

Sample Energy Snapshots

Date	Activity / Sequence of Energy Events	Approximate Duration	How does this activity or event involve energy?
	Alarm clock	Few seconds but clock on 24/7	Electricity produced sound and light (displaying time)
	Battery-powered toothbrush	2 minutes	Power from the battery made the toothbrush rotate. Also heard a buzzing sound.
	Showered	7 minutes	Water was pumped (electricity) to hot water tank where it was heated by oil furnace. (furnace burned oil to warm up water)
	Hairdryer	4 minutes	Electric coils warm up air that the motor draws into the barrel and a fan directs the warm air onto your hair. Dryer makes a noise.
	Refrigerator	opened for 15 seconds but on 24/7	Get juice, milk, butter, and jam from refrigerator. An electric motor runs the refrigerator – keeping food cold. The motor makes a noise.
	Coffee maker	4 minutes	Water is warmed up by electric coils and drips into a pot which is kept warm by a heated burner. The coffee maker also has an illuminated time display.
	Toaster	2 minutes	Hot electric coils toast my bread. I noticed the coils glow bright red! The toast pops out of the top when the toast is ready.
	Checked email on computer	10 minutes	Electricity powered my laptop. Sound and light produced. I also noticed that the laptop gets hot after it is used for a while and sometimes I hear a fan come on.
	Watched morning TV news	20 minutes	Electricity powered TV. Sound and light and like the computer, the TV gets warm after it is on for a while (heat?).
	Went in car to school	15 minutes	Gasoline powered car. Car moves forward (mechanical), has lights, sound, and gets warm after running for a while.