

# THE POWER CHRONICLES



Alliant Energy®



IN THIS EPISODE...

AKILAH  
and the **QUEST** to  
SAVE POWER!



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# THE POWER CHRONICLES

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HI! MY NAME'S AKILAH, AND I WANT YOU TO JOIN MY FRIENDS AND ME ON A QUEST TO LEARN ABOUT *SAVING ENERGY!*

ON OUR JOURNEY WE'LL GET SOME HELP FROM MY OLD FRIEND *DR. NIX* AND SOME NEW FRIENDS NAMED *PETE* AND *MEGAN!*

## AKILAH & HER FRIENDS NEED YOUR HELP TOO!

SEE IF YOU FIND THE ANSWERS TO THESE QUESTIONS ALONG THE WAY!

1. FILL IN THE BLANK: *ENERGY* IS THE POWER TO DO \_\_\_\_\_
2. WHAT DO SAIL BOATS AND WINDMILLS HAVE IN COMMON? \_\_\_\_\_
3. WHICH LIGHTBULBS USE LESS ENERGY, *LEDS* OR *INCANDESCENT*? \_\_\_\_\_
4. WHEN YOU'RE DONE STREAMING A SHOW OR PLAYING A VIDEO GAME, DOES IT SAVE MORE ENERGY TO LET THE DEVICE GO INTO POWER SAVER MODE OR UNPLUG IT? \_\_\_\_\_
5. WHAT POWER SAVING TOOL CAN YOU USE TO PREVENT PHANTOM POWER WASTE? \_\_\_\_\_

FIND THE ANSWERS AT THE END OF THE BOOK ON THE INSIDE BACK COVER. HAVE FUN ON YOUR QUEST!

## CHAPTER 3 "AKILAH and the QUEST to SAVE POWER"

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Art & Design

Presented by:

 **Alliant Energy**

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UM, I WAS WONDERING - WHY IS EVERY LIGHT IN THE HOUSE ON?

EVEN IN ROOMS YOU'RE NOT IN?

OH ... SORRY, DAD!



POWER IS A LIMITED RESOURCE, KI. IT'S UP TO ALL OF US TO NOT WASTE IT.

I GUESS I FORGOT!



IT'S OKAY. IT HAPPENS TO ME TOO.

BUT IT'S IMPORTANT WE REMEMBER!



ALL RIGHT, GO BACK TO HAVING FUN!

ONE ROOM AT A TIME, PLEASE.

THANK YOU, MR. NEWTON!





I DON'T HAVE TO WORRY ABOUT POWER.

WHERE WE LIVE, THE LIGHT BILL IS INCLUDED IN OUR RENT.

\*CLICK\*



IT'S NOT JUST HOW MUCH POWER COSTS, ABBI.

IT'S THAT ... THERE'S ONLY SO MUCH OF IT.



LIKE CLEAN WATER.

OR TREES?

YEAH!

MAKE TODAY MATTER



IF EVERYONE WASTED ELECTRICITY ALL THE TIME ...









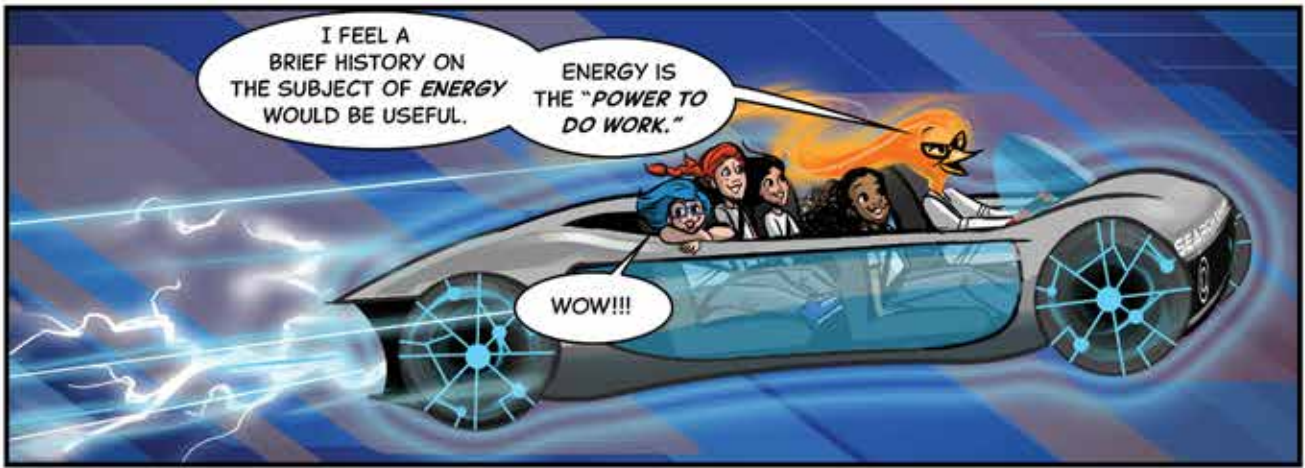








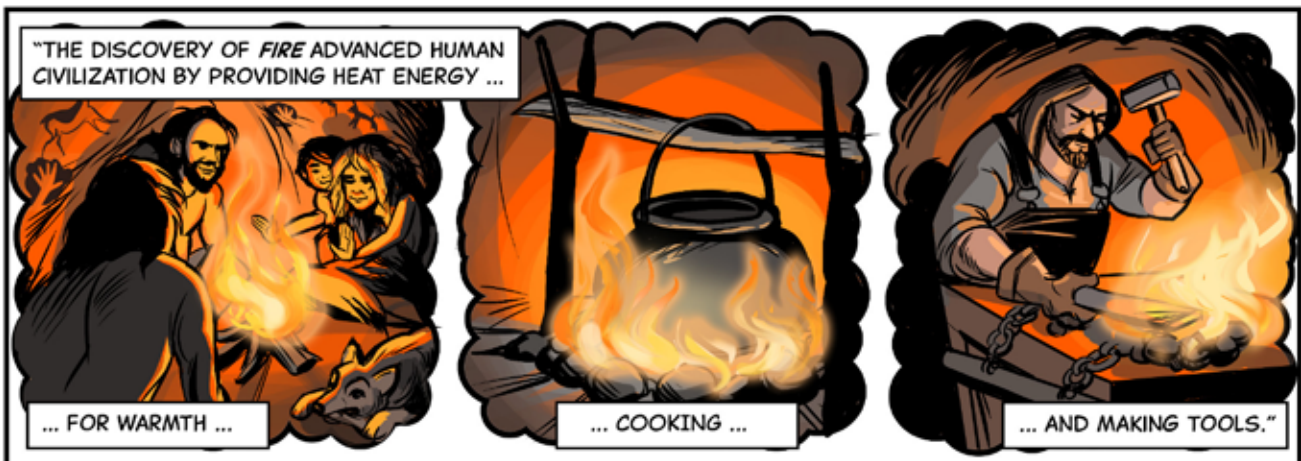








"EARLY HUMANS PROBABLY LEARNED TO USE FIRE THAT CAME FROM LIGHTNING."

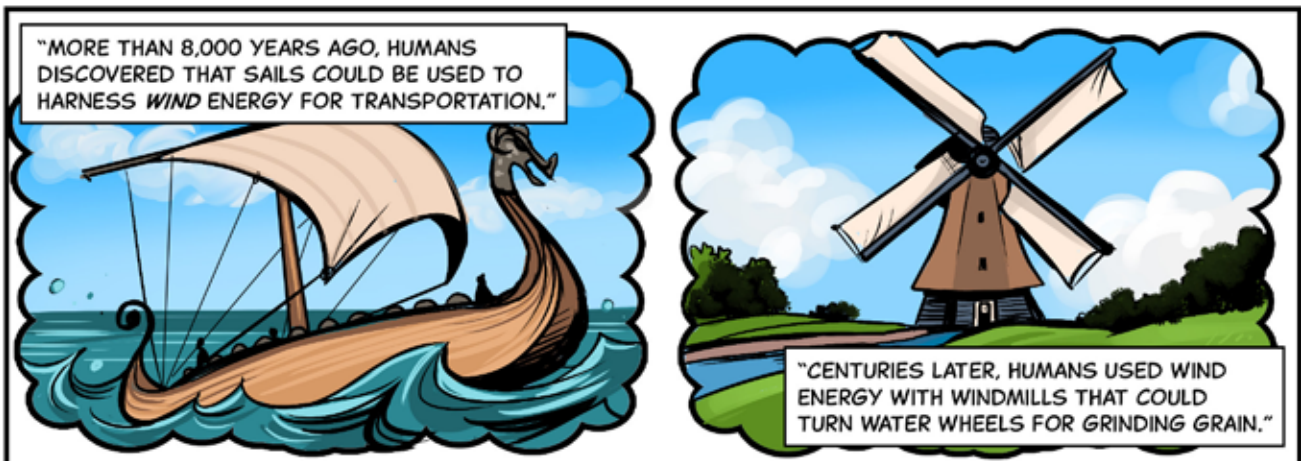


"THE DISCOVERY OF FIRE ADVANCED HUMAN CIVILIZATION BY PROVIDING HEAT ENERGY ...

... FOR WARMTH ...

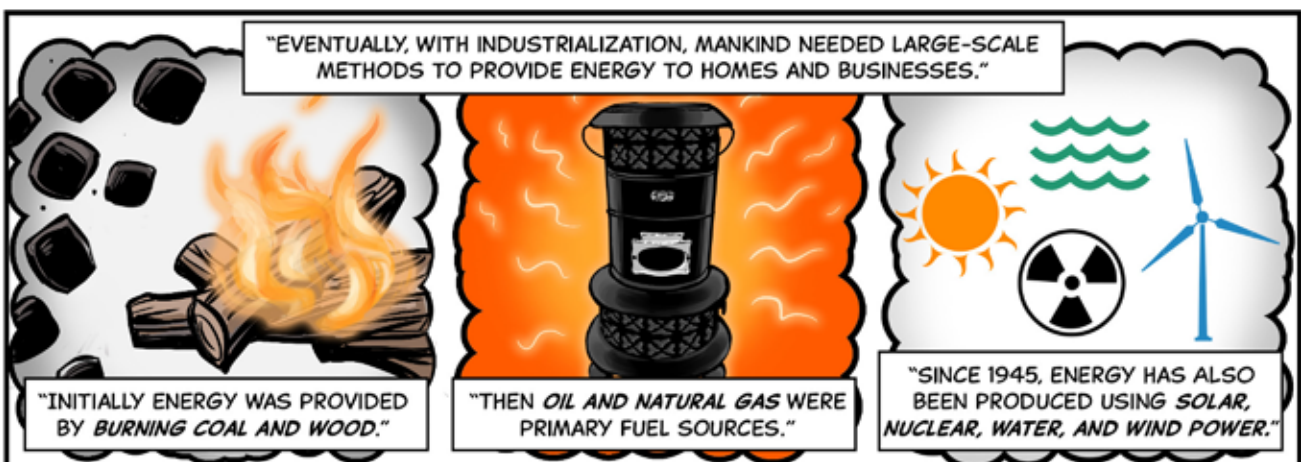
... COOKING ...

... AND MAKING TOOLS."



"MORE THAN 8,000 YEARS AGO, HUMANS DISCOVERED THAT SAILS COULD BE USED TO HARNESS WIND ENERGY FOR TRANSPORTATION."

"CENTURIES LATER, HUMANS USED WIND ENERGY WITH WINDMILLS THAT COULD TURN WATER WHEELS FOR GRINDING GRAIN."



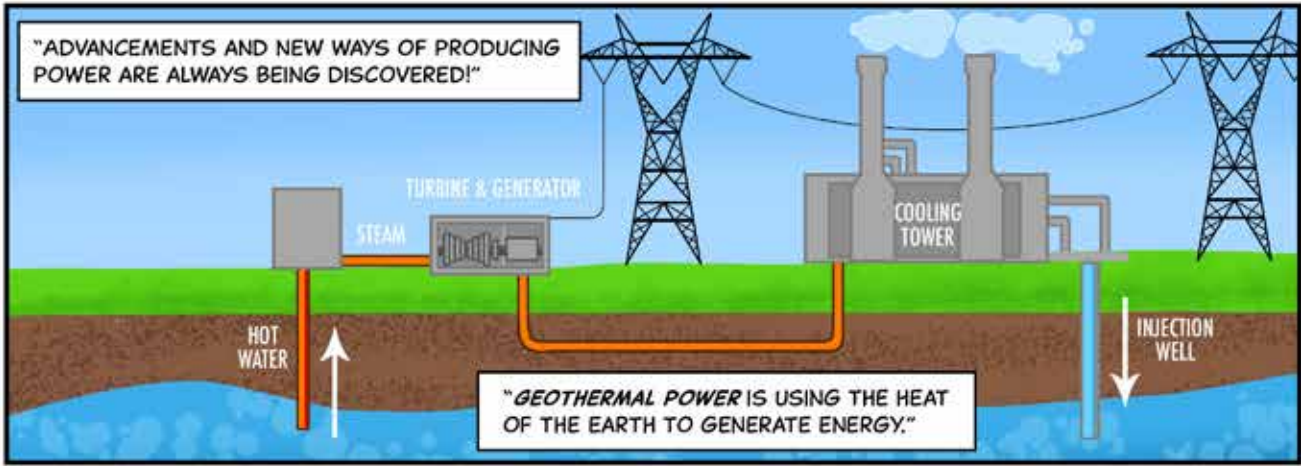
"EVENTUALLY, WITH INDUSTRIALIZATION, MANKIND NEEDED LARGE-SCALE METHODS TO PROVIDE ENERGY TO HOMES AND BUSINESSES."

"INITIALLY ENERGY WAS PROVIDED BY BURNING COAL AND WOOD."

"THEN OIL AND NATURAL GAS WERE PRIMARY FUEL SOURCES."

"SINCE 1945, ENERGY HAS ALSO BEEN PRODUCED USING SOLAR, NUCLEAR, WATER, AND WIND POWER."

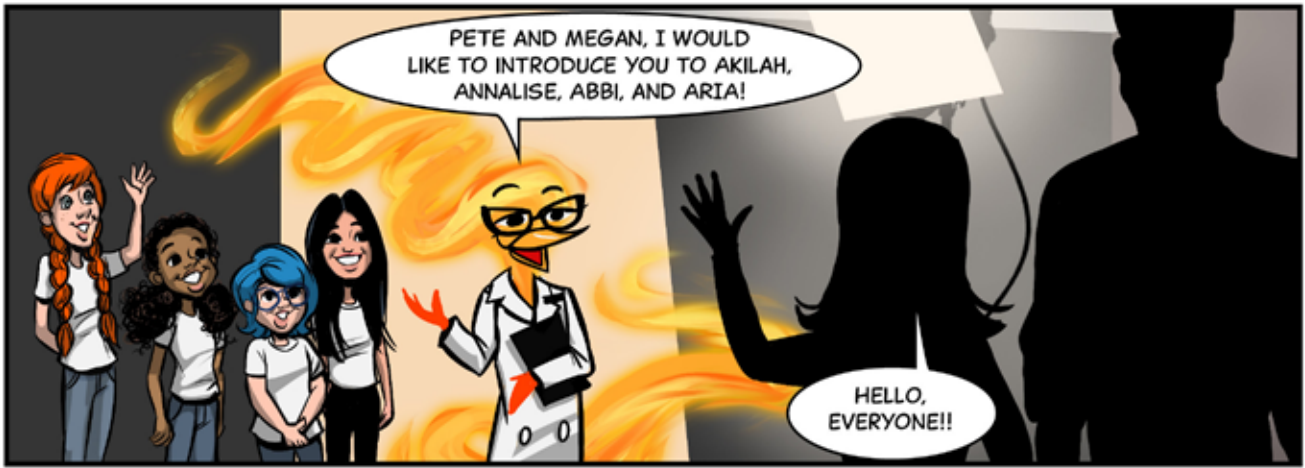








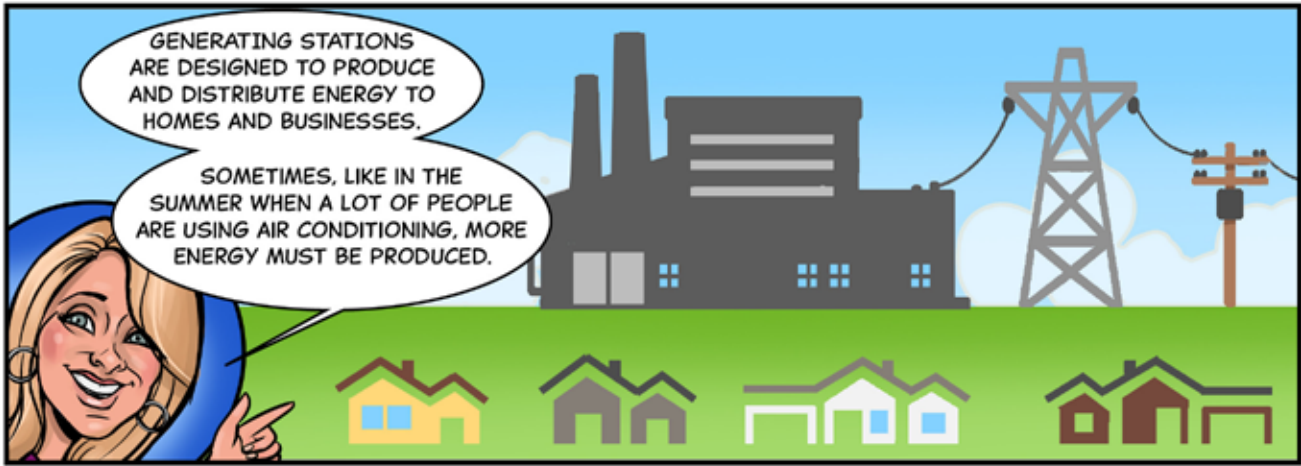






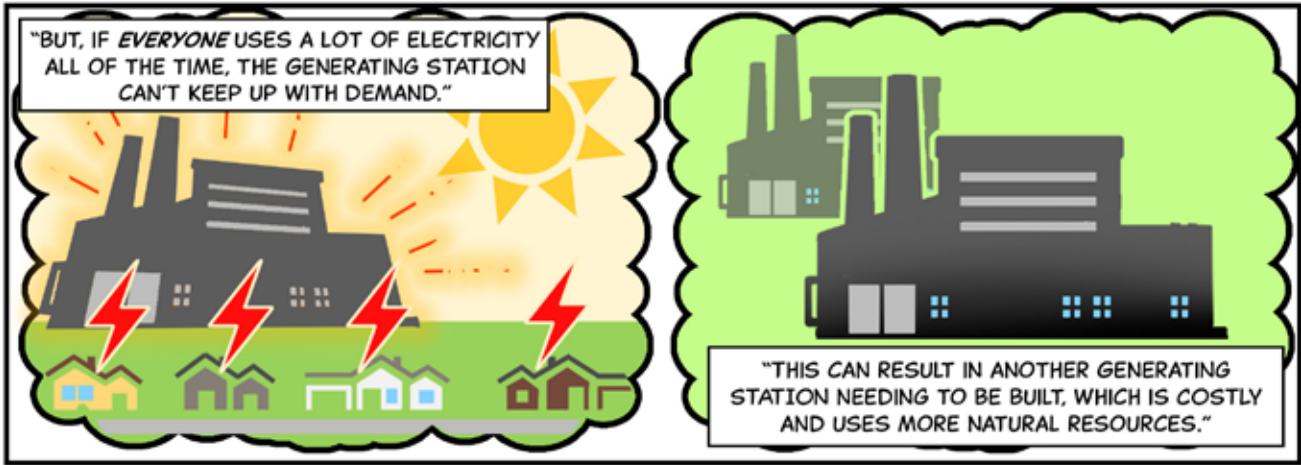






GENERATING STATIONS ARE DESIGNED TO PRODUCE AND DISTRIBUTE ENERGY TO HOMES AND BUSINESSES.

SOMETIMES, LIKE IN THE SUMMER WHEN A LOT OF PEOPLE ARE USING AIR CONDITIONING, MORE ENERGY MUST BE PRODUCED.



"BUT, IF *EVERYONE* USES A LOT OF ELECTRICITY ALL OF THE TIME, THE GENERATING STATION CAN'T KEEP UP WITH DEMAND."

"THIS CAN RESULT IN ANOTHER GENERATING STATION NEEDING TO BE BUILT, WHICH IS COSTLY AND USES MORE NATURAL RESOURCES."



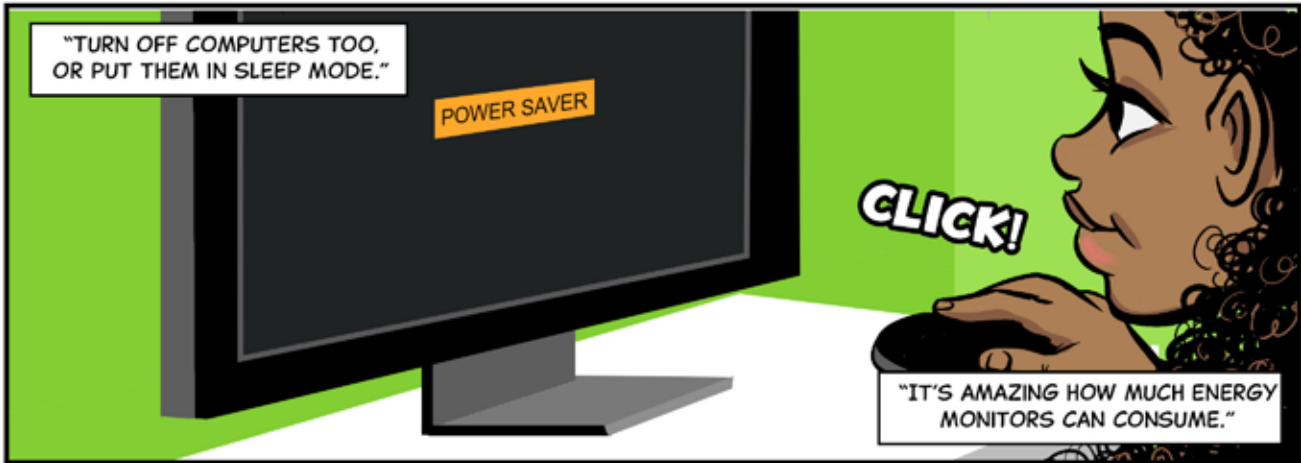
A BETTER SOLUTION IS TO *SAVE ENERGY!*



THERE ARE SO MANY WAYS YOU CAN STOP ENERGY WASTE ...

... FROM SIMPLE CHANGES IN HABITS, TO MAKING YOUR HOME MORE ENERGY EFFICIENT!





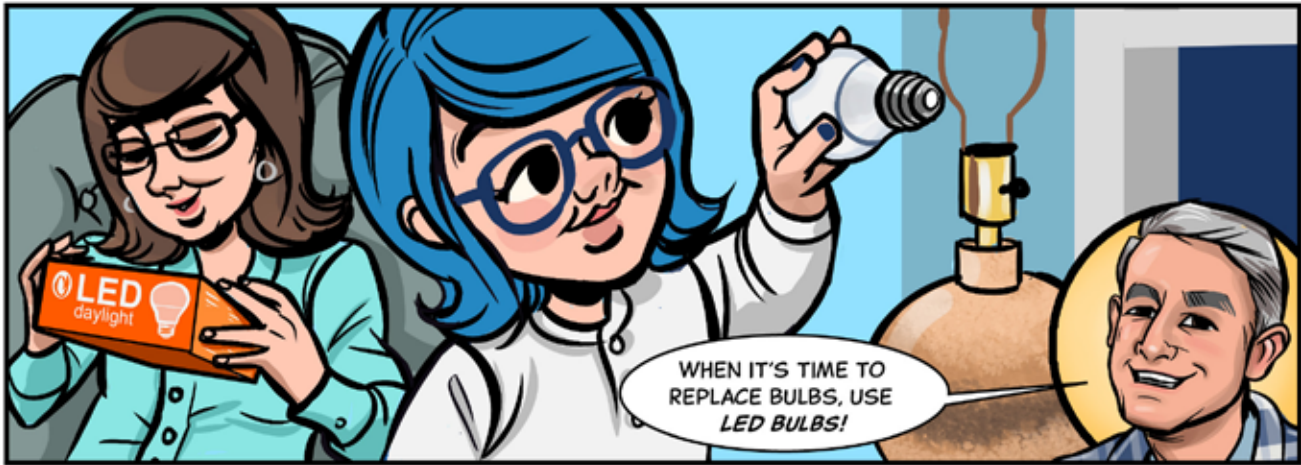




HERE'S ONE A LOT OF PEOPLE DON'T THINK ABOUT.

DON'T LEAVE YOUR REFRIGERATOR DOOR OPEN FOR A LONG TIME.

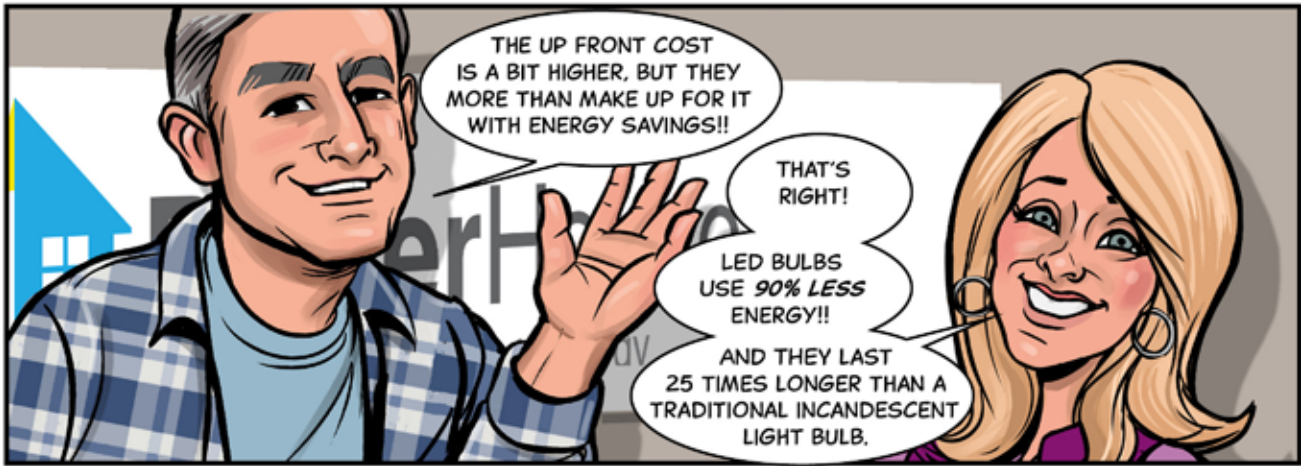
EVERY TIME YOU OPEN THE DOOR, UP TO ONE-THIRD OF THE COLD AIR CAN ESCAPE!



WHEN IT'S TIME TO REPLACE BULBS, USE LED BULBS!



AREN'T THOSE BULBS REALLY EXPENSIVE?



THE UP FRONT COST IS A BIT HIGHER, BUT THEY MORE THAN MAKE UP FOR IT WITH ENERGY SAVINGS!!

THAT'S RIGHT!

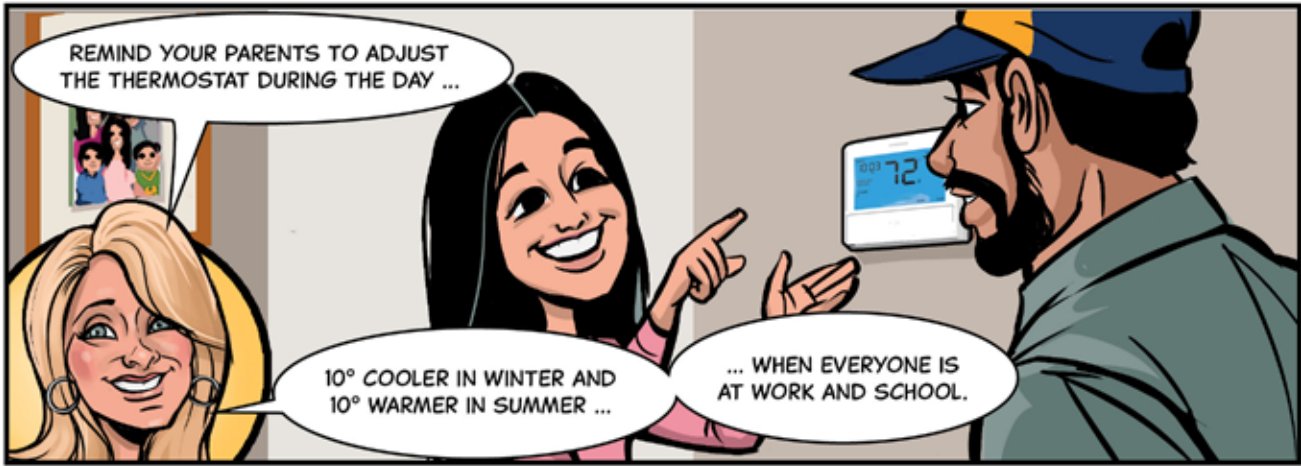
LED BULBS USE 90% LESS ENERGY!!

AND THEY LAST 25 TIMES LONGER THAN A TRADITIONAL INCANDESCENT LIGHT BULB.





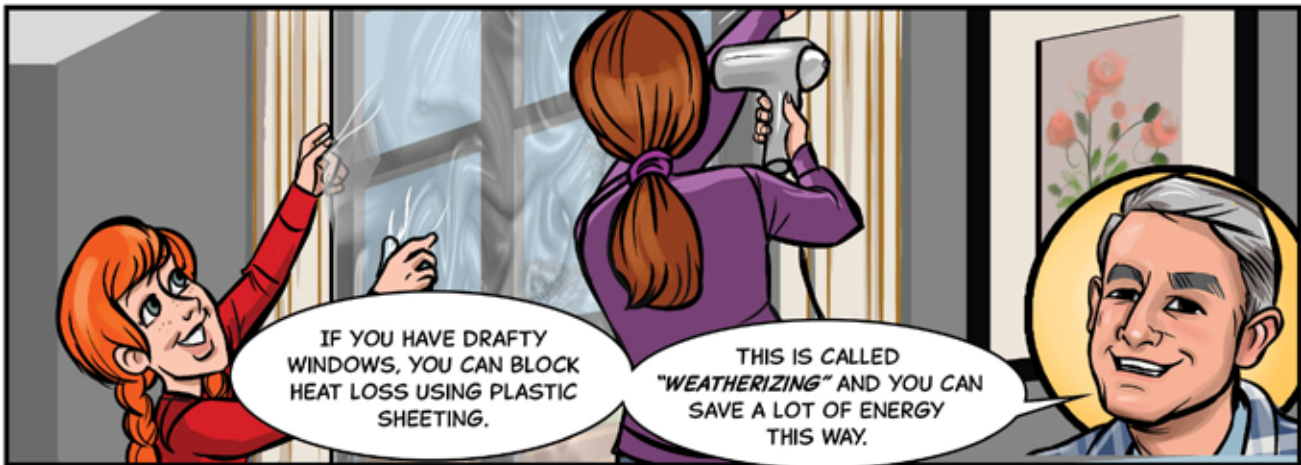




REMINDE YOUR PARENTS TO ADJUST THE THERMOSTAT DURING THE DAY ...

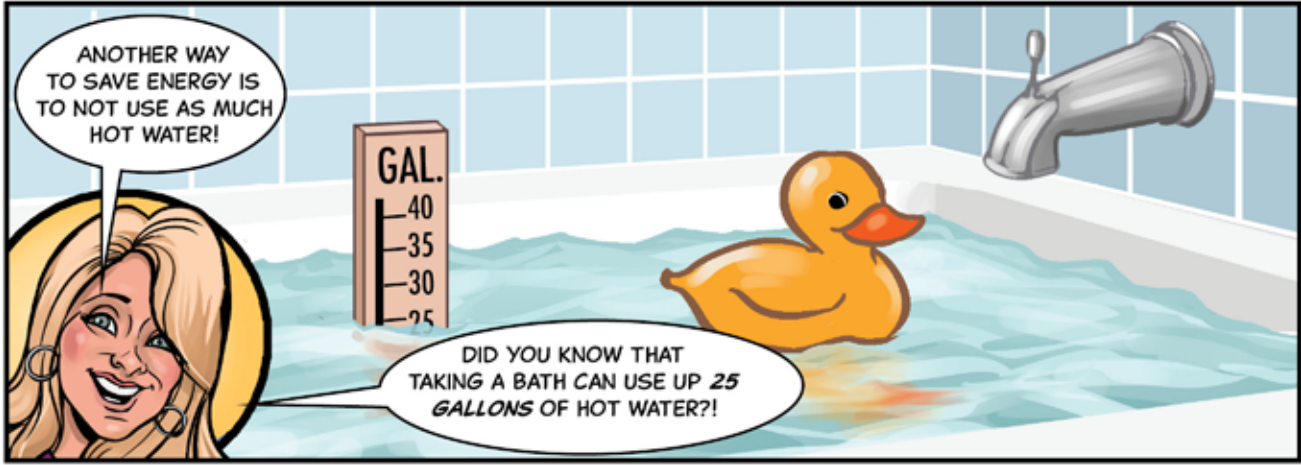
10° COOLER IN WINTER AND 10° WARMER IN SUMMER ...

... WHEN EVERYONE IS AT WORK AND SCHOOL.



IF YOU HAVE DRAFTY WINDOWS, YOU CAN BLOCK HEAT LOSS USING PLASTIC SHEETING.

THIS IS CALLED "WEATHERIZING" AND YOU CAN SAVE A LOT OF ENERGY THIS WAY.



ANOTHER WAY TO SAVE ENERGY IS TO NOT USE AS MUCH HOT WATER!

DID YOU KNOW THAT TAKING A BATH CAN USE UP 25 GALLONS OF HOT WATER?!



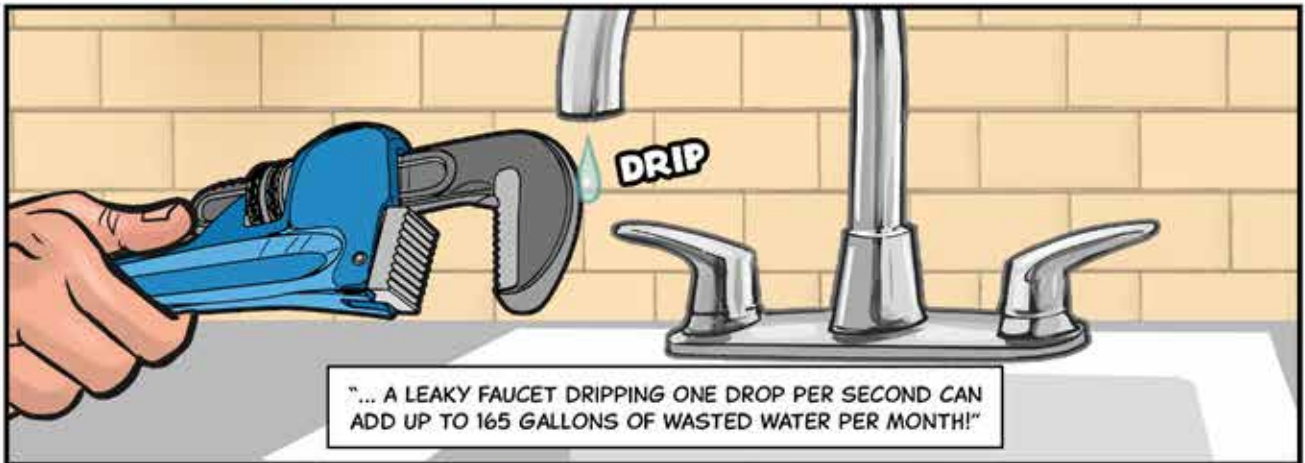
TAKE A SHOWER INSTEAD! A FIVE-MINUTE SHOWER ONLY USES SEVEN GALLONS!

FIVE MINUTES?! THAT'S A QUICK SHOWER!

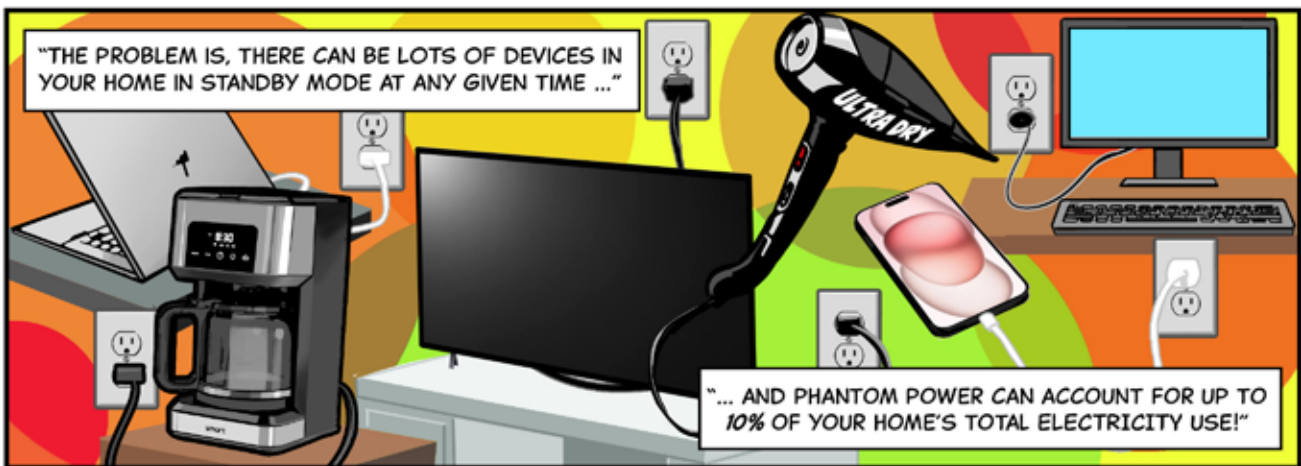
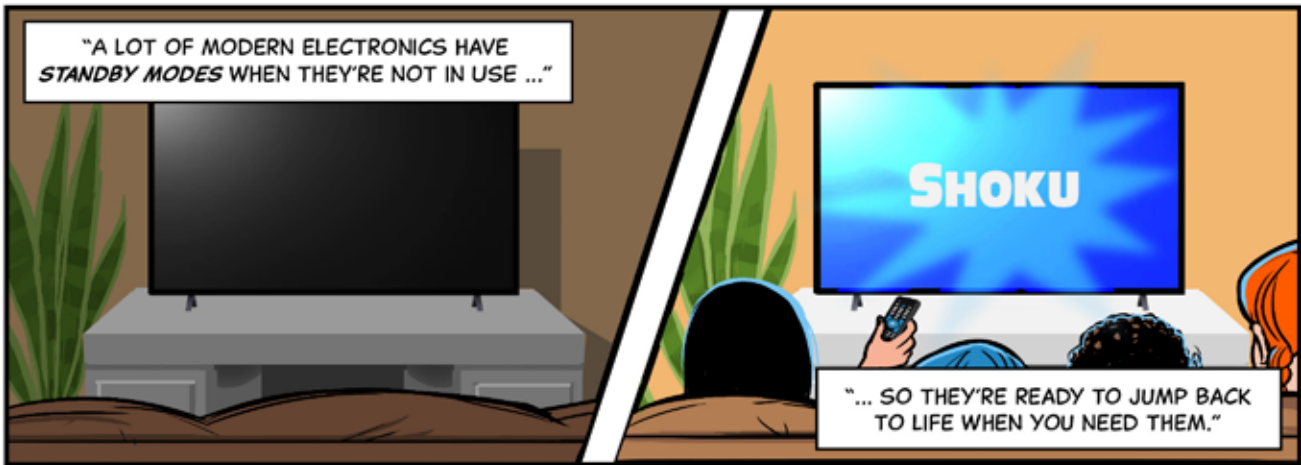
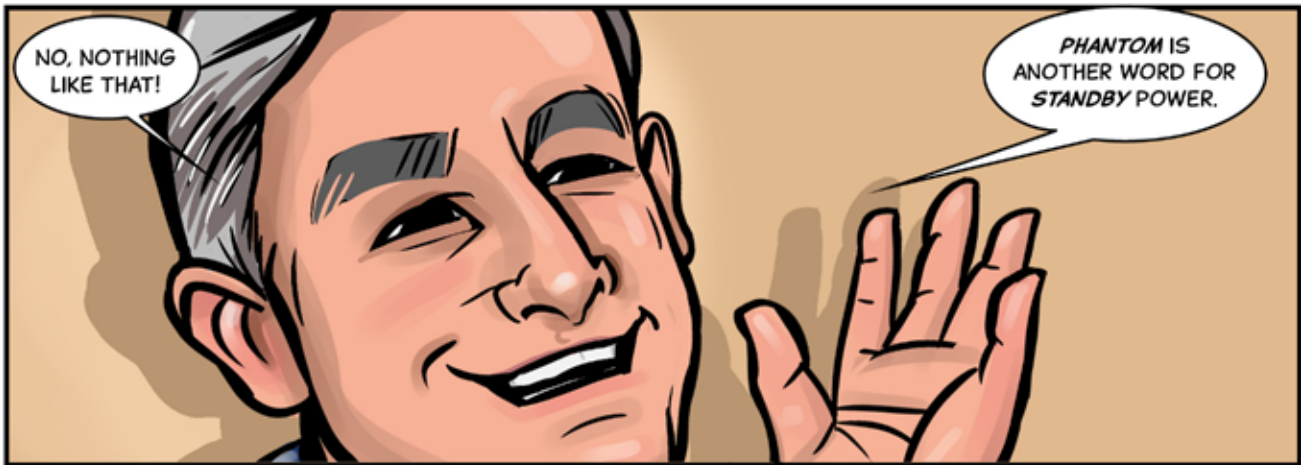
IF YOU SET A TIMER, YOU'LL SEE IT'S PLENTY OF TIME!

AND IT WILL REALLY SAVE WATER!

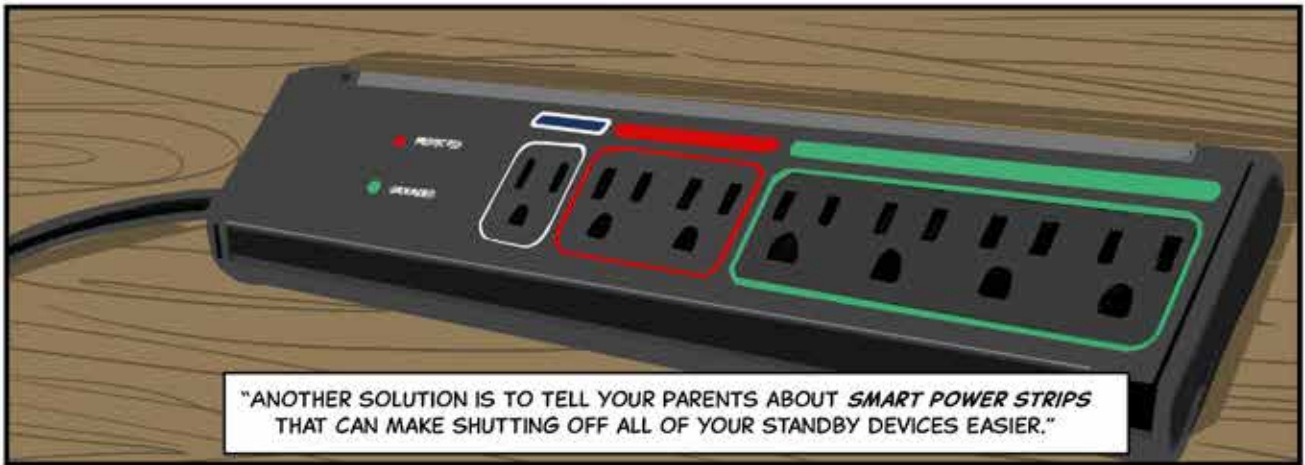




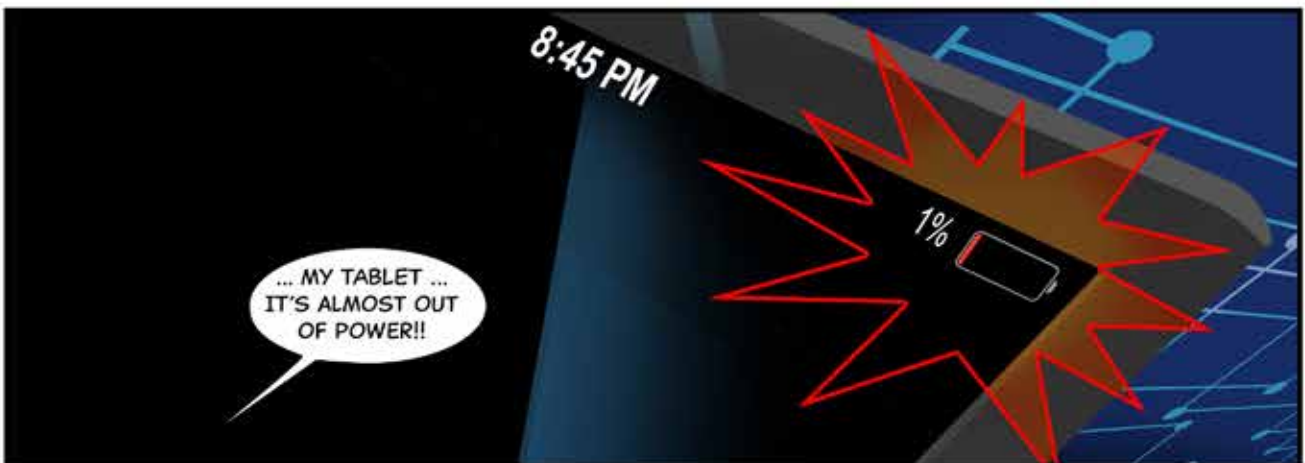
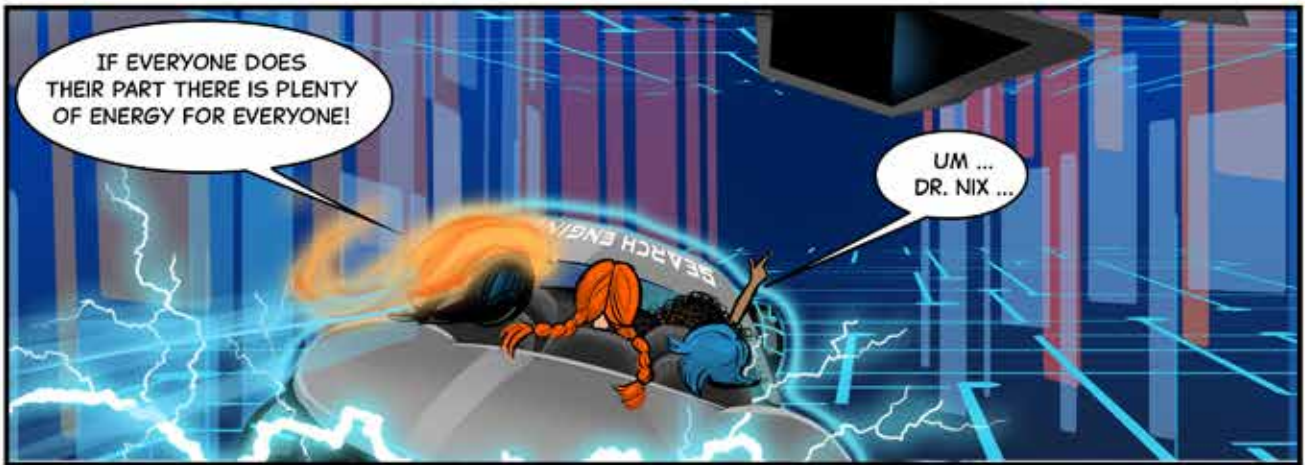








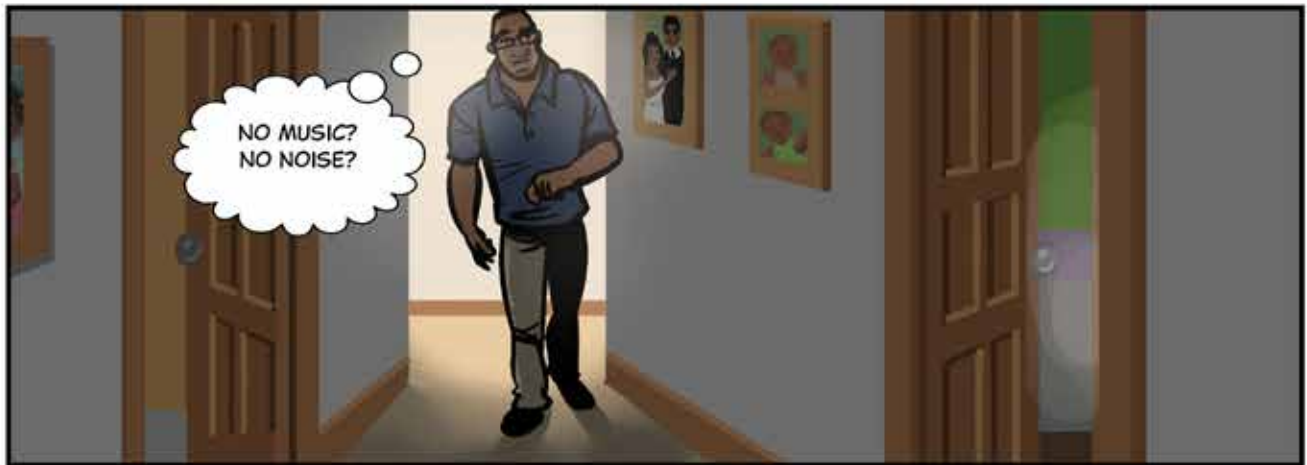












HEY, DAD!

WE'RE TELLING SCARY STORIES!

YEAH! ABOUT PHANTOMS EATING THE ELECTRICITY!



OKAAYY ...

OH AND HEY, DAD?

CAN YOU GET ME A SMART POWER STRIP? THANKS, DAD!

SUUURE.



THANKS FOR JOINING AKILAH ON THIS ADVENTURE! DID YOU FIND THE ANSWERS TO THE QUESTIONS ON THE INSIDE FRONT COVER? YOU CAN CHECK YOUR ANSWERS HERE!

YOU MADE IT TO THE END OF THE BOOK, BUT YOUR QUEST TO SAVE ENERGY IS JUST BEGINNING!

1. Work.
2. They both use wind power.
3. LEDs. They use 90% less energy and can last 25 times longer than incandescent bulbs.
4. Unplug it.
5. Smart power strips.

HERE ARE A FEW WAYS TO SAVE ENERGY IN YOUR HOME!



Unplug your phone charger when you're done charging.

Set your video game console to energy saving mode.



Turn off the lights and ceiling fans when you leave a room.



Open the refrigerator sparingly, and don't leave it open for long.

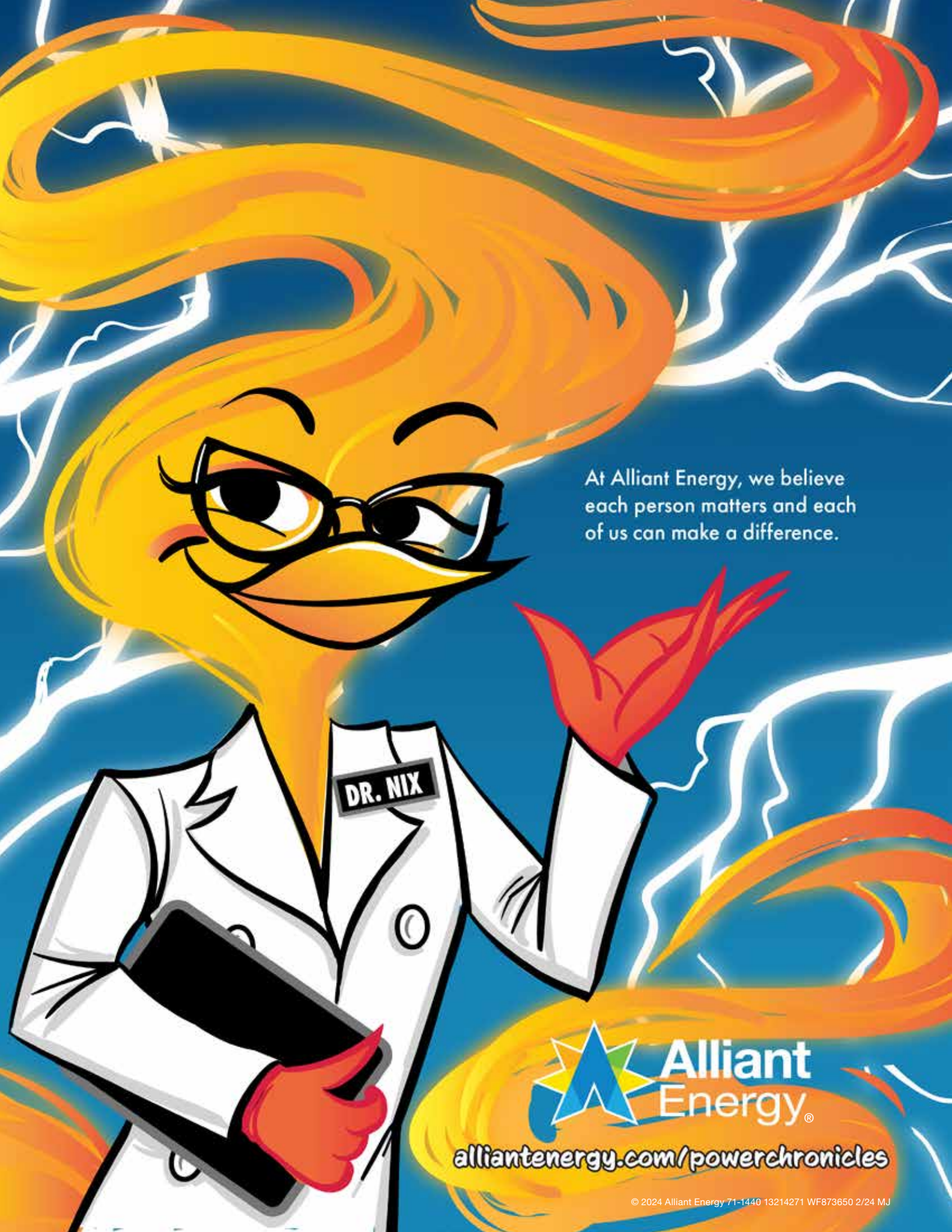


Turn off the television when you're done watching it.

Take shorter showers to conserve water and heating.







DR. NIX

At Alliant Energy, we believe each person matters and each of us can make a difference.



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