

Everyone Can **SAVE ENERGY**

Activity Book



Be an ENERGY SMART Electrosaurus[®]

 Manitoba
Hydro

ELECTROSAURUS®

The ENERGY SMART Dinosaur

Originally developed in 1996, the Electrosaurus dinosaur was designed to teach children about saving energy. The Electrosaurus character was first introduced in Manitoba Hydro's school poster program.

Since then a series of Electrosaurus posters have been created. An Electrosaurus activity book and colouring book complement the program. An Electrosaurus mascot can be seen at various community activities. The Electrosaurus figure is also located at the Manitoba Electrical Museum and Education Centre in Winnipeg.

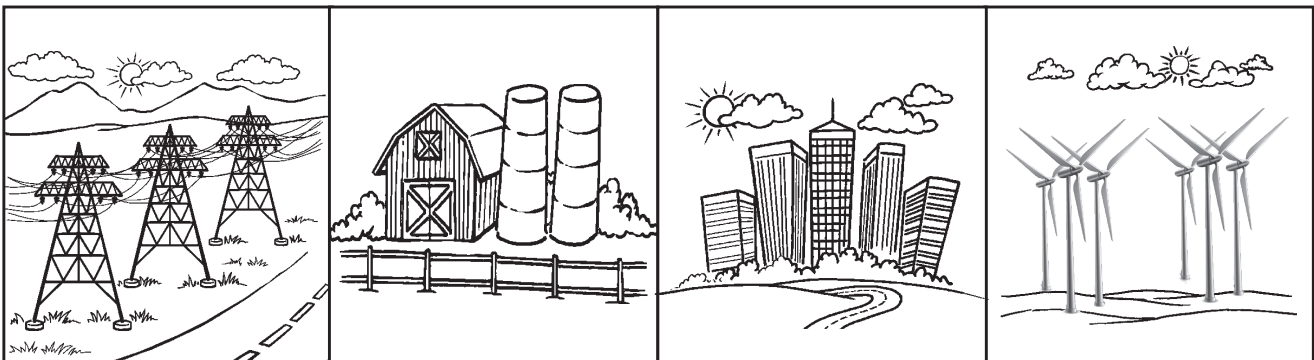
In our energy conscious world, Electrosaurus has an important message for everyone:

**“Use resources wisely or we may,
like the dinosaur, become extinct.”**

Energy Scramble

Did you know that energy can come from many different sources, like water, wind and the sun? Unscramble the words using the sentences for clues.

- LORAS** _____ energy comes from the sun.
- NIWD** Renewable energy sources include _____, sun and falling water, and can never be used up.
- SUE ESLS** To conserve means to _____
_____ of something, or to use it more carefully so it lasts longer.
- EGERYN** Your conservation efforts make your home more _____-efficient.
- THEA** Global warming means that the earth is getting too warm because certain gases in the air trap _____ from the sun.



Energy and You

Use these energy words in the story below:

wisely

energy

environment

lights

waste

good

showers

difference

home

appetites

sweater

thermostat

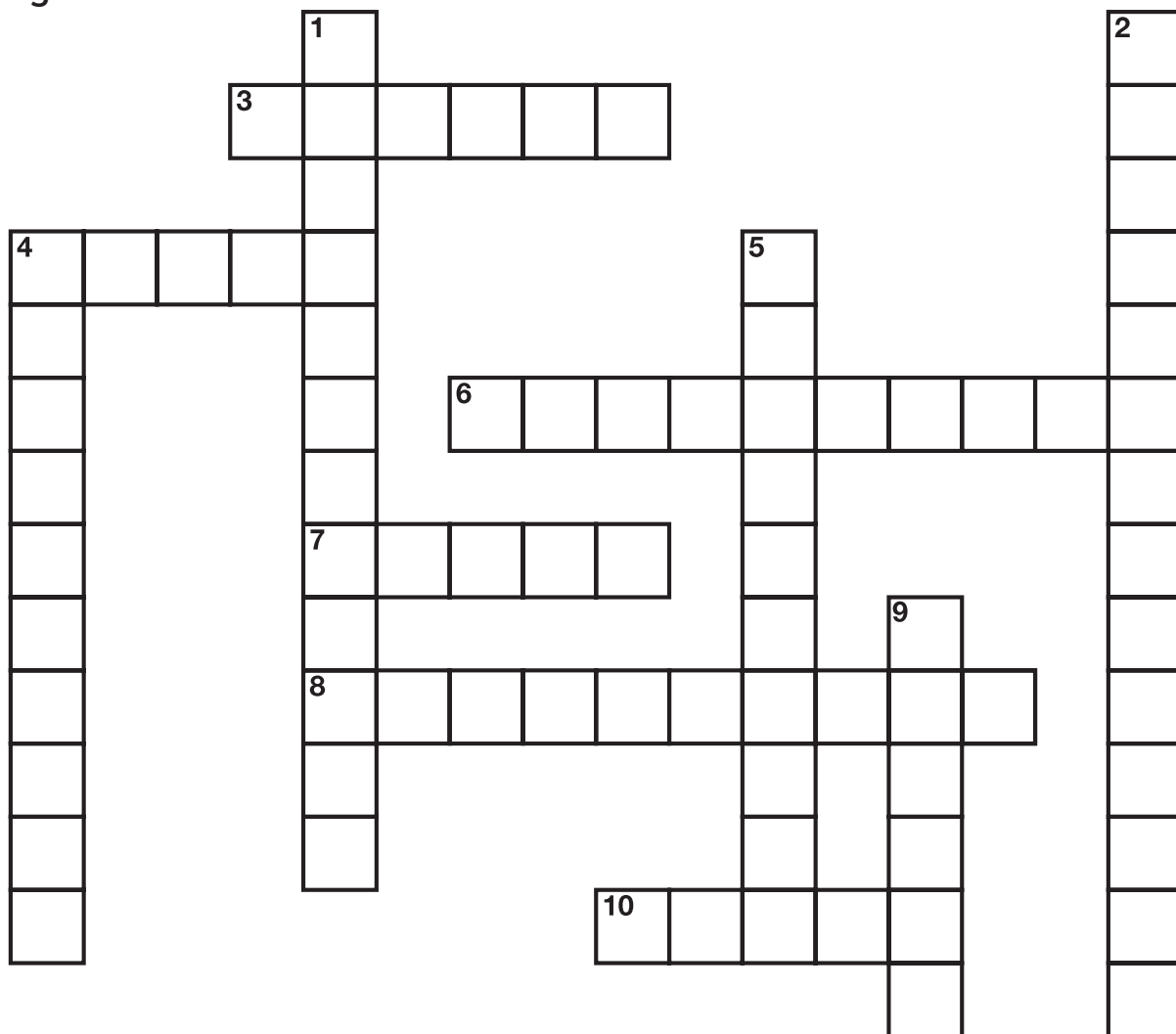
As the population continues to grow, so must our concern for our _____ . Many families _____ electricity every day. Bad habits in the _____ can waste electricity, so put yourself on an _____ diet.

Some _____ tips to know are: shorter _____ save power; small appliances have little _____ ; lower the _____ and wear a _____ ; and turn out the _____ when you leave the room.

We all need to use energy and our resources _____ . The future is in our hands, we can make a world of _____ if we each do our part.

Energy Crossword

Appliances in our homes use energy. Every month, your family gets one or more energy bills. These bills explain how much energy you used and how much you must pay. Remember to turn off the computer, video games, radio, and television when you are not using them.



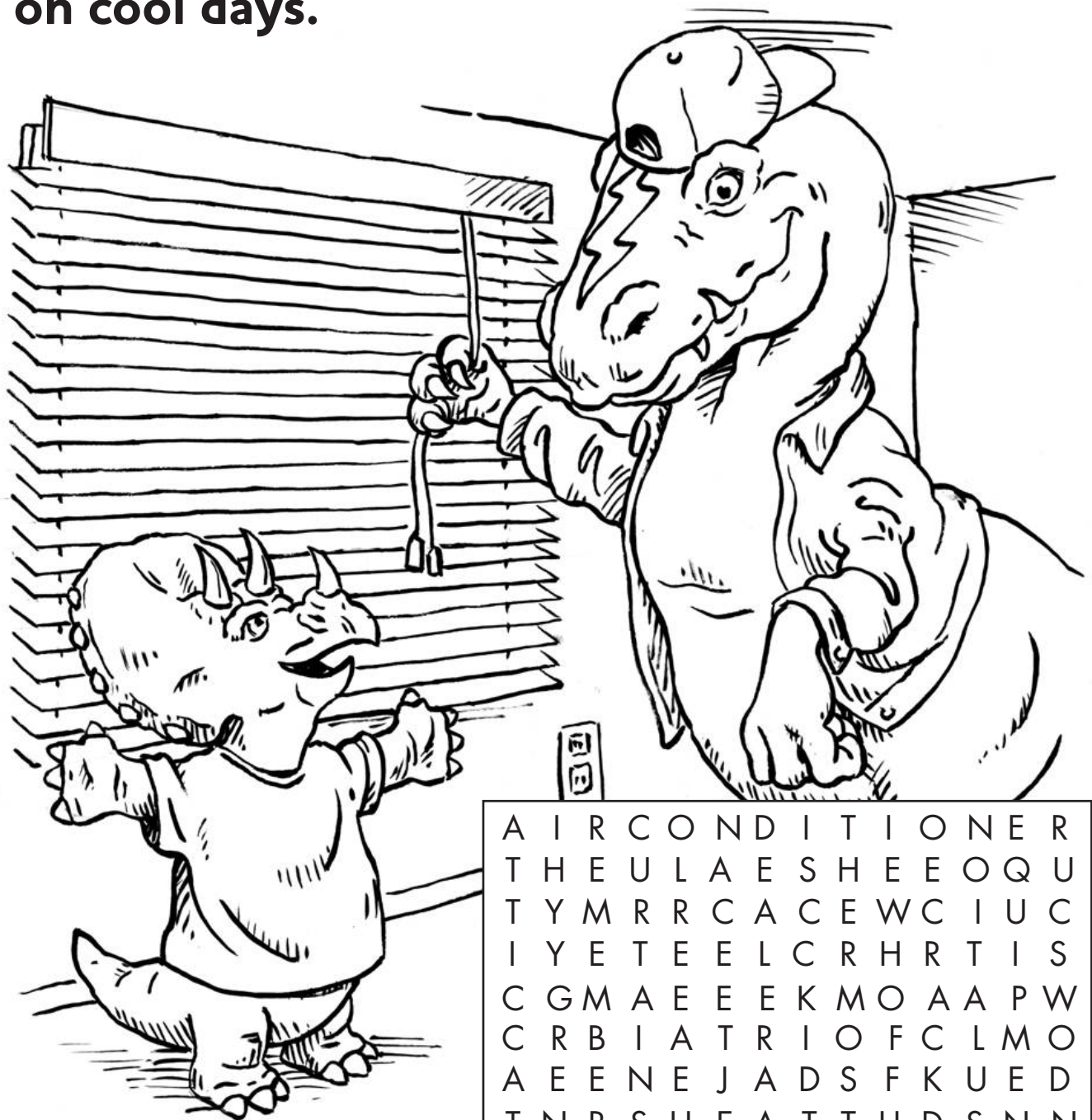
ACROSS

3. I keep your home warm.
4. Wet clothes are put in me.
6. You can find me in your attics and walls.
7. I play music for you.
8. Turn me down and put on a sweater.
10. I cook and bake food.

DOWN

1. I keep milk and juice cool.
2. I cool your home.
4. Dirty dishes are put in me.
5. Watch your favourite shows on me.
9. Dirty clothes are put in me.

Open the blinds to let the sun heat the room on cool days.



Word Search

Everything we do to save energy makes a difference. Find the energy related words. They may be written up, down, forwards, backwards or diagonally.

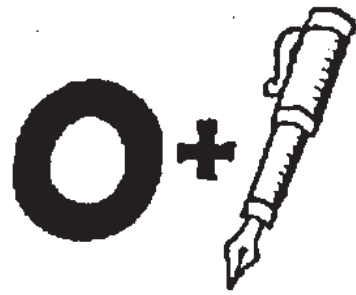
A	I	R	C	O	N	D	I	T	I	O	N	E	R
T	H	E	U	L	A	E	S	H	E	E	O	Q	U
T	Y	M	R	R	C	A	C	E	W	C	I	U	C
I	Y	E	T	E	E	L	C	R	H	R	T	I	S
C	G	M	A	E	E	E	K	M	O	A	A	P	W
C	R	B	I	A	T	R	I	O	F	C	L	M	O
A	E	E	N	E	J	A	D	S	F	K	U	E	D
T	N	R	S	H	E	A	T	T	U	D	S	N	N
R	E	T	L	I	F	R	I	A	I	N	N	T	I
N	O	I	T	A	C	A	V	T	T	F	I	K	W

AIR CONDITIONER
 AIR FILTER
 INSULATION
 THERMOSTAT
 WINDOWS
 EQUIPMENT
 ENERGY

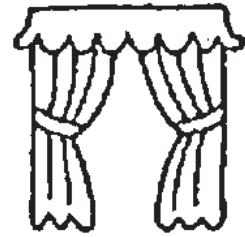
ATTIC
 REMEMBER
 VACATION
 CURTAINS
 CLEAN
 DOOR

SEAL
 CRACK
 OFF
 HEAT
 SUN
 SET

Rebus Word Puzzle



THE



THE

DAY

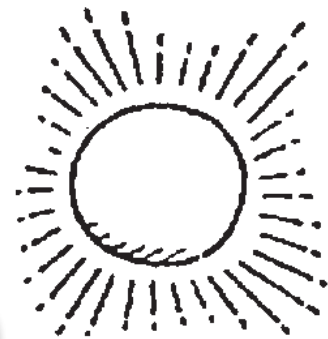


LET

N



FROM
THE



Try this!

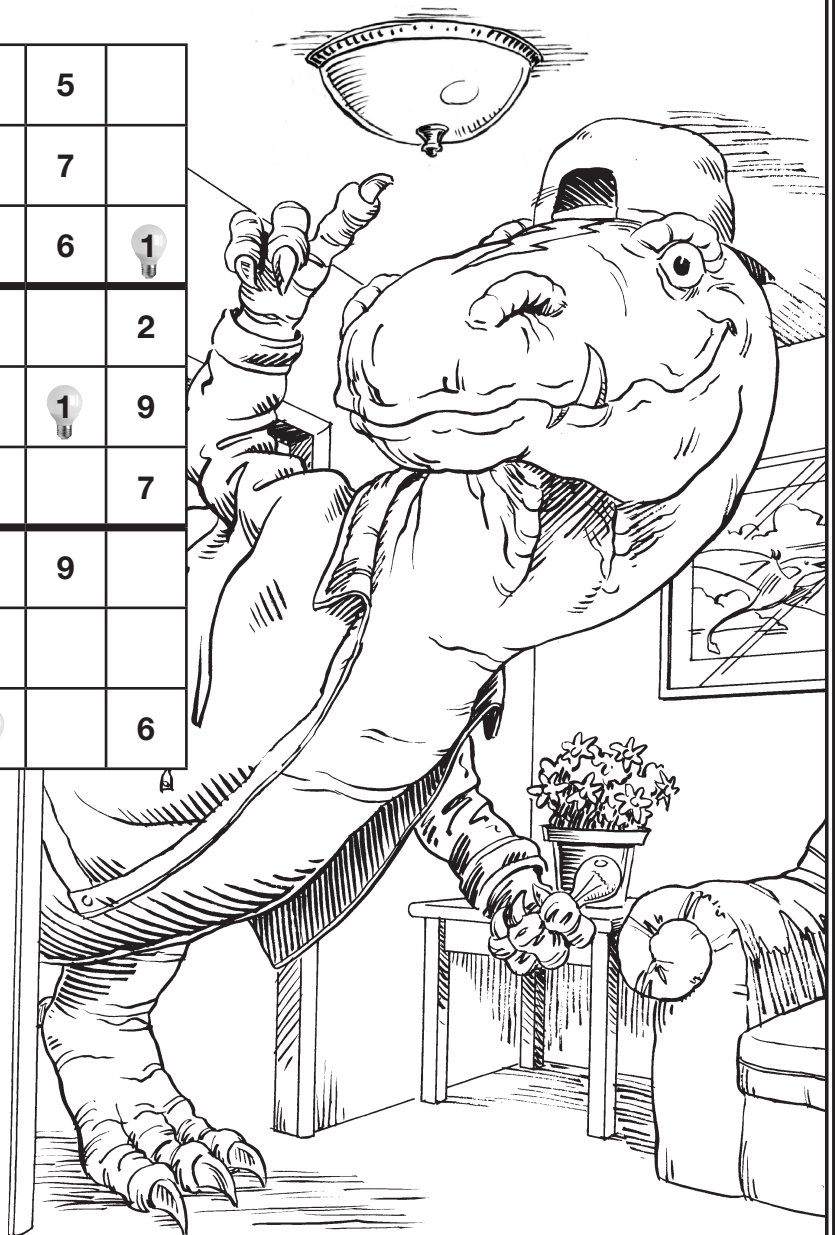
Use the blinds (or curtains) to let in the sun or block it out. When it's cold outside, open the blinds to let the sun heat up your room. When it's hot outside, close the blinds to keep the room cool.

Do the Math

If every home in Manitoba replaced just one incandescent light bulb with an LED light bulb, we would save enough electricity to power more than 1,200 homes per year.

	7		1	4	2		5	
1	4			8			7	
	9			5			6	1
7		1			9			2
	5	6			4	3	1	9
		4		1	5			7
5			3		1		9	
3	1			6		8		
4			5			1		6

Fill in the grid so that every row, every column, and every 3x3 box contains the digits 1 through 9, with no repeats. That means that no number is repeated in any row, column, or box.



Word Puzzler

Directions: Starting with the letter "E", go around the circle clockwise. Skip 2 letters at a time, and write down the 3rd letter until the secret message is complete.



E¹V² _____ !

Home Energy Efficiency Checklist

Is your household doing as much as it can to save energy? Do this inspection with your parents or another adult, and remind your family to save energy.



	Yes	Not Yet
1. Do you turn off lights and computers when you are not using them?	<input type="checkbox"/>	<input type="checkbox"/>
2. Do you have LED lights in your home?	<input type="checkbox"/>	<input type="checkbox"/>
3. Do you wash most of your laundry in cold water?	<input type="checkbox"/>	<input type="checkbox"/>
4. Do you have energy and water saving showerheads?	<input type="checkbox"/>	<input type="checkbox"/>
5. Do you take short showers and/or half-full baths?	<input type="checkbox"/>	<input type="checkbox"/>
6. Do you run full loads in your dishwasher, clothes washer, and dryer?	<input type="checkbox"/>	<input type="checkbox"/>
7. Do you use the "Air Dry" or "No-Heat Dry" setting on your dishwasher?	<input type="checkbox"/>	<input type="checkbox"/>
8. Do you close drapes or blinds to help keep the heat out during the summer and to help keep the heat in during the winter?	<input type="checkbox"/>	<input type="checkbox"/>
9. Do your doors and windows have weatherstripping and caulking to block drafts?	<input type="checkbox"/>	<input type="checkbox"/>
10. Has your family unplugged appliances you rarely use, such as a second refrigerator or freezer?	<input type="checkbox"/>	<input type="checkbox"/>
11. Is regular maintenance done on your heating and cooling system? Are the furnace filters cleaned or replaced regularly?	<input type="checkbox"/>	<input type="checkbox"/>

Answer Key

“ENERGY SCRAMBLE” ANSWERS (page 1)

1. Solar 2. Wind 3. Use Less 4. Energy 5. Heat

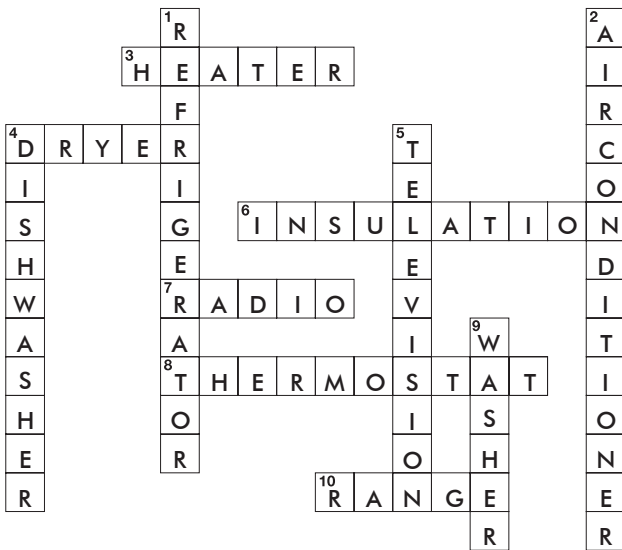
“ENERGY AND YOU” ANSWERS (page 2)

As the population continues to grow, so must our concern for our environment. Many families waste electricity every day. Bad habits in the home can waste electricity, so put yourself on an energy diet.

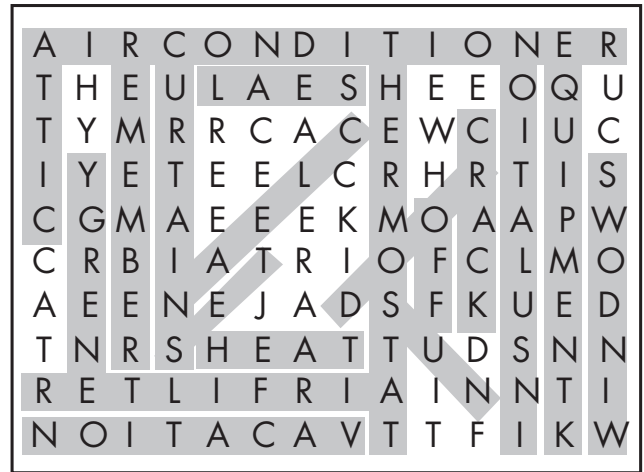
Some good tips to know are: shorter showers save power; small appliances have little appetites; lower the thermostat and wear a sweater; and turn out the lights when you leave the room.

We all need to use energy and our resources wisely. The future is in our hands, we can make a world of difference if we each do our part.

“ENERGY CROSSWORD” ANSWERS (page 3)



“WORD SEARCH” ANSWERS (page 4)



“REBUS WORD PUZZLE” ANSWERS (page 5)

Open the curtains
 During the day
 To let in
 Heat from the sun

“DO THE MATH!” ANSWERS (page 6)

6	7	3	1	4	2	9	5	8
1	4	5	9	8	6	2	7	3
8	9	2	7	5	3	4	6	1
7	8	1	6	3	9	5	4	2
2	5	6	8	7	4	3	1	9
9	3	4	2	1	5	6	8	7
5	6	8	3	2	1	7	9	4
3	1	9	4	6	7	8	2	5
4	2	7	5	9	8	1	3	6

“WORD PUZZLER” ANSWER (page 7)

E²V²ERYONE CAN SAVE ENERGY!

**To learn more about
energy efficiency and sustainability,
visit hydro.mb.ca/teachers**

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Available in accessible formats upon request.

