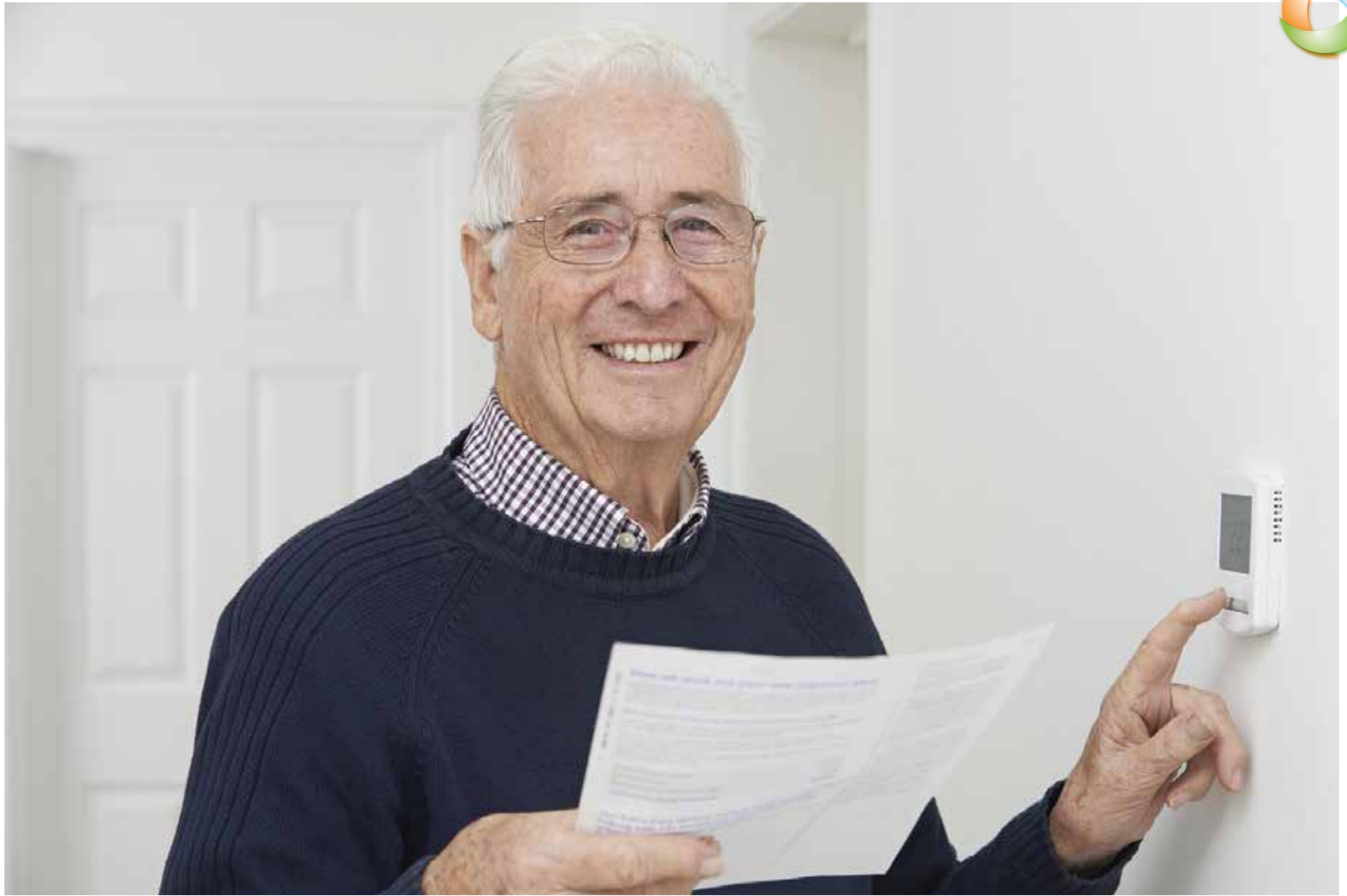




COWLITZ  
**pudco**  
ENERGYEFFICIENCY  
2016 CALENDAR



**Lower your thermostat when you go to bed or when you are not home. Use a programmable thermostat so it is automatic. Every degree lowers your power bill by 2 percent.**

# January

DECEMBER 2015  
 S M T W T F S  
 1 2 3 4 5  
 6 7 8 9 10 11 12  
 13 14 15 16 17 18 19  
 20 21 22 23 24 25 26  
 27 28 29 30 31

FEBRUARY 2016  
 S M T W T F S  
 1 2 3 4 5 6  
 7 8 9 10 11 12 13  
 14 15 16 17 18 19 20  
 21 22 23 24 25 26 27  
 28 29



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SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
					1 New Year's Day Office closed  ☾ Last Quarter	2
3	4	5	6	7	8	9  New Moon
10	11	12	13	14	15	16  ☾ First Quarter
17	18 Martin Luther King Jr. Day	19	20	21	22	23  ☉ Full Moon
24  31  ☾ Last Quarter	25	26	27	28	29	30



**Close your fireplace damper when there is no fire. Leaving it open is like having a 48-inch-square hole in your house.**

# February

JANUARY 2016

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

MARCH 2016

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	



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SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	1	2	3	4	5	6
7	8 New Moon	9	10	11	12	13
14 Valentine's Day  ☾ First Quarter	15 Presidents Day Office closed	16	17	18	19	20
21	22 ○ Full Moon	23	24	25	26	27
28	29					



**For long-term savings, use energy-efficient appliances. Compare Energy Guide labels before you buy and look for the Energy Star logo.**

# March

FEBRUARY 2016  
 S M T W T F S  
 1 2 3 4 5 6  
 7 8 9 10 11 12 13  
 14 15 16 17 18 19 20  
 21 22 23 24 25 26 27  
 28 29

APRIL 2016  
 S M T W T F S  
 1 2  
 3 4 5 6 7 8 9  
 10 11 12 13 14 15 16  
 17 18 19 20 21 22 23  
 24 25 26 27 28 29 30



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SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		1 ☾ Last Quarter	2	3	4	5
6	7	8 ☽ New Moon	9	10	11	12
13 ☀ Daylight Saving Time Begins	14	15 ☾ First Quarter	16	17 St. Patrick's Day	18	19
20 ☀ First Day of Spring	21	22	23 ☽ Full Moon	24	25 Good Friday	26
27 Easter	28	29	30	31 ☾ Last Quarter		



**Take showers with low-flow showerheads instead of baths (they use 50 percent less water).**

# April

MARCH 2016							MAY 2016						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
		1	2	3	4	5	1	2	3	4	5	6	7
6	7	8	9	10	11	12	8	9	10	11	12	13	14
13	14	15	16	17	18	19	15	16	17	18	19	20	21
20	21	22	23	24	25	26	22	23	24	25	26	27	28
27	28	29	30	31			29	30	31				



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SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
					1	2
3	4	5	6	7 New Moon	8	9
10	11	12	13 ☾ First Quarter	14	15	16
17	18	19	20	21 ○ Full Moon	22 Earth Day	23
24	25	26	27	28	29 ☾ Last Quarter	30



**Make it a habit to turn off lights, computers and other devices when you are not using them. Consider plugging electronic devices into an energy smart strip.**

# May

APRIL 2016							JUNE 2016						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
					1	2				1	2	3	4
3	4	5	6	7	8	9	5	6	7	8	9	10	11
10	11	12	13	14	15	16	12	13	14	15	16	17	18
17	18	19	20	21	22	23	19	20	21	22	23	24	25
24	25	26	27	28	29	30	26	27	28	29	30		



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SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1	2	3	4	5	6 New Moon	7
8 Mother's Day	9	10	11	12	13 ☾ First Quarter	14
15	16	17	18	19	20	21 Armed Forces Day
22	23	24	25	26	27	28 ☉ Full Moon
29 ☾ Last Quarter	30 Memorial Day Office Closed	31				



**Air-dry your dishes or use the air-dry feature on your dishwasher. Use a clothesline to dry clothes when weather permits.**

# June

MAY 2016							JULY 2016						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7						1	2
8	9	10	11	12	13	14	3	4	5	6	7	8	9
15	16	17	18	19	20	21	10	11	12	13	14	15	16
22	23	24	25	26	27	28	17	18	19	20	21	22	23
29	30	31					24	25	26	27	28	29	30
							31						



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SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
			1	2	3	4 New Moon
5	6	7	8	9	10	11
12 ☾ First Quarter	13	14 Flag Day	15	16	17	18
19 Father's Day	20 First Day of Summer ○ Full Moon	21	22	23	24	25
26	27 ☾ Last Quarter	28	29	30		



**Set your water heater to 120 F, which is comfortable for most uses. Turn down your water heater temperature or set to vacation mode if you are going to be away from your home for more than a week.**

# July

JUNE 2016

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

AUGUST 2016

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	



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SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
					1	2
3	4 Independence Day Office closed  New Moon	5	6	7	8	9
10	11  ☾ First Quarter	12	13	14	15	16
17	18	19  ○ Full Moon	20	21	22	23
24 31	25	26  ☾ Last Quarter	27	28	29	30



**Use toaster ovens, slow cookers and microwaves. They use less energy than the stove or oven when cooking small or medium-sized meals.**

# August

JULY 2016							SEPTEMBER 2016						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
					1	2					1	2	3
3	4	5	6	7	8	9	4	5	6	7	8	9	10
10	11	12	13	14	15	16	11	12	13	14	15	16	17
17	18	19	20	21	22	23	18	19	20	21	22	23	24
24	25	26	27	28	29	30	25	26	27	28	29	30	
31													



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SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	1	2 New Moon	3	4	5	6
7	8	9	10 ☾ First Quarter	11	12	13
14	15	16	17	18 ☉ Full Moon	19	20
21	22	23	24 ☾ Last Quarter	25	26	27
28	29	30	31			



**Switch to LED light bulbs. They use a fifth of the energy used by incandescent bulbs.**

# September

AUGUST 2016  
 S M T W T F S  
 1 2 3 4 5 6  
 7 8 9 10 11 12 13  
 14 15 16 17 18 19 20  
 21 22 23 24 25 26 27  
 28 29 30 31

OCTOBER 2016  
 S M T W T F S  
 1  
 2 3 4 5 6 7 8  
 9 10 11 12 13 14 15  
 16 17 18 19 20 21 22  
 23 24 25 26 27 28 29  
 30 31



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SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
				1  New Moon	2	3
4	5 Labor Day Office closed	6	7	8	9  ☾ First Quarter	10
11	12	13	14	15	16  ○ Full Moon	17
18	19	20	21	22 First Day of Autumn	23  ☽ Last Quarter	24
25	26	27	28	29	30  New Moon	



**Check attic and crawl spaces to ensure there is adequate insulation. Contact Energy Efficiency Services for a free energy audit.**

# October

SEPTEMBER 2016  
 S M T W T F S  
           1 2 3  
 4 5 6 7 8 9 10  
 11 12 13 14 15 16 17  
 18 19 20 21 22 23 24  
 25 26 27 28 29 30

NOVEMBER 2016  
 S M T W T F S  
           1 2 3 4 5  
 6 7 8 9 10 11 12  
 13 14 15 16 17 18 19  
 20 21 22 23 24 25 26  
 27 28 29 30



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SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
						1
2	3 Rosh Hashanah	4	5	6	7	8
	Public Power Week					☾ First Quarter
9	10 Columbus Day Office closed	11	12 Yom Kippur	13	14	15
						○ Full Moon
16	17	18	19	20	21	22
						☽ Last Quarter
23 New Moon	24 Halloween	25	26	27	28	29
30	31					



**Check your furnace and heat pump filters monthly to keep them operating efficiently. Clogged filters can cause permanent damage.**

# November

OCTOBER 2016

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

DECEMBER 2016

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						



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SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		1	2	3	4	5
6 Daylight Saving Time Ends	7 ☾ First Quarter	8 Election Day	9	10	11 Veterans Day Office closed	12
13	14 ○ Full Moon	15	16	17	18	19
20	21 ☾ Last Quarter	22	23	24 Thanksgiving Day Office closed	25 Office closed	26
27	28	29 New Moon	30			



**Weatherstrip doors and air-seal anywhere you feel a draft.**

# December

NOVEMBER 2016  
 S M T W T F S  
 1 2 3 4 5  
 6 7 8 9 10 11 12  
 13 14 15 16 17 18 19  
 20 21 22 23 24 25 26  
 27 28 29 30

JANUARY 2017  
 S M T W T F S  
 1 2 3 4 5 6 7  
 8 9 10 11 12 13 14  
 15 16 17 18 19 20 21  
 22 23 24 25 26 27 28  
 29 30 31



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SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
				1	2	3
4	5	6	7 Pearl Harbor Remembrance Day  ☾ First Quarter	8	9	10
11	12	13  ○ Full Moon	14	15	16	17
18	19	20  ☾ Last Quarter	21 First Day of Winter	22	23	24 Christmas Eve
25 Christmas Day  Hanukkah Begins	26 Office closed	27	28  New Moon	29	30	31 New Year's Eve

# 25 Great Energy Habits to Adopt

- 1.** Lower your thermostat when you go to bed or when you are not home. Use a programmable thermostat so it is automatic. Every degree lowers your power bill by 2 percent.
- 2.** Make it a habit to turn off lights, computers and other devices when you are not using them. Consider plugging electronic devices into an energy smart strip.
- 3.** Switch to LED light bulbs. They use a fifth of the energy used by incandescent bulbs.
- 4.** Replace halogen lamps in torchieres with LED torchieres. They use about 80 percent less energy and produce more light.
- 5.** Use motion detectors to turn on outdoor lights rather than leaving them on all night.
- 12.** Air-dry your dishes or use the air-dry feature on your dishwasher. Use a clothesline to dry clothes when weather permits.
- 13.** Check your furnace and heat pump filters monthly to keep them operating efficiently. Clogged filters can cause permanent damage.
- 14.** Use kitchen and bathroom fans to reduce moisture in the home, as needed.
- 15.** In the winter, open south-facing drapes and blinds during the day to let in heat. Close all windows at night.
- 16.** Weatherstrip doors and air-seal anywhere you feel a draft.
- 17.** Unplug battery chargers when not in use. Many draw power continuously, even when the device is not plugged into the charger.
- 18.** Set your refrigerator between 36 to 39 F.

**6.** Close your fireplace damper when there is no fire. Leaving it open is like having a 48-inch-square hole in your house.

**7.** Proper landscaping can reduce your cooling load by up to 25 percent. Consider planting deciduous trees for shading your home in the summer.

**8.** Take showers with low-flow showerheads instead of baths (they use 50 percent less water).

**9.** Set your water heater at 120 F, which is comfortable for most uses. Turn down your water heater temperature or set to vacation mode if you are going to be away from your home for more than a week.

**10.** Insulate your water pipes to reduce the risk of freezing.

**11.** Run only full loads in your dishwasher and clothes washers, and wash clothes in cold water.

**19.** Consider using jugs of water to occupy the empty spaces in your fridge. It takes more energy to cool an empty fridge than a full one.

**20.** Clean lint out of refrigerator coils and out of clothes dryers frequently to increase efficiency.

**21.** Use a microwave or toaster oven for cooking and heating small portions.

**22.** Check attic and crawl spaces to ensure there is adequate insulation. Contact Energy Efficiency Services for a free energy audit.

**23.** Replace or repair broken windows.

**24.** Fix disconnected ducts and replace cracked or peeling tape on ducts. Use mastic to seal ducts.

**25.** For long-term savings, use energy-efficient appliances. Compare Energy Guide labels before you buy.

# the benefits of HEAT PUMPS

## **Air-Source Heat Pumps**

The most common type of heat pump is the air-source heat pump, which transfers heat between your house and the outside air. If you heat with electricity, a heat pump can trim the amount of electricity you use for heating by as much as 30 to 40 percent. High-efficiency heat pumps also dehumidify better than standard central air conditioners, resulting in less energy use and more cooling comfort in summer months. Rebates are available for new installations, replacement of an existing heat pump, heat pump



conversions from a forced-air furnace, as well as duct testing and sealing. Both new and existing site-built and manufactured homes are eligible for rebate incentives. Contact Energy Efficiency Services before you start.

### Ductless Heat Pumps

In a home with electric heat, the heating portion of the bill ranges up to 50 percent of the total bill. You can cut that in half by replacing your baseboard, ceiling or wall heaters with a ductless heat pump.

Ductless heating and cooling systems give you more control over your home's temperature and can save you hundreds of dollars per year on your electric heating bill. Cowlitz PUD offers a rebate incentive for qualifying homes that install a ductless heat pump. Increasing comfort has never been this easy and affordable.

Visit [Goingductless.com](http://Goingductless.com) to learn more and find an experienced installer in your area.



# why choose a HEAT PUMP WATER HEATER?

Heat pump water heaters provide much more than reliable hot water. With a heat pump water heater, you will get:

**EFFICIENCY** - Reduce water-heating energy consumption by up to 50 percent compared to standard electric water heaters

**COST SAVINGS** - Save up to 10 percent on your household electric bill

**REBATES** - Contact Energy Efficiency Services for current incentive amounts

**CONTROL** - Dial in efficiency and find the setting that best meets your hot water needs

Learn more at [hotwatersolutionsnw.org](http://hotwatersolutionsnw.org).



# FREE HOMEENERGY AUDITS



The first step to saving energy and money on your bills is a free home energy audit. Your audit will be conducted by a Cowlitz PUD energy efficiency specialist who will assess your home to see where it could be losing energy, then recommend measures you can take to improve the energy efficiency and safety of your home.

If you are looking to save money on your energy bills, weatherizing your home, increasing the comfort of your home, or just want to do your part to decrease energy waste, sign up for an energy audit today.

During your home assessment, the energy efficiency specialist will:

- Inspect insulation levels throughout the home
- Examine the age, efficiency and general condition of your mechanical systems
- Provide general energy-saving tips



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General Information: **(360) 423-2210** or toll free at **(800) 631-1131** [customerservice@cowlitzpud.org](mailto:customerservice@cowlitzpud.org)

Outage Alert Hotline: **(360) 423-1200** or toll free **(855) 497-6937**

Energy Efficiency Services: **(360) 501-9514** [eeservices@cowlitzpud.org](mailto:eeservices@cowlitzpud.org)

Engineering: **(360) 501-9546** [newservice@cowlitzpud.org](mailto:newservice@cowlitzpud.org)

24-Hour Utility Locating Service: **8-1-1**

**For questions on efficiency and saving energy in your home, contact your Energy Efficiency Team.**