

CARBON FOOTPRINT & ENERGY AUDIT

What's the Difference?



A Carbon Footprint - is a number.

Carbon Footprint: a **measurement** by weight (tons) of CO₂ emissions, mostly from buildings, but also includes other activities on- and off-site. To account for multiple green house gases, it is calculated as **tons of CO₂-equivalent per year**.

What are some examples of Carbon Footprints?

20

The carbon footprint of the average **American household** is more than 20 tons of carbon dioxide (CO₂) emissions each year.

8,750

Longwood & Crosslands campuses calculated the combined use of electricity, gasoline, natural gas, diesel, propane, and heating oil. For 2019, the total was about 8,750 tons of CO₂.

150,000

The **University of Maryland** reduced its carbon footprint from over 350,000 tons per year in 2005 to under 150,000 tons per year in 2020.



An Energy Audit - is an **activity**.

An energy audit tells you how your energy is used in your buildings and where you have opportunities for saving. The **audit will list** the key steps you need to take, such as more efficient heating and cooling systems, better insulation, tighter building envelope, better windows and doors, more efficient appliances, LED lighting, and so on.

What is an example of an energy audit?

CARTMEL COTTAGE AUDIT

At Cartmel, a resident asked for his cottage to be audited. During the audit, he received two replacement light bulbs and a “smart” power strip for some of his electronics. He learned that he needed new weatherstripping around his door, additional caulking, better storm windows, and so on.

What activities might an energy audit include?



Review energy bills, consumption, peak demand.



Conduct a building walk-through.



Measure air-infiltration.



Use infrared photography to identify energy leaks.



Identify efficiency measures & propose changes.

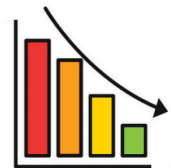
*So far, no Kendal affiliate has had a full campus audit.
That is an important next step.*

HOW a Carbon Footprint & an Energy Audit can WORK TOGETHER

With your energy audit in hand, you can decide what your energy-reduction **priorities** should be.



As you begin to **take the steps suggested by your audit**, yearly re-calculation of your **carbon footprint will allow you to measure your progress toward zero.**



by SSAFE - Senior Stewards Acting for the Environment

Learn more & sign up at: www.SSAFE.org

Email questions or concerns to: info@ssafe.org