

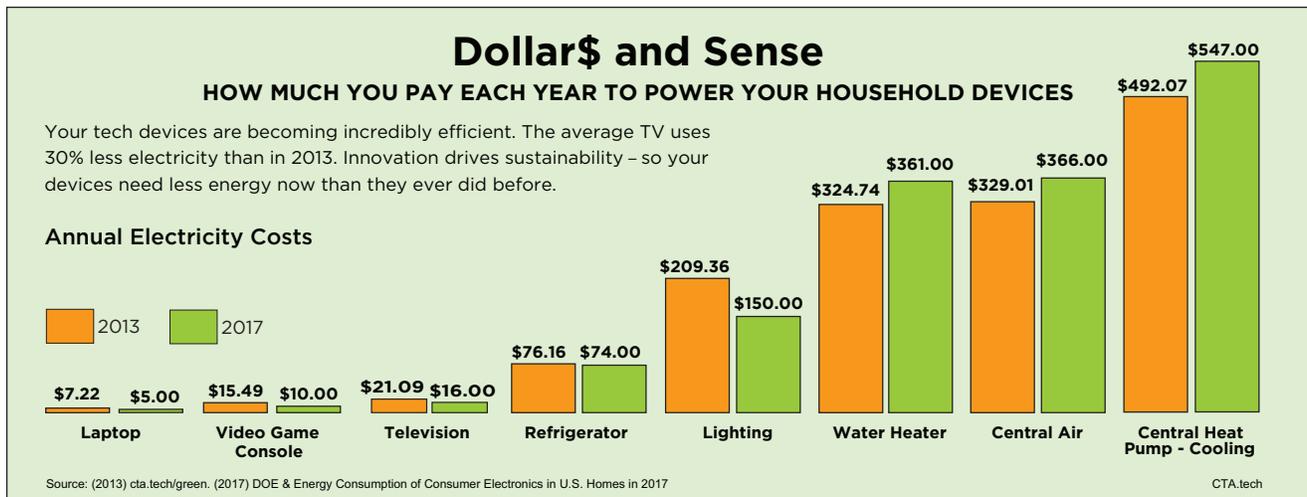
Become an Energy Detective!

Advances in innovation – supported by programs such as ENERGY STAR® that help you identify more energy-efficient products – have drastically cut the amount of energy consumed by household tech devices and appliances in recent years. In fact, consumer technology has led the way!

You can help take charge of your energy future by becoming an energy detective. Let's see first where things stand now:

Part 1.

Review this chart, which shows costs from 2013 and 2017, to find which tech devices and other home appliances have become more, and less, energy efficient. Then answer the questions below.



- Which two household devices had the highest percentage decrease in energy use? _____
- What was the difference in annual electricity cost to run those tech devices between 2013 and 2017? _____
- If television costs decrease the same percentage by 2021, how much will they cost? _____
- Now look at the costs of household devices that increased since 2013. What percentage did they all roughly increase by? _____
- Energy-efficient devices offer more benefits than just saving money. What are some of them? _____

Part 2.

Recent design improvements in tech devices have made important contributions to energy efficiency. In fact, overall, home energy consumption by consumer tech has decreased 25% since 2010. Now, put on your detective hat and research what kinds of advancements have helped televisions, for example, become 63% more energy efficient since 2003. With your team, head over to <http://www.cta.tech/green> and see if you can discover why televisions and other tech products consume much less energy today than they did 15 years ago. Then, use the statistics you find to create a report you can share with other classmates.

