

# Home Electricity Audit Worksheet

## Part 1. Lighting – fill out the table

Location	A: # of Light Bulbs	B: Energy use per light bulb (watts)	C: # hours lights are on (estimate)	Daily energy use (watt hours Wh) A x B x C
E.g. Bedroom	2 Halogen 2 LED lights	50 watts 8 watts	3 hrs 8 hrs	2x50x3=300Wh 2x8x8=128Wh

Sum daily energy use for 4 locations	_____ Wh
1000Wh=1kWh	_____ kWh
Daily cost (in Alberta \$0.068/kWh)	\$ _____

## Part 2. Outlets & Electronics – fill out the table

Room	# of Electrical Outlets	How many outlets are being used?	How many computers and TVs?	Are computers and TVs turned off after use?
Example: Living room	6	3	1 TV 2 computers	TV is off 1 computer asleep; 1 computer shut down

**Using your electricity bill, answer the following questions:**

What is the cost of electricity per kWh according to the bill?

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Which month(s) do you use the most electricity?

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How many kWh electricity did you use this month?

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In Canada, the average home electricity use is 11,135kWh/year

How does your home compare?

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How does the example bill below compare?

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*Hint: multiply average cost/day by 365 days*

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**ELECTRICITY** Provided by **ENMAX**

DAYS BILLED:	32	RATE	PREVIOUS READING	DATE	PRESENT READING	DATE	READ TYPE	SITE ID: 0020005638262	MULT	USE(kWh)
METER #:	678418	ERRRO	11576.000	JUN 13	11885.504	JUL 14	Estimate	1.00000		309.504

**New Charges**

Electric Energy Charges - ENMAX Energy Corporation (Regulated Rate Option)	
Energy Charge (Jul 1 to Jul 14)	135.711 kWh @ \$ 0.068000 / kWh ..... \$ 9.23 *
Energy Charge (Jun 13 to Jun 30)	173.793 kWh @ \$ 0.063910 / kWh ..... \$ 11.11 *
Administration Charge (Jun 13 to Jul 14)	..... \$ 6.60 *

**kWh Usage Chart:** A bar chart showing monthly kWh usage from 2018 to 2019. The y-axis ranges from 0 to 360 kWh. The x-axis shows months from '18 to '19. The chart shows usage fluctuating between approximately 150 and 250 kWh per month.

AV COST / DAY \$2.16

**Part 3. Doors & Windows – fill in the table**

Location	# of Glass Layers (if applicable)	Draft? (Y/N)	Direction Windows Facing? (N/S/E/W)	Notes (e.g. which window or door? Weather stripping damaged? Window caulking broken?)
e.g. Front doors	1 layer	Y	South	3 <sup>rd</sup> window from the left 2 <sup>nd</sup> door from the right

**Part 4. Refrigerator – fill in the table**

	Temperature	Adjusted? (Y/N)
<b>Fridge</b>		
<b>Freezer</b>		
<b>Additional?</b>		