

Tacoma Power

ACTIVITY BOOKLET

Meet Spark!

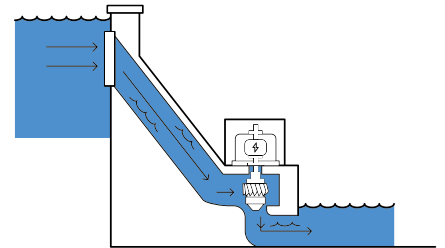
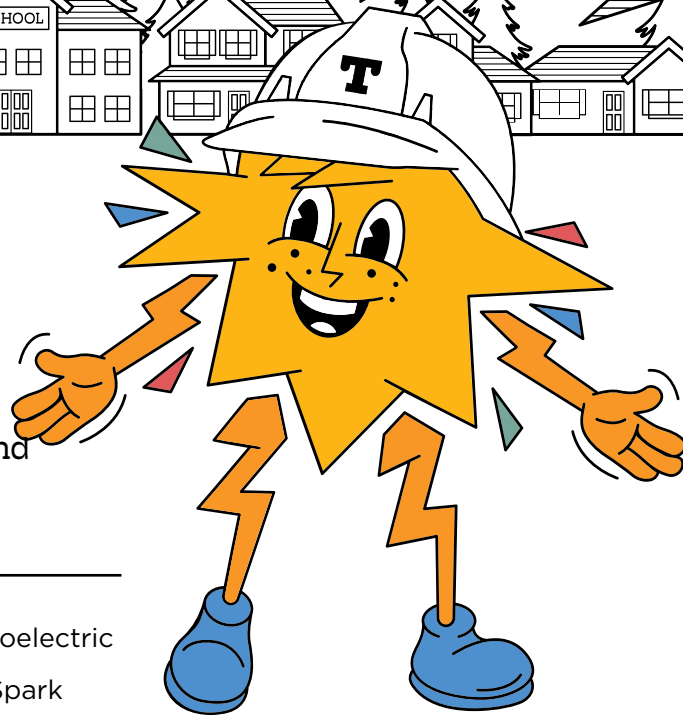
Spark lives at Tacoma Power's six hydroelectric dams and loves teaching others about electricity.

Join Spark on an adventure to discover how power is created at the dams and delivered to homes, schools, and businesses throughout our community.

Word Search Words

Alder	Cushman	Dam	Flow	Hydroelectric
Lagrande	Mayfield	Mossyrock	Power	Spark
Tacoma	Water	Wynoochee		

H W P L D U V Q S Y M P B E A B W B G I
 Y T Y S N E A L P I O O I F L U T O M N
 D A R N S R O B A O S W O L A P A C A B
 R C E U O O K T R U S E A O G L C A H Y
 O M B T A O C Q K O Y R L W R H O X E L
 E I A E K D C U T C R S D C A Y M K L N
 L A H C U S L H I N O J G O N D A E A Z
 E M M O S S H W E T C I R B D R I M I D
 C W A I N A N P Y E K V U R E P H N P O
 T I Y Z Y M A O B F M A Y I F S D P M Y
 R A N J S L L W A T E R E O U O M A N F
 I T Q L H S D O J K D S O C I M D I O J
 C F C S I J E V Y Y E C A H L A B P A N
 I I U A K G R R M A Y F I E L D U Q U C
 Y M Y X W Y N O S S Y N O B Y D E A N H



Fun Fact

Tacoma Power makes most of its electricity from moving water. This is called hydropower. It is a clean, renewable energy source!

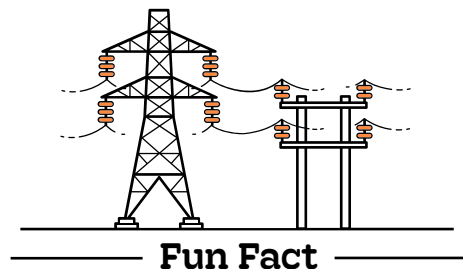
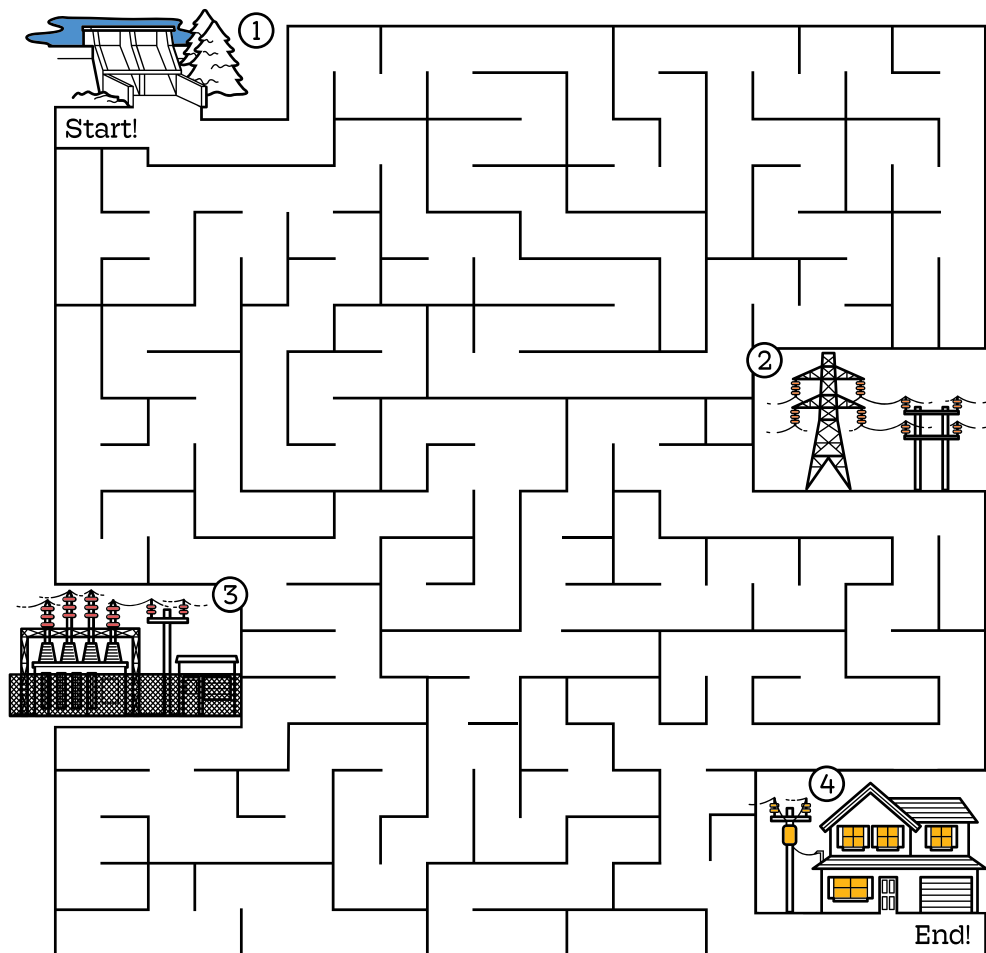




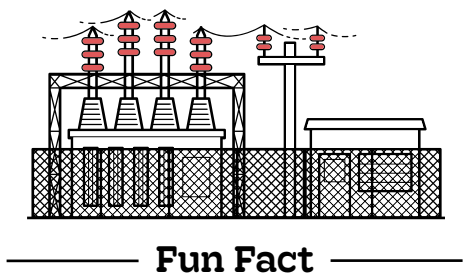
Traveling on High Voltage Lines to the Substation

Help Spark find their way from the dam to your home.

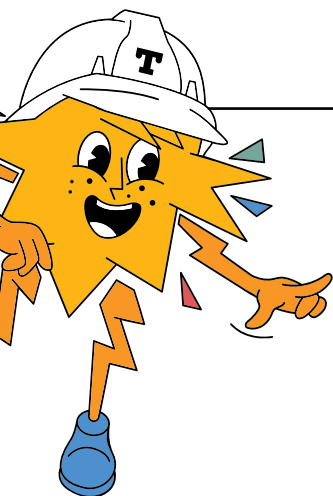
1. Start at the dam.
2. Be sure to pass by the Transmission and Distribution Power Lines and,
3. the Substation on the way
4. home.



High voltage lines carry electricity long distances. Never go near power lines. You can get hurt even if you do not touch them!



Substations are inside fenced yards because of extremely high power voltages. Tacoma Power distributes the power to a lower voltage line to be sent to homes, schools, and businesses.



Spark has a funny joke for you!

Crack the code to the joke and discover the answer

"How do you know electricity is excited?"

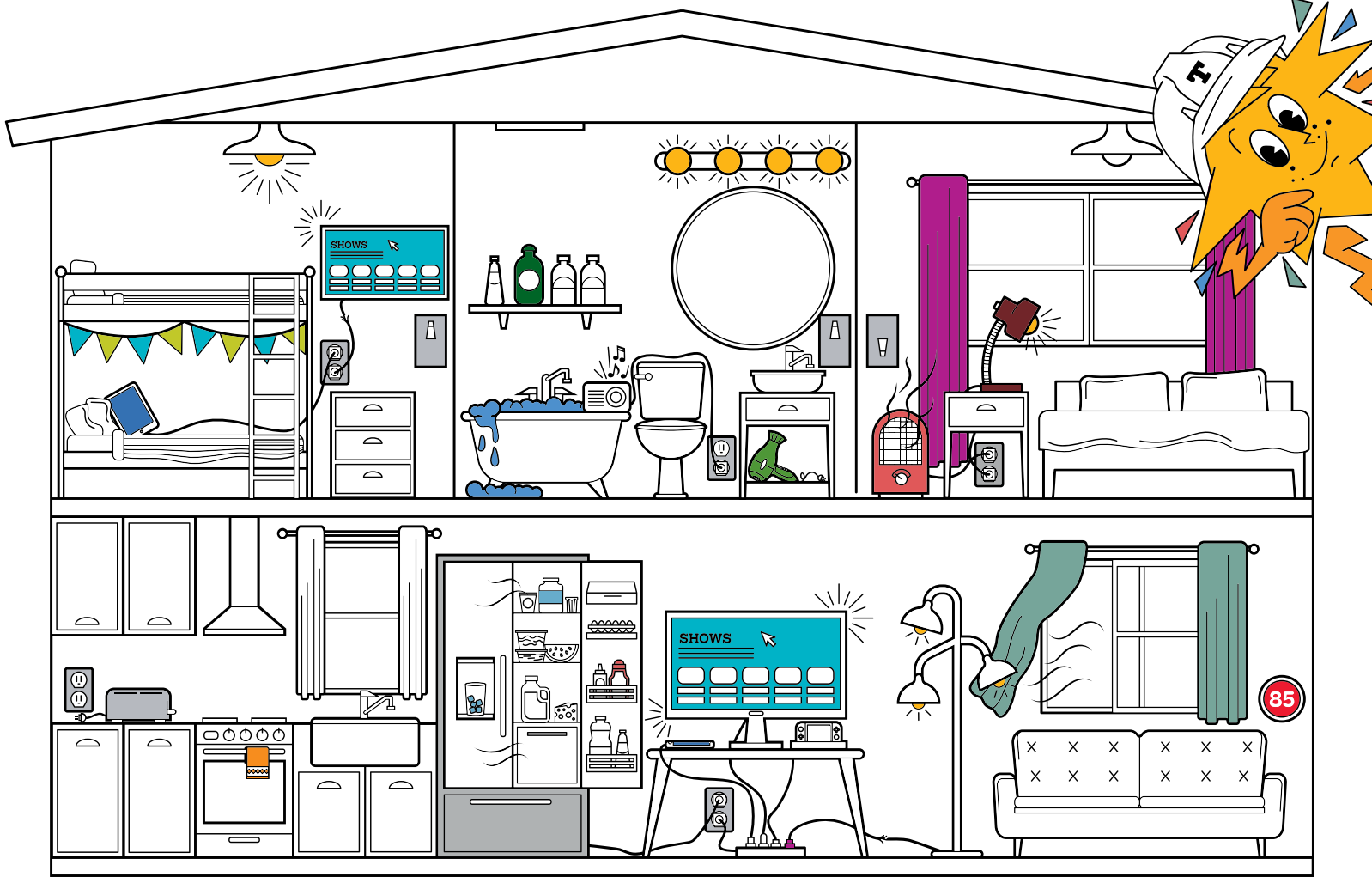


Decoder Key

★	◆	○	◐	▶	✱	◇	◆	□
A	B	C	D	E	F	G	H	I
■	▲	◆	✱	✱	+	✱	▼	×
J	K	L	M	N	O	P	Q	R
➡	▲	◀	◆	✱	▼	✱	➡	◎
S	T	U	V	W	X	Y	Z	!

Arriving at your Home and Saving Energy

Find all the items listed below to help Spark save energy.



Find all the electrical items in the house above

Circle ○ where energy is being wasted.

- ☐ Unused plugged-in electronics or chargers
- ☐ Open windows or doors while heating or cooling runs
- ☐ TVs, game consoles, or computers left on when no one uses them
- ☐ Thermostat set too high or too low.

Place a star ☆ around items you close or turn off when leaving.

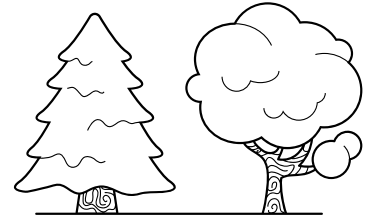
- ☐ Light switch
- ☐ TV's
- ☐ Open fridge

Place a triangle ▲ around the unsafe hazards.

- ☐ Overloaded outlets with too many plugs
- ☐ Damaged cords (frayed, cracked, chewed, or tape wrapped)
- ☐ Outlets without safety covers
- ☐ Space heaters too close to curtains
- ☐ Cords near water

Place a square □ around the safe items.

- ☐ Turned-off stove
- ☐ Unplugged toaster
- ☐ Unplugged hairdryer



Fun Fact

Trees can help keep your home cool in the summer. This can help you use less electricity. Tacoma Power's Tree Coupon can help you plant a tree!

Check your work

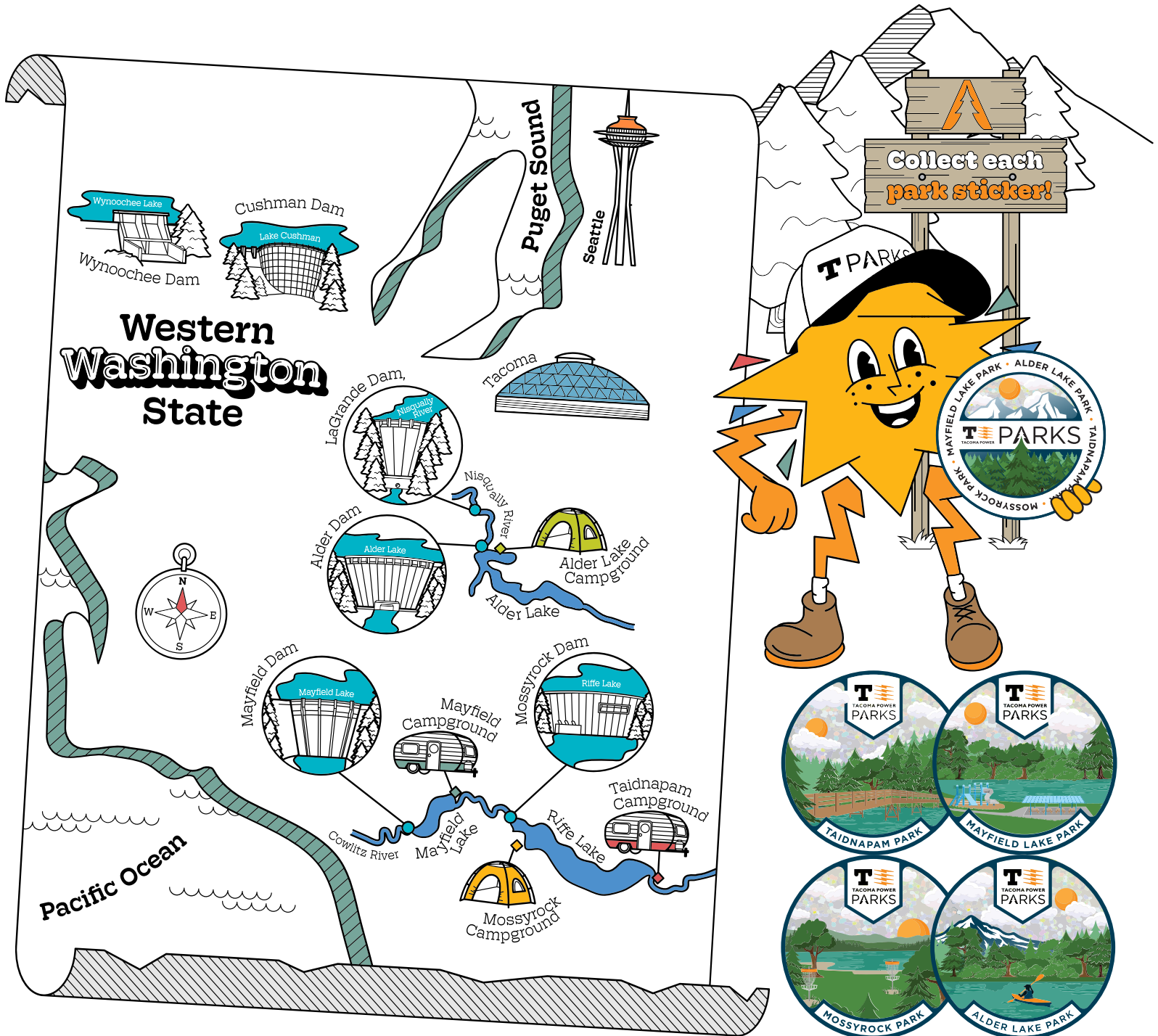


You can find the answer key to all the activities in this booklet on MyTPU.org/Education.

Tacoma Power Dams and Parks

Have fun at Tacoma Power Parks!

Camp, fish, boat, play, and explore nature at four beautiful parks in western Washington. Learn more at MyTPU.org/Parks



Come Join Our Team



Learn more about apprenticeships and job opportunities at Tacoma Public Utilities at MyTPU.org/Jobs.

Bill Payment Assistance



Stay on top of bill payment discounts and resources to get ahead on your utility bills. Find out more at MyTPU.org/Assistance.