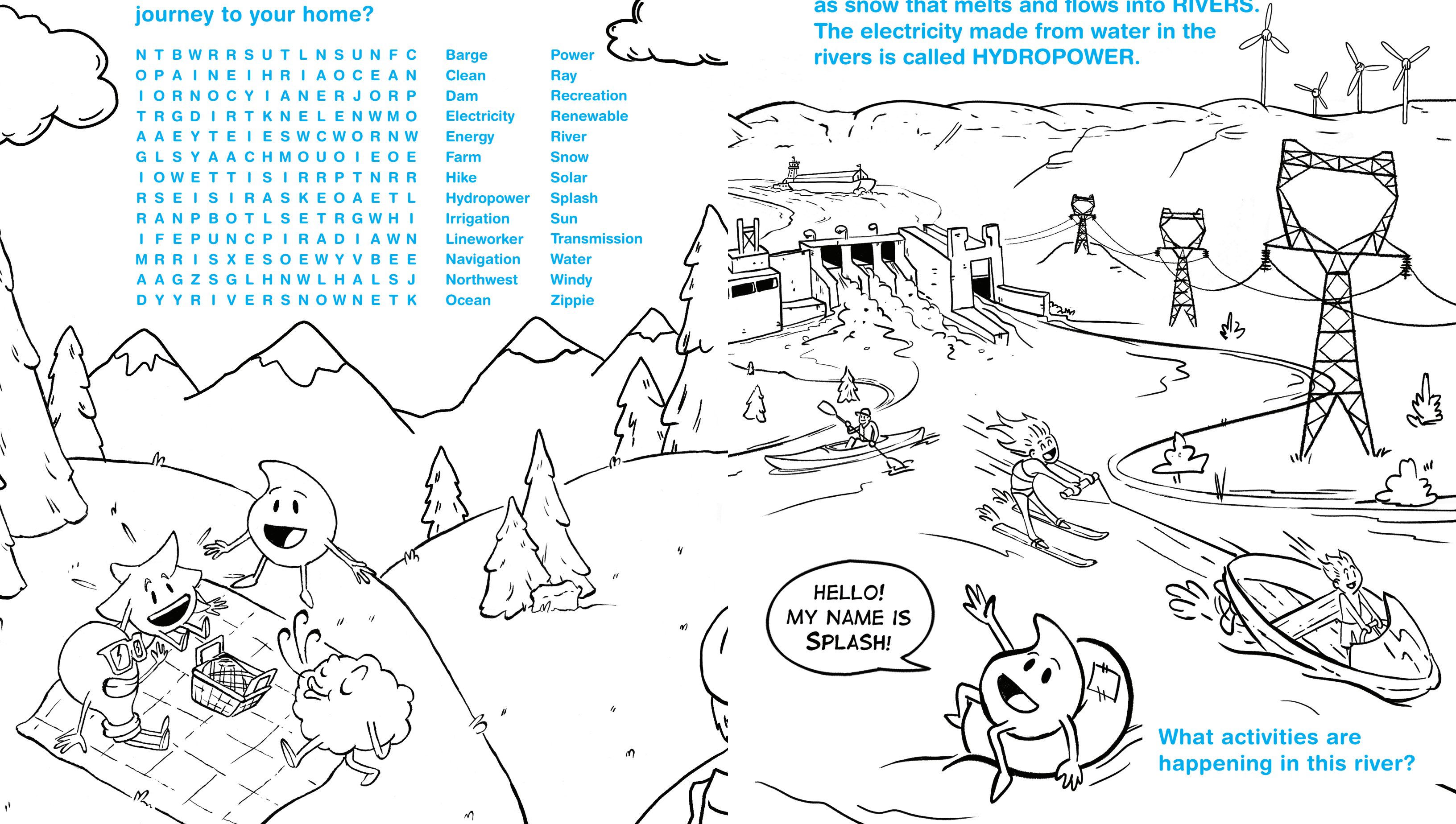


When Splash transforms into Zippie, it is called **HYDROPOWER**. Can you find the words about hydropower and its journey to your home?

NTBWRRSUTLNSUNFC  
 OPAINIHRIOCEAN  
 IORNOCYIANERJORP  
 TRGDIRTKNELENWMO  
 AAETEIESWCORNW  
 GLSYAACHMOUIEOE  
 IOWETTISRRTNR  
 RSEISIRASKEOATL  
 RANPBOTLSETRGWHI  
 IFEPUNCPIRADIAWN  
 MRRISXESOEYVBEE  
 AAGZSGLHNWLHALSJ  
 DYYRIVERSNOWNETK

Barge  
 Clean  
 Dam  
 Electricity  
 Energy  
 Farm  
 Hike  
 Hydropower  
 Irrigation  
 Lineworker  
 Navigation  
 Northwest  
 Ocean  
 Power  
 Ray  
 Recreation  
 Renewable  
 River  
 Snow  
 Solar  
 Splash  
 Sun  
 Transmission  
 Water  
 Windy  
 Zippie

In the Northwest, most electricity comes from **WATER**. It starts off high in the mountains as snow that melts and flows into **RIVERS**. The electricity made from water in the rivers is called **HYDROPOWER**.



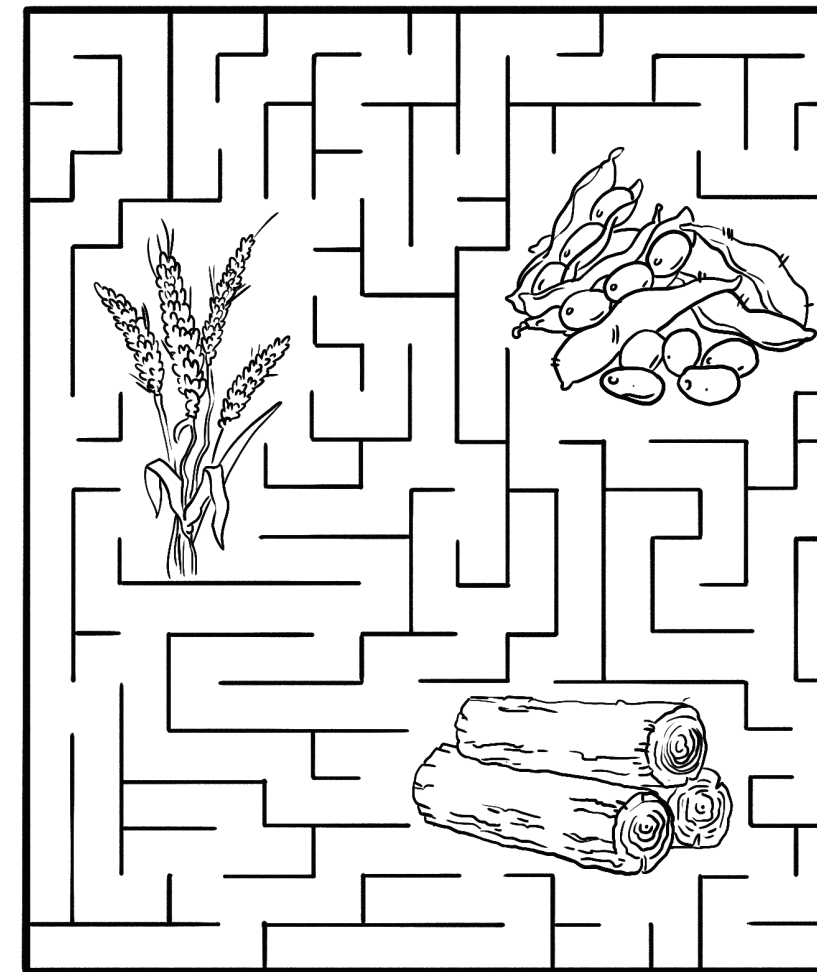
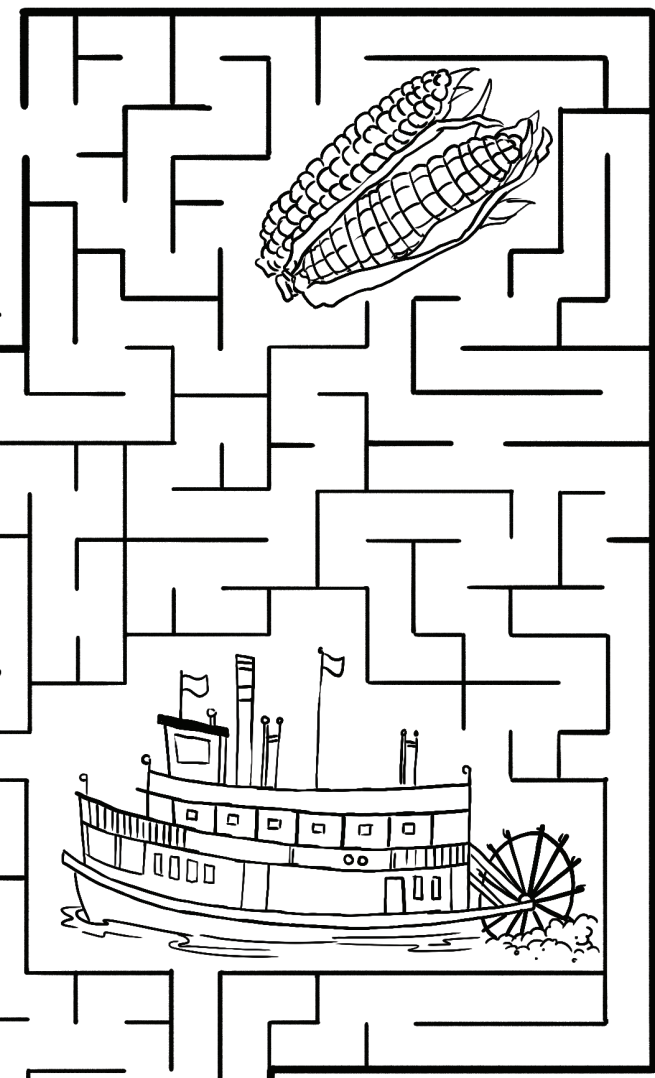
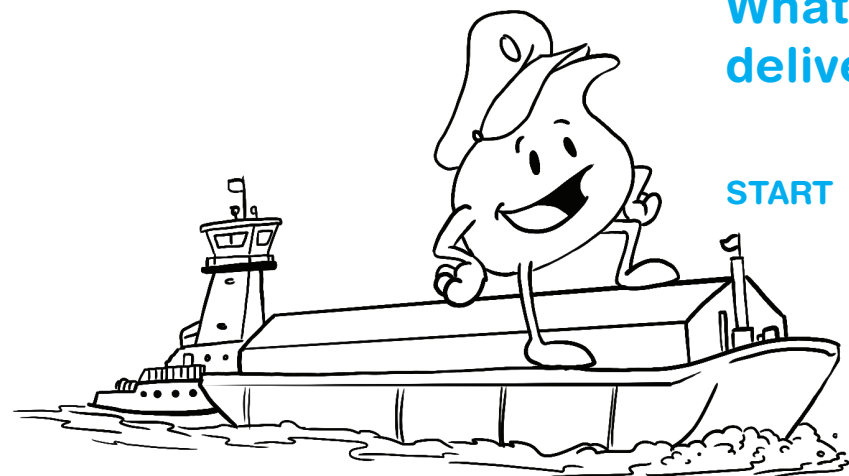
HELLO!  
 MY NAME IS  
 SPLASH!

What activities are happening in this river?

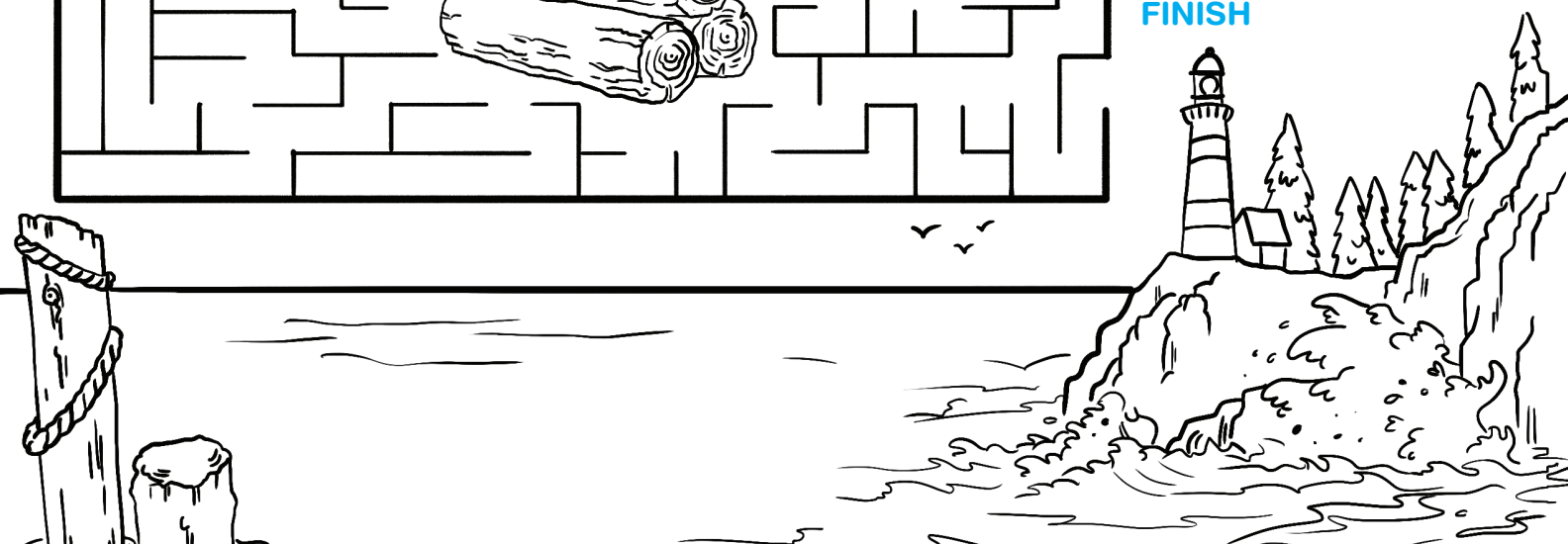
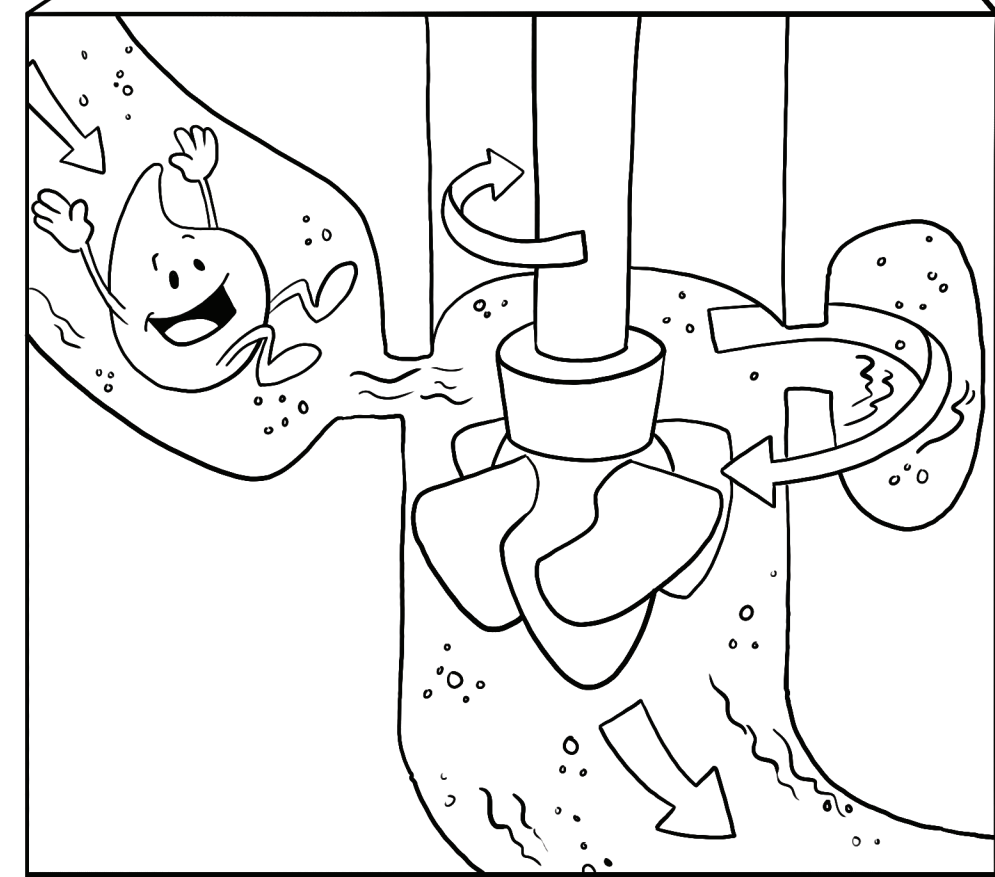


Rivers also help big boats called barges move food and goods from one city to another. Help this barge **NAVIGATE** through the river to the ocean.

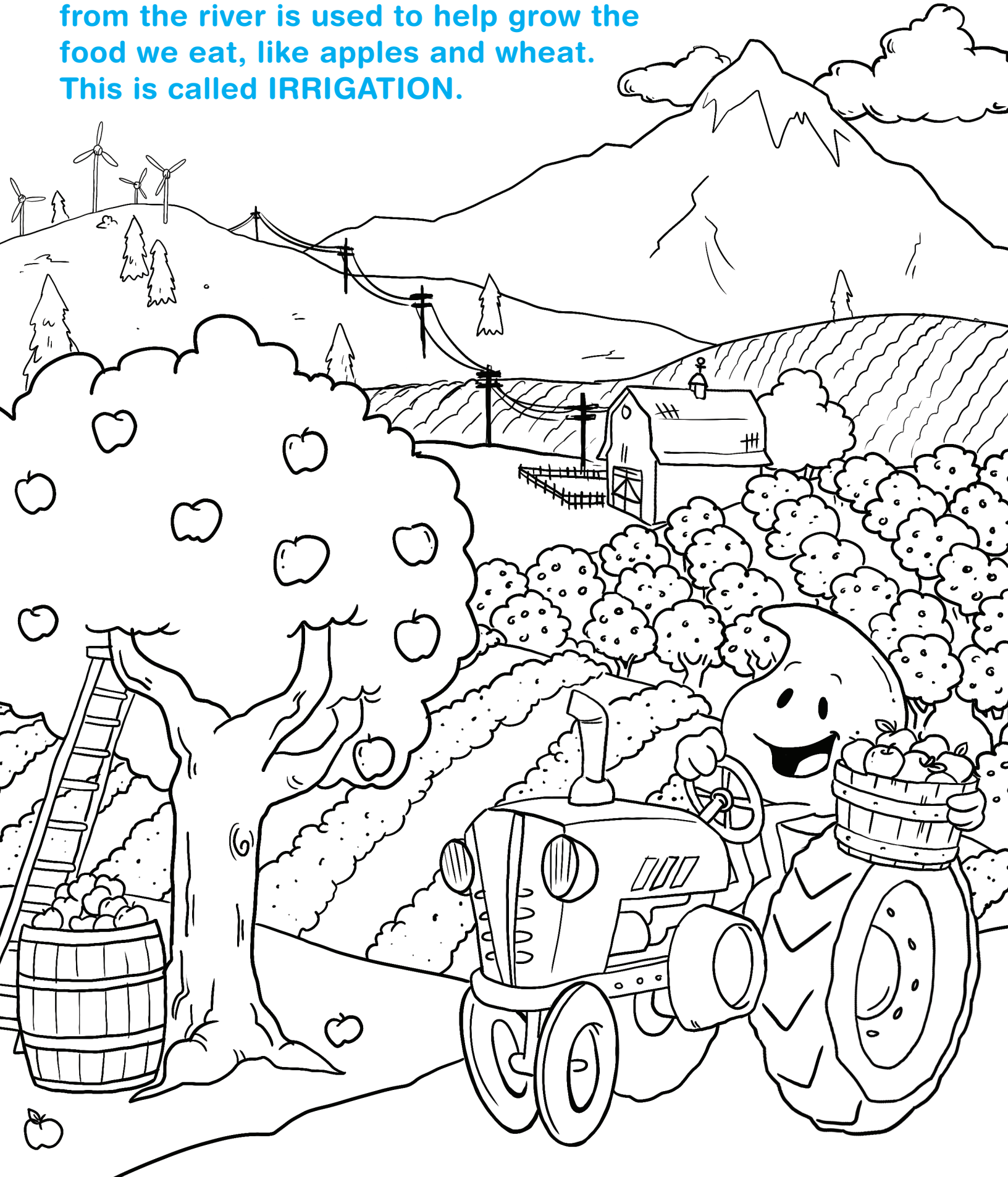
What might this barge be delivering to you?



As **Splash** moves along, he reaches a **HYDROPOWER DAM**. At the dam, **Splash** spins through a big wheel called a turbine. He spins so fast he changes into something new—electricity named **Zippie**.

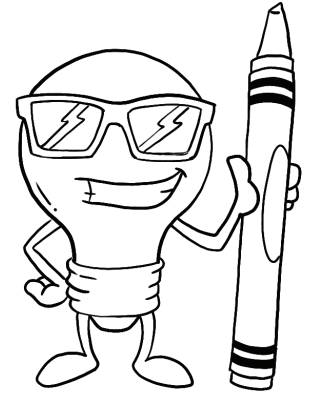


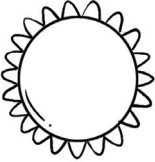
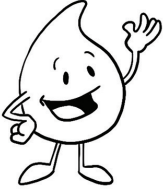


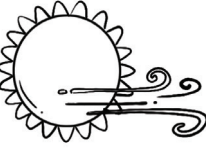
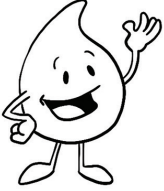

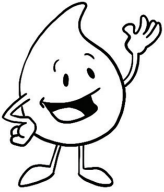
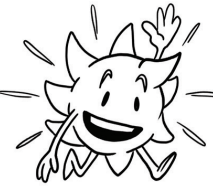


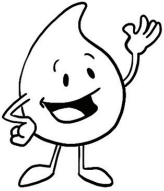

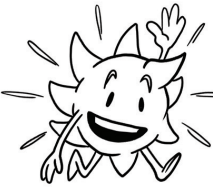
Sometimes Splash travels onto land and helps out on the farm! Water from the river is used to help grow the food we eat, like apples and wheat. This is called IRRIGATION.

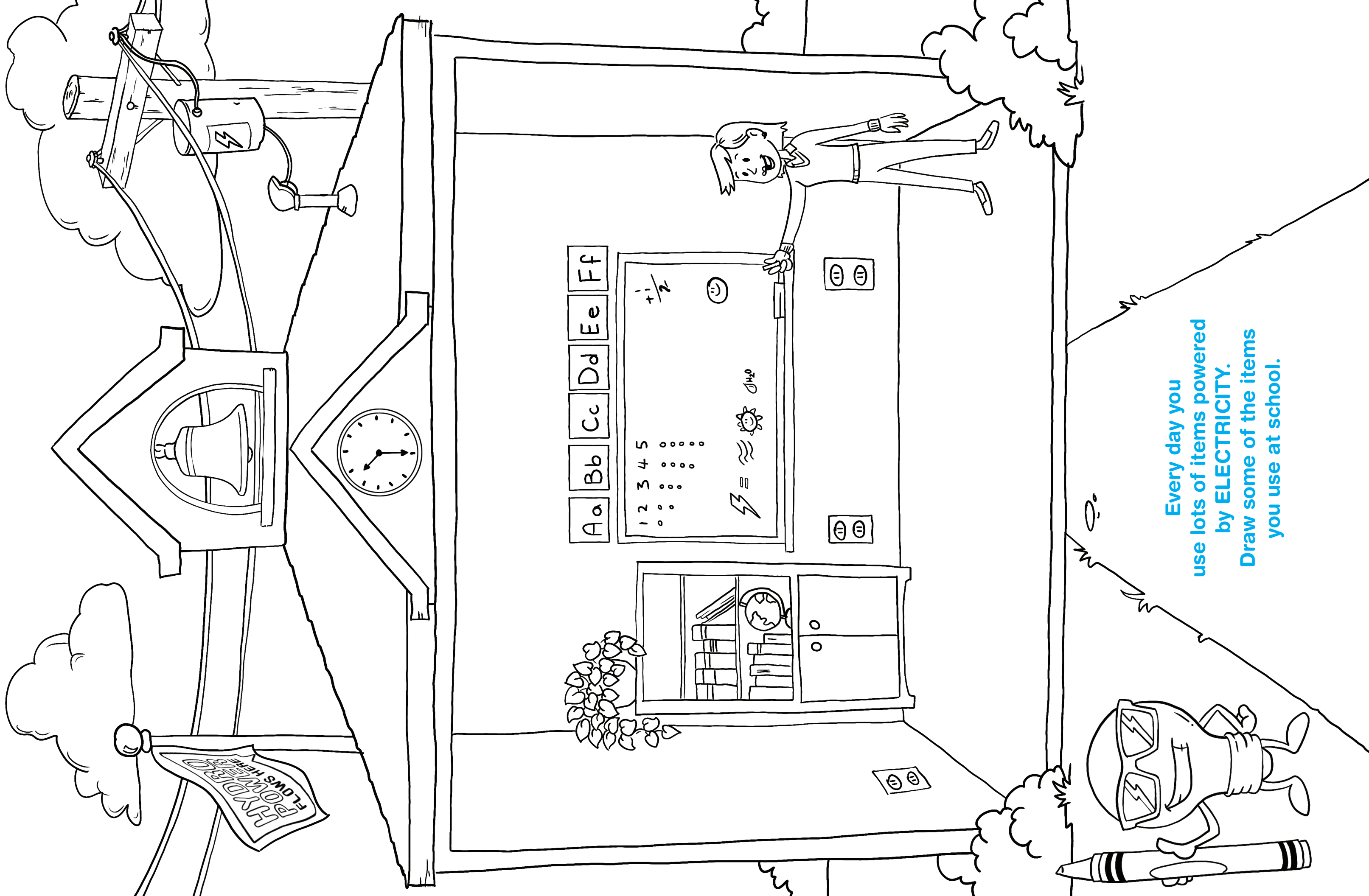


Meet Splash and Zippie's friends, the Hydro Pals! Windy turns into wind energy and Ray turns into solar energy.

Electricity made from nature—like water, wind and sunshine—is called renewable energy. Splash, Windy and Ray are all types of renewable energy! As you can see, no matter what the weather or time of day Splash is constantly generating electricity. Match the weather on the left to the electricity being generated on the right.



1		A	 Splash	 Windy	
2					
3		B	 Splash		
4		C	 Splash	 Ray	
5					
6		D	 Splash	 Windy	 Ray



Every day you use lots of items powered by **ELECTRICITY**. Draw some of the items you use at school.