## **Hydro Power:**

## How Electricity gets from the River to Your House

When you flip on a light switch in your home, electricity makes the light turn on. It makes the wires in the bulb glow bright enough to give off light. But, where does the electricity come from? How does it get to the switch? In the Northwest much of the electricity comes from the rivers that have hydroelectric dams on them.

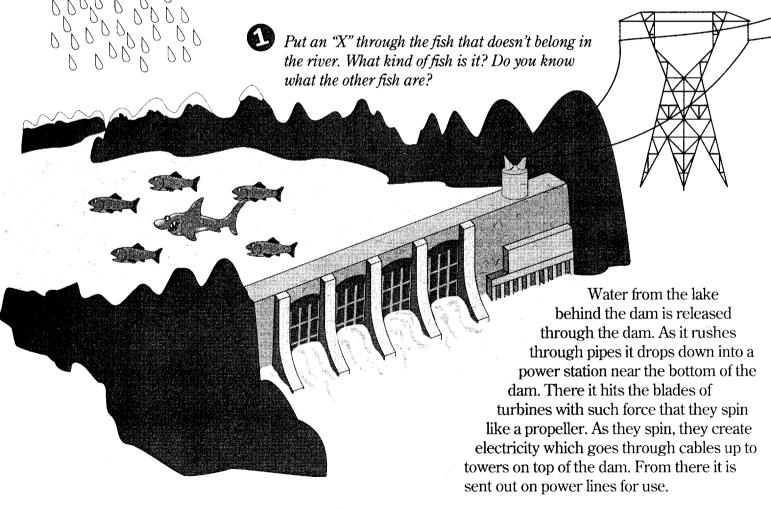
"Hydro" comes from the Greek word for water. Hydroelectric

means electricity made by water. Most of the water used to make electricity is from rivers.

Rain fills the rivers. In the spring the winter snows melt and

make the rivers swell almost to bursting.

Hydro power comes from dams that are built on rivers. A dam holds back river water so a large reservoir forms. The dam also holds back fish who have to swim up and down the river in order to live, but people help the fish. They give them a free ride on water around the dam. That way they can swim out to sea, return and live a healthy, normal life.

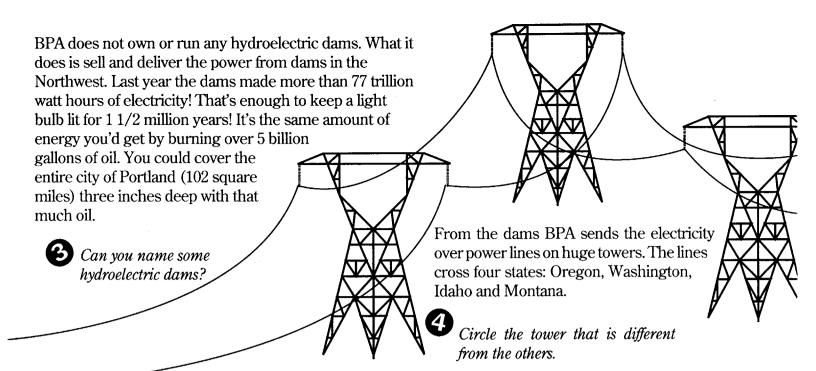


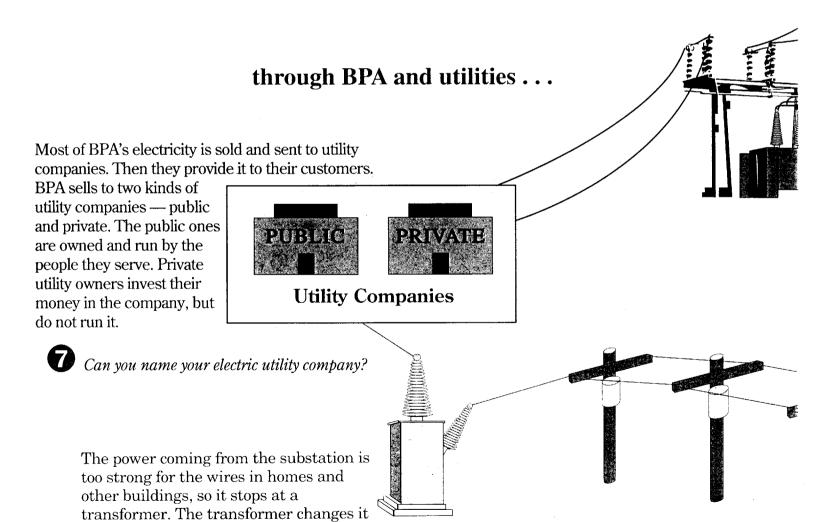


What animal makes a natural dam? Can you draw one?



From the dam . . .

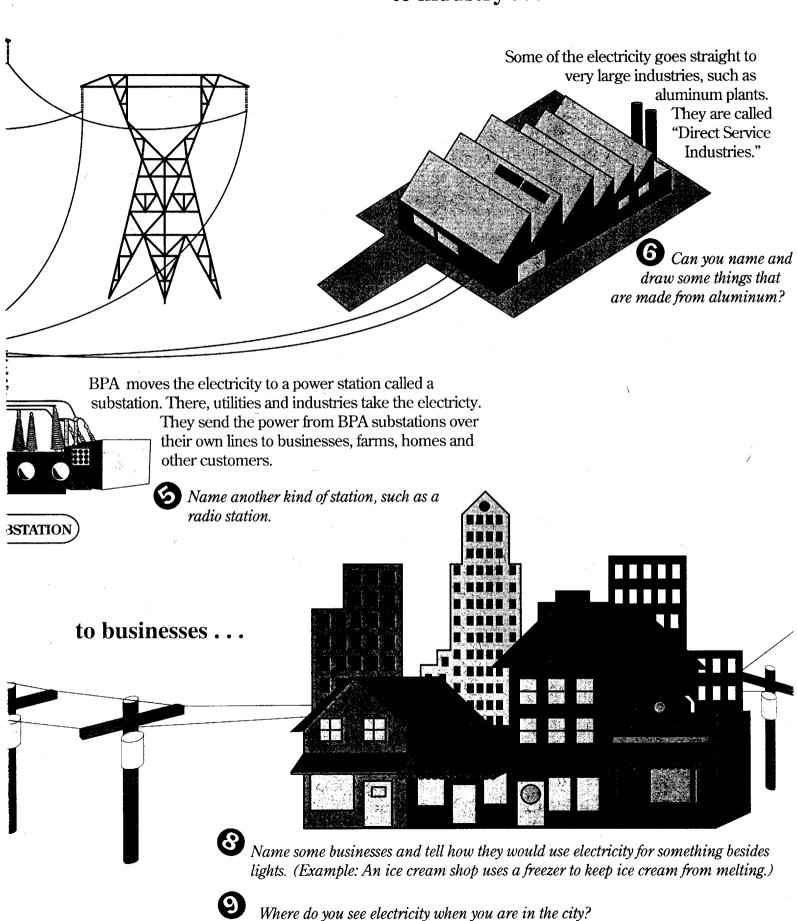


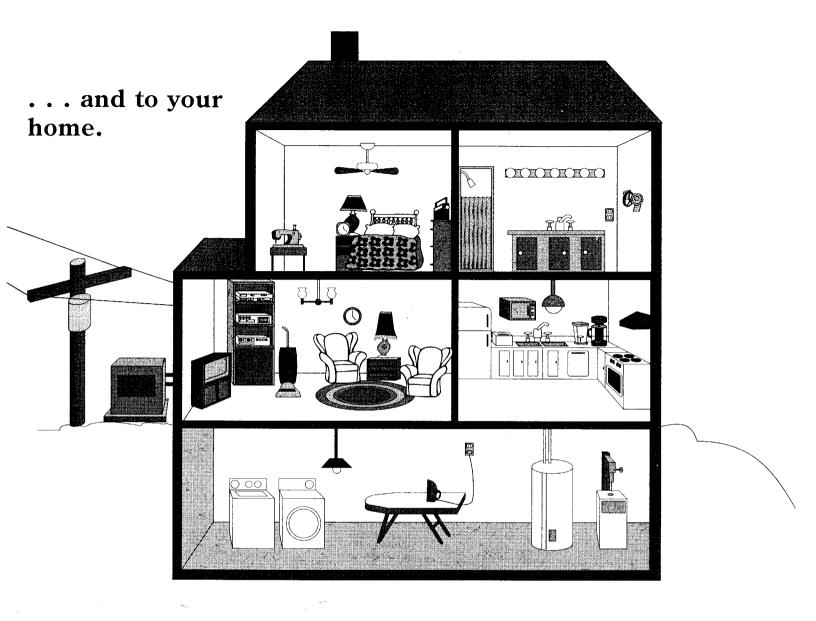


TRANSFORMER

to a lower voltage.

## to industry ...





The electricity is sent through large wires or cables. Sometimes the wires are strung on wooden poles. Sometimes they are under the ground. When a wire or cable gets to your house, it is joined to smaller wires. These wires run between the floors, ceilings and walls of your house. They connect to electric outlets and switches.

Like the river it began with, the electricity flows through the lines and turns on whatever you wish with the flip of a switch.



Circle each item that uses electricity in this house. There are 31.

If you want to learn more about the Northwest's power system call BPA's Public Involvement Office at (503) 230-3478 in Portland, or toll free 1-800-622-4519 nationwide. For additional copies of this brochure call BPA's Document Request Line 1-800-622-4520 (recorded message).