

THE LIGHTS STAY ON

Data Centers #11 · A Channel 5 Kids Adventure
with Lena Ashgrove and the Infrastructure Guard



CREDITS

The Lights Stay On · Data Centers #11 · Kids edition (ages 6–9)

Story and production: GOTB Consulting, Chicago

Starring Lena Ashgrove, Gridline, Commons and Undertow

AI-GENERATED ART, FICTIONAL CHARACTERS

All characters, the town of Prairie Bend and Channel 5 are fictional. Any resemblance to real people is a coincidence. No real logos are shown.

Facts in this book were checked against public sources before printing.

Power safety: stay far away from fallen power lines and tell a grown-up right away.

Never touch a generator!

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MEET YOUR GUIDES



**LENA
ASHGROVE**

Channel 5 host. She asks the big questions.



GRIDLINE

Keeps the power moving.



COMMONS

Public works boss. Lantern up!



UNDERTOW

Water hero. Knows every pipe.

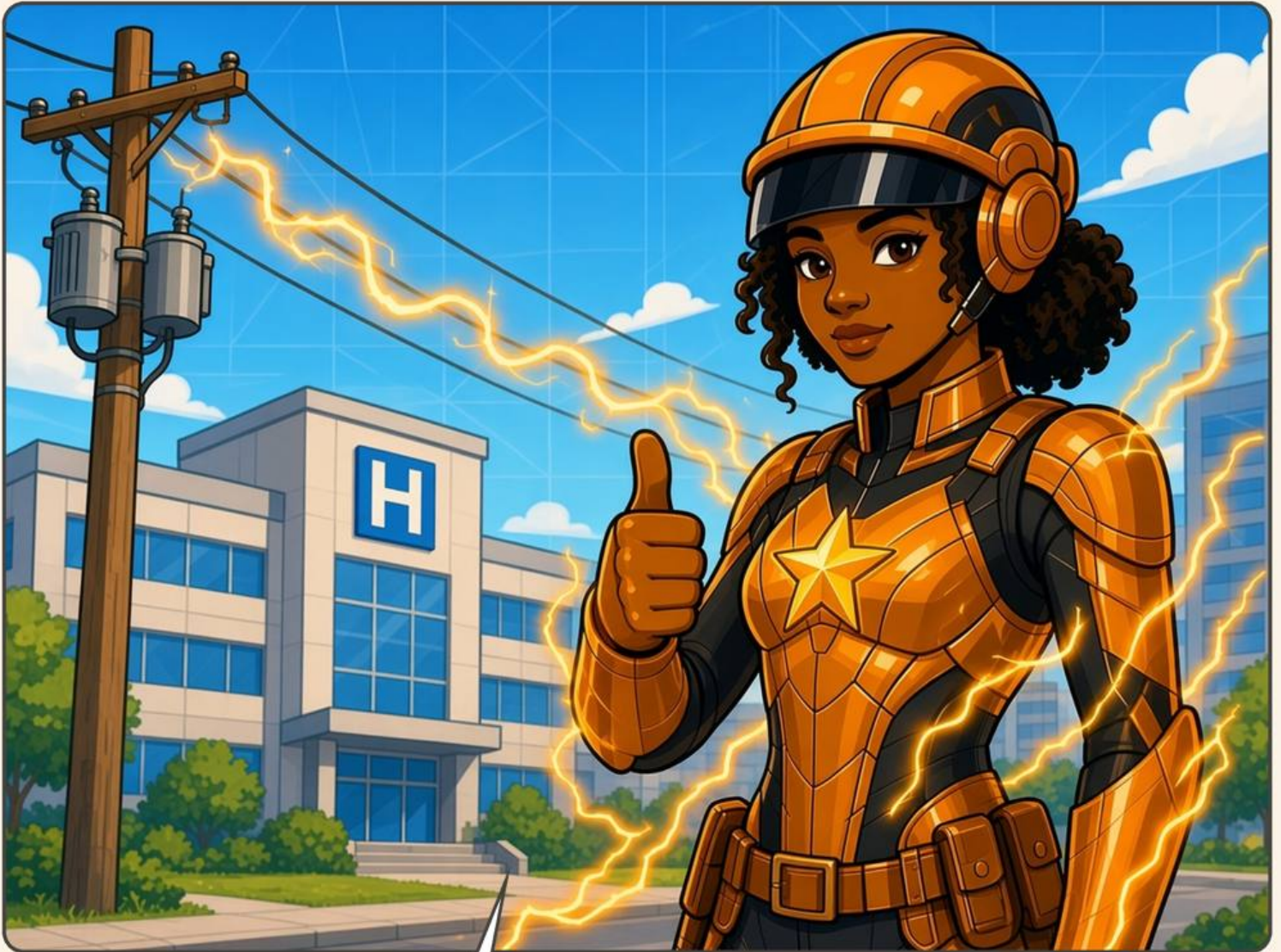


LENA

HOSPITALS HELP PEOPLE GET BETTER, DAY
AND NIGHT. WHAT HAPPENS IF THE POWER
GOES OUT?



Hospitals use electricity for lights, heat, machines and alarms.



GRIDLINE

I BRING POWER FROM THE GRID. BUT STORMS
CAN KNOCK LINES DOWN SOMETIMES.



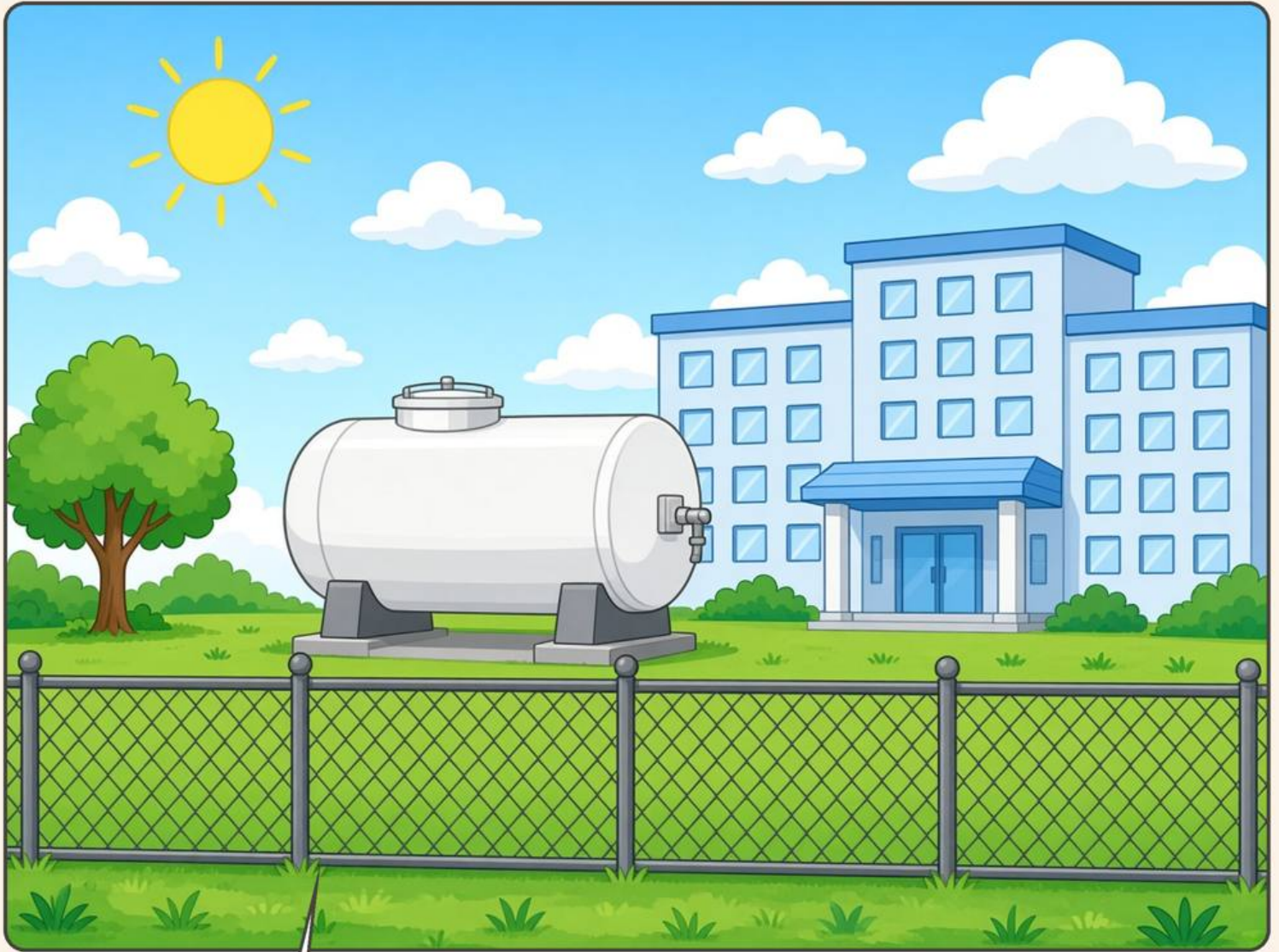
GRIDLINE

SO HOSPITALS KEEP BACKUP GENERATORS, BIG
ENGINES THAT MAKE THEIR OWN ELECTRICITY!



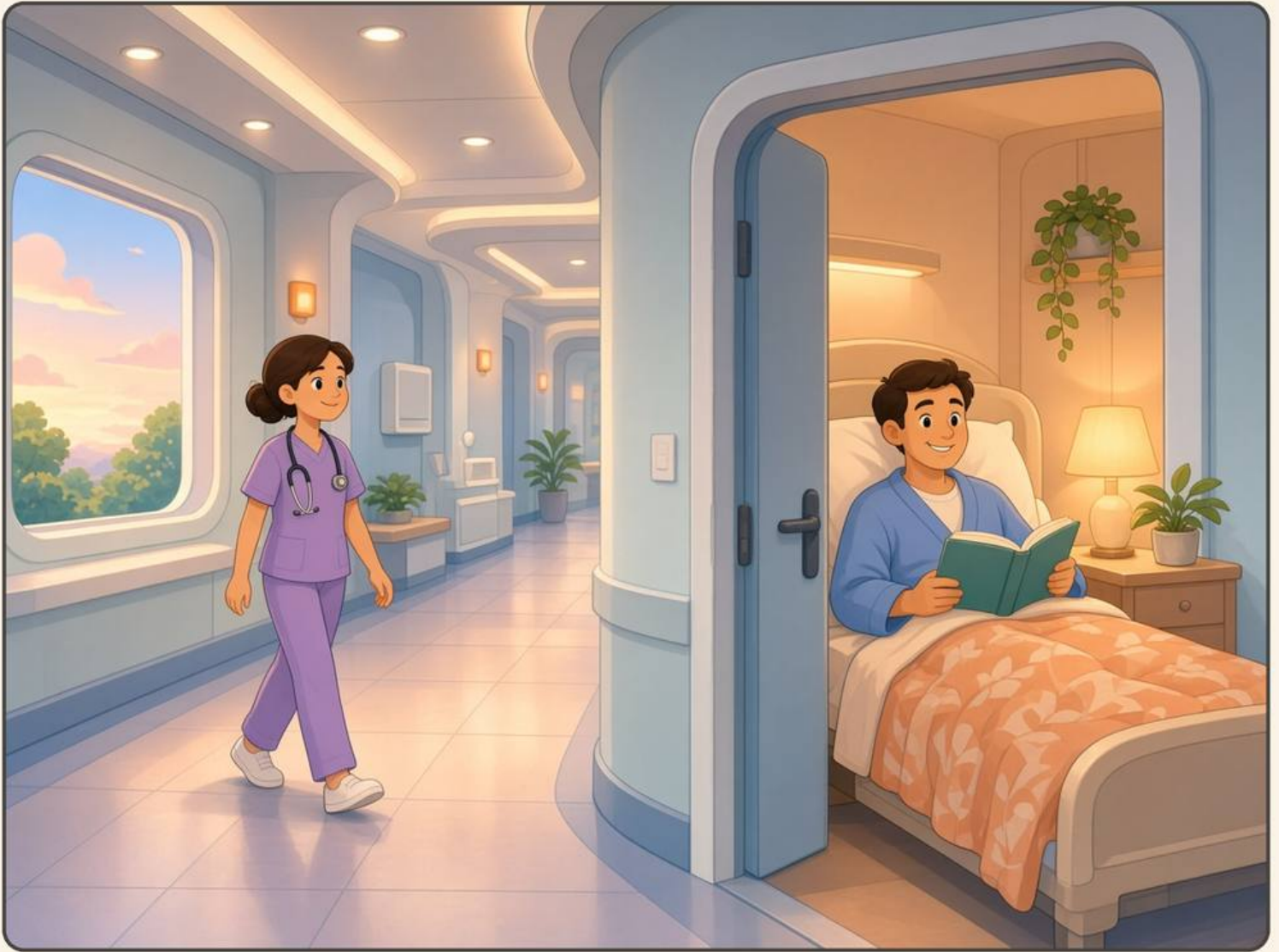
COMMONS

CREWS CHECK THE GENERATOR EVERY WEEK
AND RUN IT FOR 30 MINUTES EVERY MONTH.



LENA

HOSPITALS THAT KEEP FUEL FOR GENERATORS
NEED A PLAN TO KEEP THEM RUNNING.

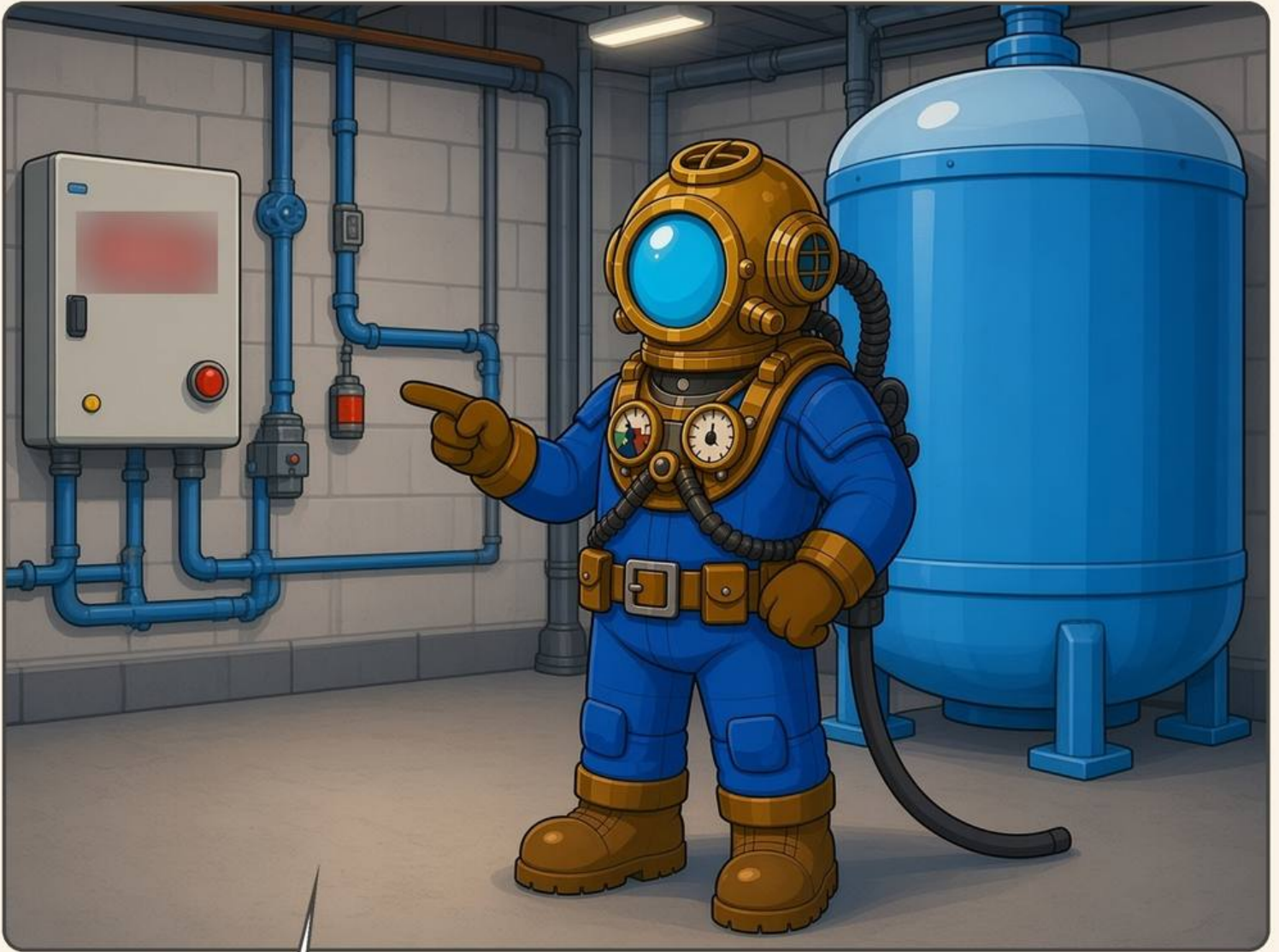


Backup power keeps emergency lights on and rooms at a safe temperature.



GRIDLINE

FIRE ALARMS STAY POWERED TOO. SAFETY
FIRST!



UNDERTOW

HOSPITALS PLAN FOR WATER AND WASTE TOO,
NOT JUST LIGHTS.



LENA

HOSPITALS PRACTICE THEIR EMERGENCY
PLANS AT LEAST TWO TIMES A YEAR. PRACTICE
MAKES READY!



LENA

REPORTED

THERE ARE ABOUT 6,100 HOSPITALS IN
AMERICA!

CHANNEL 5 · SUNSET



LENA

THANK YOU, HOSPITAL HELPERS! SEE YOU
NEXT TIME ON CHANNEL 5!

Made with GOTB Consulting, who help plan the power, water and public works behind places like this.

WORDS TO KNOW

GENERATOR

A machine that makes electricity.

BACKUP

A second plan, ready just in case.

GRID

Wires that carry power to everyone.

FUEL

What a generator burns to run.

ENGINEER

A person who builds and fixes machines.

DRILL

A practice of the plan.

FIRE ALARM

A loud signal that warns of fire.

CHECKLIST

A list to make sure nothing is missed.

HOW THE LIGHTS STAY ON

Trace the path with your finger, from start to finish.

GRID

Power comes in on wires.



STORM

Uh-oh, the lines go down.



SWITCH

The hospital notices right away.



GENERATOR

The backup engine starts up.



LIGHTS

Lights, heat and alarms stay on.



FIXED

Crews fix the lines. Power returns!

WORD SEARCH

Find these words. They go across, down, or slanted.

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

POWER

GRID

LIGHT

ALARM

FUEL

DRILL

PLAN

ENGINE

STORM

LANTERN

QUICK QUIZ

Circle the best answer!

1. What makes backup power?

A generator

A balloon

2. How often is it checked?

Every week

Once in 100 years

3. How long is the monthly test run?

30 minutes

30 days

4. How often do hospitals practice?

At least 2 times a year

Never

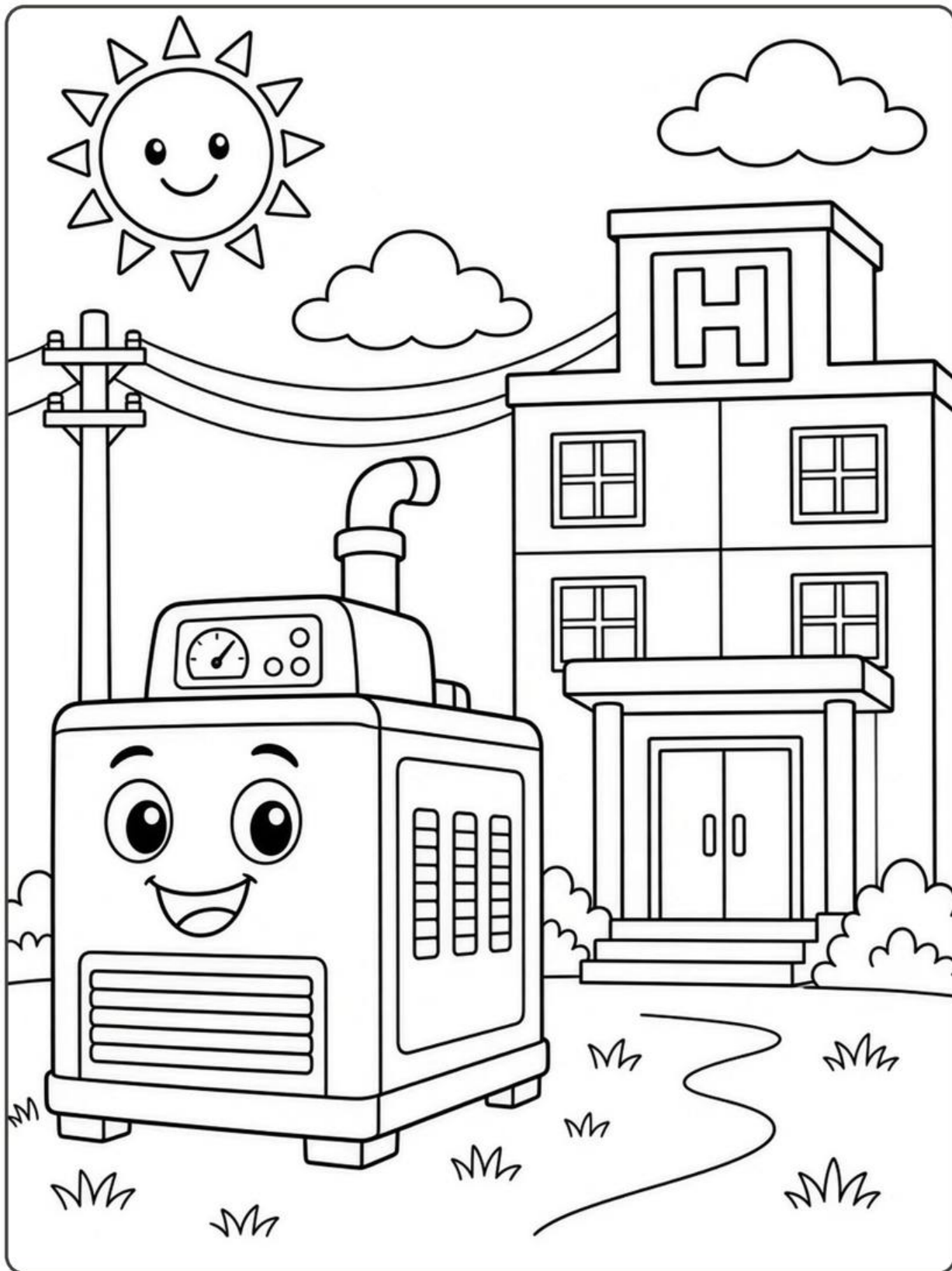
5. About how many U.S. hospitals?

6,100

61

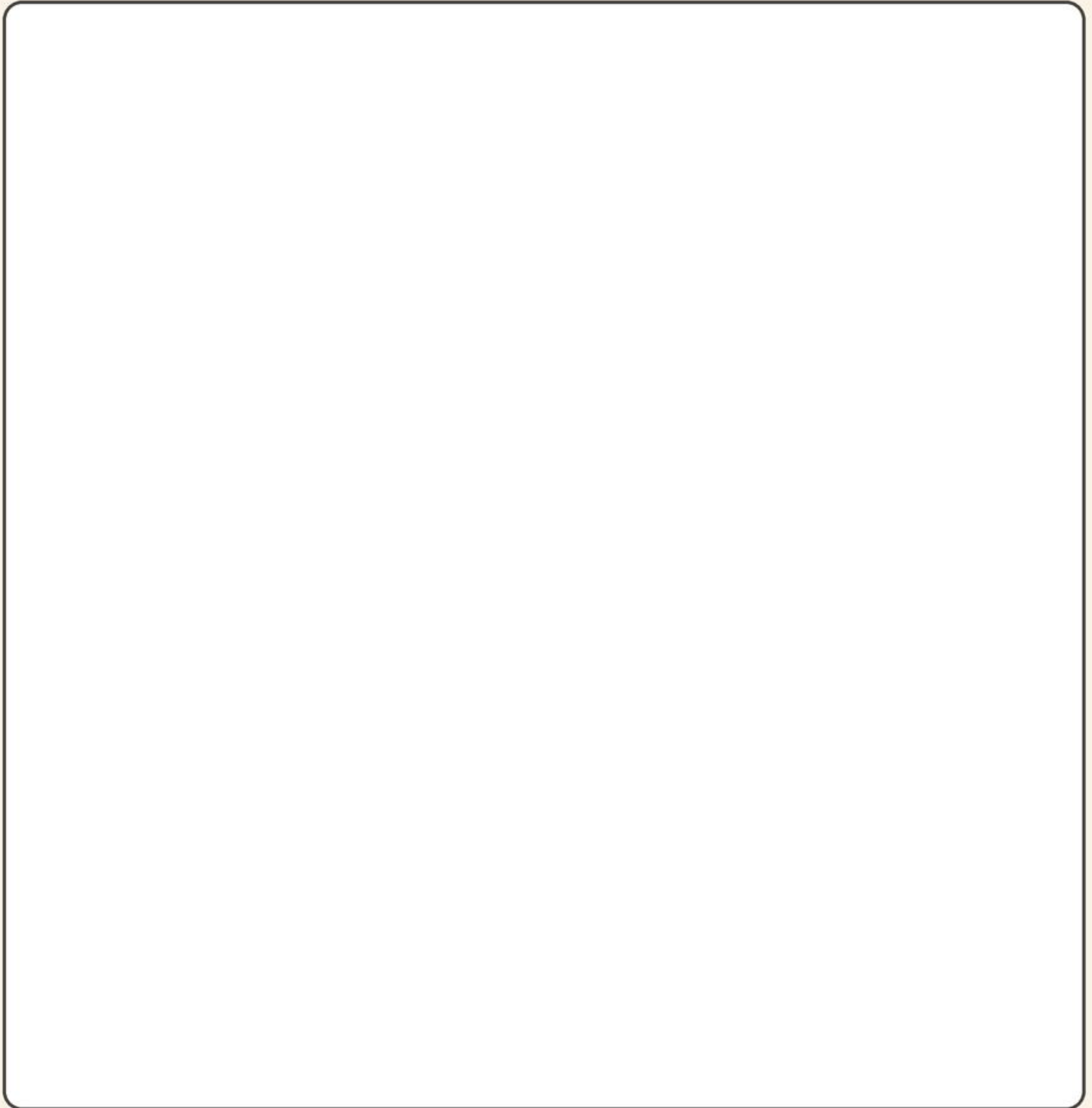
Answers: 1 a generator · 2 every week · 3 30 minutes · 4 at least 2 times a year · 5 6,100

COLOR THE GENERATOR



DESIGN A BACKUP PLAN

Draw what your home needs when the power goes out!



My backup plan has: _____

LET'S TALK ABOUT IT

Questions to share with a grown-up

WHAT USES ELECTRICITY IN A HOSPITAL?

WHY DO YOU THINK CREWS TEST THE
GENERATOR SO OFTEN?

WHAT SHOULD YOU DO IF YOU SEE A FALLEN
POWER LINE?

WHAT WOULD YOU ASK GRIDLINE ABOUT
STORMS?

ABOUT GOTB CONSULTING

GOTB Consulting is a Chicago team that helps plan the big systems towns depend on.

We work on four things you saw in this book:

DATA CENTERS

Where the cloud lives

POWER

Electricity for homes and buildings

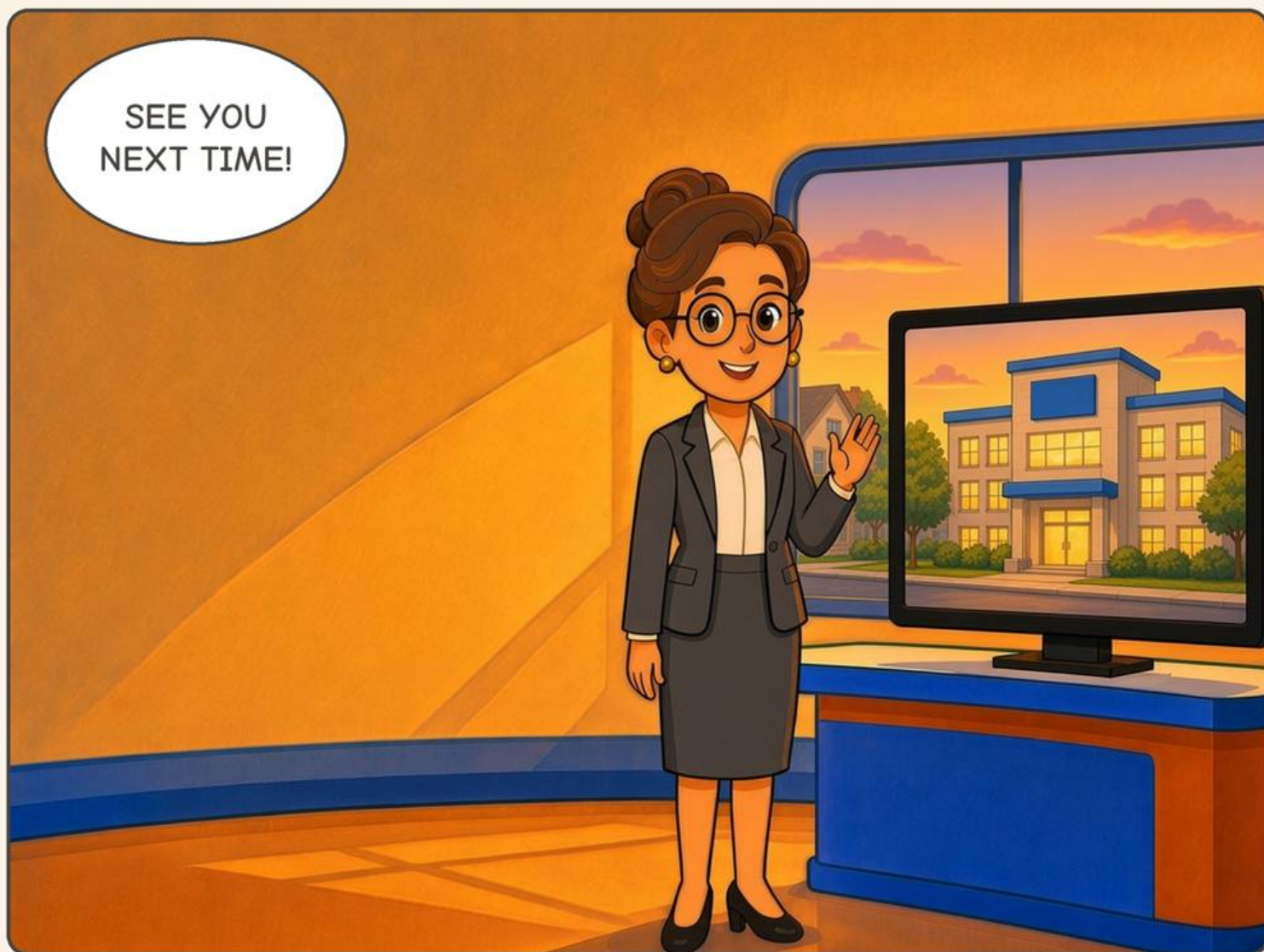
WATER

Clean water and smart cooling

PUBLIC WORKS

Roads, pipes and places for people

THE END!



THANKS FOR KEEPING THE LIGHTS ON WITH US!

Next time: more adventures with the Infrastructure Guard!

GOTB CONSULTING • CHICAGO

Data centers • Power • Water • Public works

AI-generated art, fictional characters