
FRANK & OLLIE'S
POWER ADVENTURES
Big Questions. Bright Futures.
SOUTHERN
STAFFING GROUP
REAL PEOPLE. REAL OPPORTUNITIES.
SAFE
PEOPLE
BRIGHTER
TOMORROWS.
Exploring today for a brighter tomorrow!
Frank
Ollie
A COLORING BOOK FOR
BRIGHTER TOMORROWS!


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Episode 1: Where Does Electricity Come From?
I'm figuring out electricity! It's easy. It comes from the outlet!
Okay, Frank... but where does it come from BEFORE the outlet?
Before the outlet?
EXPLORE
LEARN
STAY SAFE
DREAM BIG
GOOD PEOPLE POWER TOMORROW
Frank
Ollie
Let's find out!
CURIOSITY
HOW THINGS WORK
THE POWER GRID
SAFETY FIRST
BIG QUESTIONS LEAD TO AMAZING ADVENTURES
SOUTHERN STAFFING GROUP
Frank thought electricity started at the outlet.
Ollie knew there had to be more to the story.
So they set out to follow the power!
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EXPLORE
LEARN
STAY SAFE
DREAM BIG
I don't think there's a giant battery behind the couch, Ollie.
Then we're going to have to follow the electricity!
Frank
Ollie
SAFE PEOPLE STRONGER TOMORROWS
FIRST AID
HOW THINGS WORK
THE POWER GRID
SAFETY FIRST
AMAZING CAREERS
BRIGHT FUTURES
THE JOURNEY OF ELECTRICITY
Big Questions Lead to Bright Futures!
Our Home!
N
W
E
S
OUR MISSION:
Follow the wires
Ask questions
Stay safe
Find the answer
Have fun!
Frank and Ollie grabbed their hard hats, vests, and gear.
They spread out a map and made a plan.
Their first Power Adventure had officially begun!
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Look, Ollie! The electricity comes to our house through those wires!
So the outlet isn't the beginning. It looks more like the end.
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Frank
Ollie
25
OUR COMMUNITY STAYS POWERED TOGETHER
Frank and Ollie followed the wires down the street.
The electrical lines led through their neighborhood and kept going...
They had to see where the wires would take them next.
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Frank and Ollie discovered a transformer on a utility pole. They learned that transformers help change the voltage so electricity can be used safely in our homes and businesses.

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SUBSTATION

POWERING COMMUNITIES

SAFE. RELIABLE. STRONGER TOMORROWS.

WHAT DOES A SUBSTATION DO?

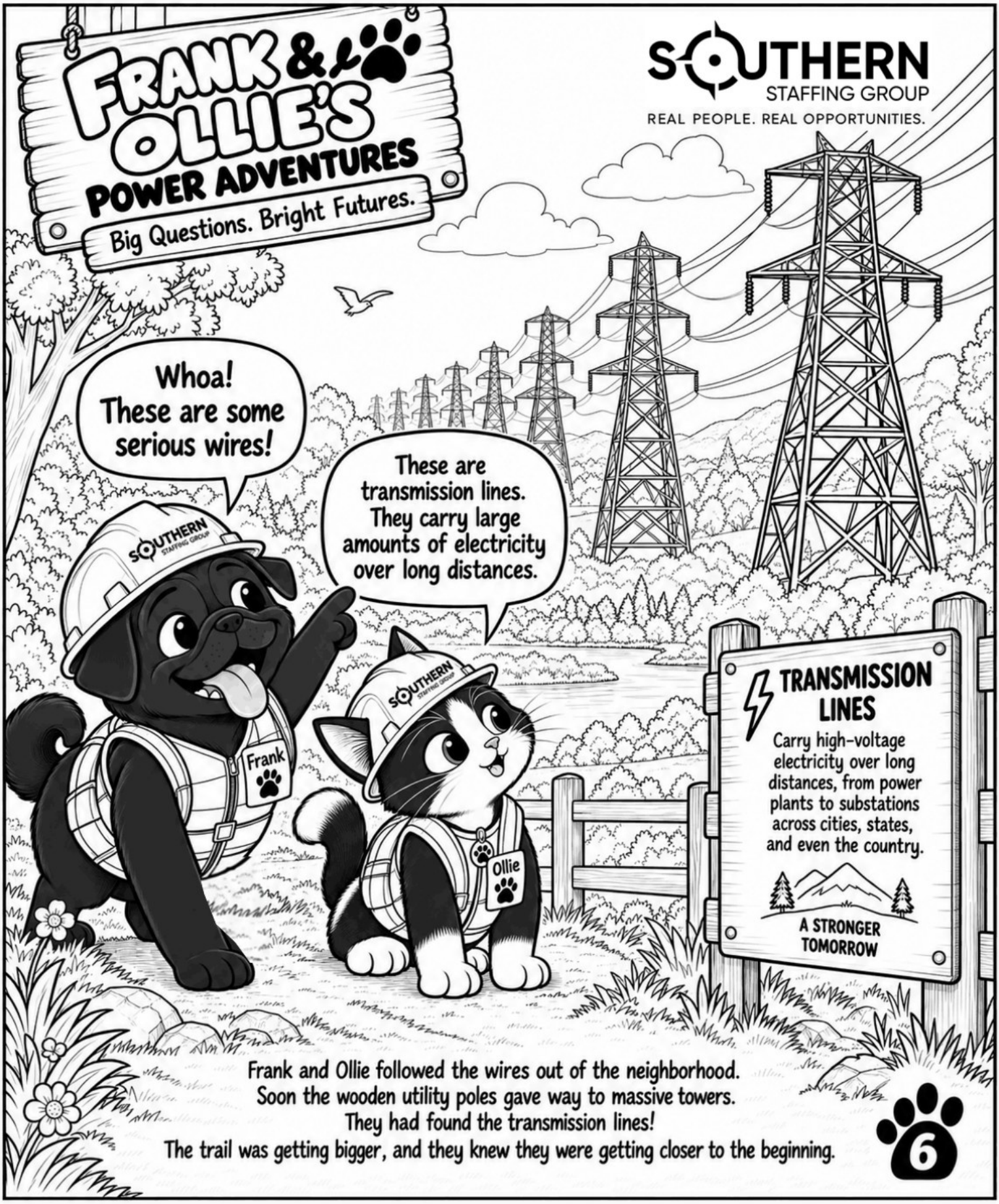
CHANGES VOLTAGE
Steps electricity up or down so it can travel long distances or be used locally.

CONTROLS THE FLOW
Uses switches, breakers, and protective equipment to keep the grid safe and reliable.

CONNECTS THE GRID
Brings together transmission and distribution lines, like an intersection for electricity.

FUN FACT:
Substations can be very large, and some are the size of several football fields!

Frank and Ollie followed the transmission lines and discovered a substation. They learned that substations are like intersections on the electric grid, helping to control the flow of electricity and change voltage as power moves between different systems.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Whoa! These are some serious wires!
These are transmission lines. They carry large amounts of electricity over long distances.
Frank
Ollie
TRANSMISSION LINES
Carry high-voltage electricity over long distances, from power plants to substations across cities, states, and even the country.
A STRONGER TOMORROW
Frank and Ollie followed the wires out of the neighborhood.
Soon the wooden utility poles gave way to massive towers.
They had found the transmission lines!
The trail was getting bigger, and they knew they were getting closer to the beginning.
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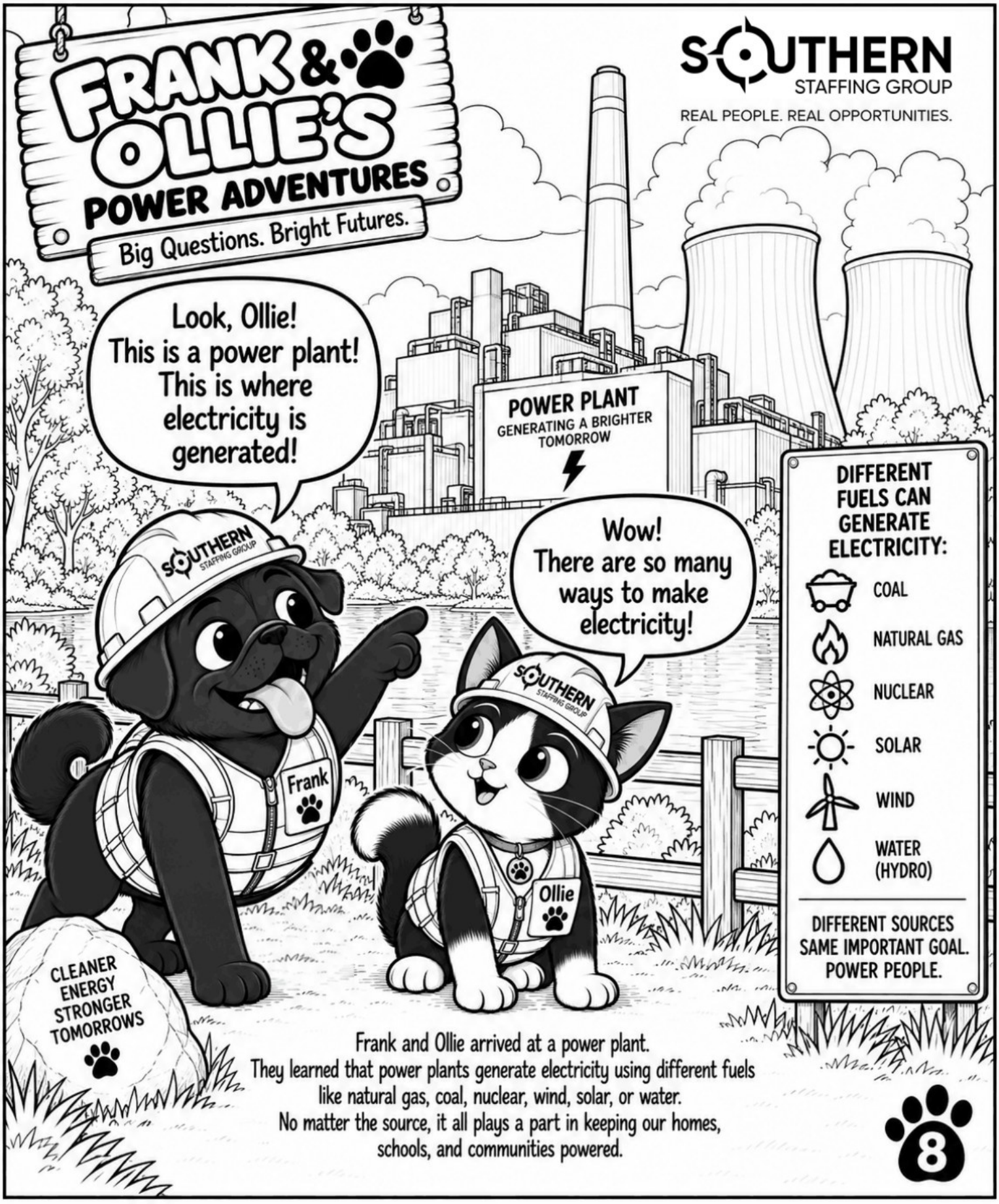
SAFETY TIPS

- Always stay outside fenced areas.
- Look for warning signs.
- Electrical equipment can be very dangerous.
- Only trained professionals should work inside.
- Ask questions and keep learning!

Frank almost walked toward the substation gate,
but Ollie reminded him to stay safe.
They learned that electrical equipment can be dangerous,
and only trained professionals should enter.
Safety keeps people, communities, and the grid strong!

RESPECT TODAY. BRIGHTER TOMORROWS.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Look, Ollie! This is a power plant! This is where electricity is generated!
POWER PLANT
GENERATING A BRIGHTER TOMORROW
Wow! There are so many ways to make electricity!
Frank
Ollie
DIFFERENT FUELS CAN GENERATE ELECTRICITY:
COAL
NATURAL GAS
NUCLEAR
SOLAR
WIND
WATER (HYDRO)
DIFFERENT SOURCES SAME IMPORTANT GOAL. POWER PEOPLE.
CLEANER ENERGY STRONGER TOMORROWS
Frank and Ollie arrived at a power plant.
They learned that power plants generate electricity using different fuels like natural gas, coal, nuclear, wind, solar, or water.
No matter the source, it all plays a part in keeping our homes, schools, and communities powered.
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RENEWABLE ENERGY FUN FACTS!

WIND ENERGY
Wind turns turbines that generate electricity.

SOLAR ENERGY
Solar panels capture sunlight and turn it into electricity.

RENEWABLE
These resources are naturally replenished and can be used again and again.

CLEANER AIR
Renewable energy helps reduce pollution and keeps our planet healthy.

Frank and Ollie learned that wind and solar are renewable energy sources. They help generate clean electricity, reduce pollution, and create a brighter, healthier future for everyone.

A CLEANER TODAY. A BRIGHTER TOMORROW.

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WHAT DOES A LINEWORKER DO?

BUILDS
Installs poles, lines, and equipment.

MAINTAINS
Keeps the system working safely and reliably.

FIXES
Responds to outages, often in tough weather, to get power back on.

SERVES
Helps keep homes, schools, hospitals, and businesses powered.

Frank and Ollie met a lineworker and learned that these men and women build, maintain, and repair the electric system.
They work in all kinds of weather to keep our communities safe and powered.
Lineworkers are real-life heroes!

PEOPLE POWER PROGRESS.

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THE PATH INTO YOUR HOME

1. **TRANSMISSION LINES**
   Carry high-voltage electricity over long distances.
2. **SUBSTATION**
   Steps the voltage down for local use.
3. **DISTRIBUTION LINES**
   Carry electricity through neighborhoods.
4. **METER**
   Measures how much electricity you use.
5. **YOUR HOME**
   Electricity enters your home and is distributed through a panel to power your lights, appliances, and more!

WHAT DOES A HOME ELECTRICAL PANEL DO?

KEEPS YOUR HOME SAFE
Breakers shut off power if there is a problem.

SENDS POWER WHERE IT'S NEEDED
Delivers electricity to different rooms and circuits.

POWERS YOUR EVERYDAY LIFE
Lights, TVs, computers, refrigerators, and more!

SAME POWER. BRIGHTER LIVES.

Frank and Ollie learned that electricity travels from power plants, through transmission and distribution lines, and into homes. Meters measure how much we use, and electrical panels help keep our homes safe while delivering power to the things we use every day.

POWERING HOMES. POWERING POSSIBILITIES.


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Big Questions. Bright Futures.
LEARN TODAY
WORK SAFELY
BRIGHTER
TOMORROWS
SOUTHERN
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REAL PEOPLE. REAL OPPORTUNITIES.
PEOPLE
SAFETY
POWER
PROGRESS
ELECTRICAL SAFETY RULES
BE AWARE OF YOUR SURROUNDINGS
USE THE RIGHT PPE
FOLLOW PROCEDURES
RESPECT WARNING SIGNS
ASK QUESTIONS
LOOK OUT FOR YOUR TEAM
MAKE SAFETY A HABIT EVERY DAY
SAFE PEOPLE
STRONGER TEAMS
BRIGHTER TOMORROWS
Wow! There's a lot of gear!
It's not just about the gear... it's about the right habits too!
The right equipment and good habits keep you safe on the job. Safety isn't optional... it's a way of life!
Frank
Ollie
SAFETY BUILDS BRIGHTER TOMORROWS
SMALL QUESTIONS LEAD TO BIG THINGS
SSG
TRAINING
KNOWLEDGE
EXPERIENCE
A BRIGHTER TOMORROW
COMMON PPE (PERSONAL PROTECTIVE EQUIPMENT)
HARD HAT
Protects your head.
SAFETY GLASSES
Protects your eyes.
GLOVES
Protects your hands.
HI-VIS VEST
Helps you stay visible.
SAFETY BOOTS
Protects your feet.
HEARING PROTECTION
Helps protect your ears in loud environments.
Frank and Ollie learned that the right tools, equipment, and training help keep workers safe in the power industry. Safety isn't just a rule – it's a habit, and everyone plays a part in looking out for themselves and their team.
KNOWLEDGE TODAY. SAFER TOMORROWS.
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Brighter Communities Stronger Tomorrows
OUR COMMUNITY
SCHOOL
HOSPITAL
Look, Ollie! Electricity helps our schools, hospitals, homes, and businesses. It keeps our communities strong!
That means people like you help make life better for everyone!
Frank
Ollie
PEOPLE POWER PROGRESS
POWER MAKES A DIFFERENCE!
BRIGHTER SCHOOLS
HEALTHIER COMMUNITIES
STRONGER HOMES
MORE OPPORTUNITIES
THRIVING BUSINESSES
A CLEANER ENVIRONMENT
A BRIGHTER TOMORROW
SAME POWER. BRIGHTER LIVES.
Frank and Ollie learned that electricity does more than just power homes.
It helps build stronger communities, creates opportunities,
and makes everyday life better for everyone.
When we work together, we all have a brighter tomorrow!
STRONGER COMMUNITIES. BRIGHTER TOMORROWS.
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We did it, Ollie! We learned where electricity comes from, how it gets to our homes, and all the people who make it possible!
But now I'm wondering... I see solar panels, wind turbines, and big batteries. How do those make electricity? Can the sun and wind really power our homes too?
Frank
Ollie
BATTERY STORAGE
SOLAR?
WIND?
BATTERIES?
LET'S FIND OUT TOGETHER!
CURIOSITY POWERS A BRIGHTER TOMORROW.
Frank and Ollie solved their first big mystery, but there are many more questions to explore!
NEXT ADVENTURE:
Can the Sun and Wind Power Our World?
BIG QUESTIONS. BRIGHTER FUTURES.
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