

Sustainability and Energy Literacy Survey

General Energy Literacy:

Please select one answer for each of the following questions.

1. I make an effort to be knowledgeable about environmental issues.

1 2 3 4 5

Strongly Disagree Strongly Agree

2. I make an effort to be knowledgeable about sustainability issues.

1 2 3 4 5

Strongly Disagree Strongly Agree

3. My daily behavior reflects a concern about sustainability issues.

1 2 3 4 5

Strongly Disagree Strongly Agree

4. I value knowing that my food is grown locally and/or organically.

1 2 3 4 5

Strongly Disagree Strongly Agree

5. How frugal would you rate yourself when it comes to your energy use?

1 2 3 4 5

I waste energy everywhere I go. I take cold showers and read in the dark.

6. I think about the carbon footprint of my choices.

1 2 3 4 5

Strongly Disagree Strongly Agree

7. I would like to learn more about sustainability while in college.

1 2 3 4 5

Strongly Disagree Strongly Agree

General Energy Literacy:

Please select one answer for each of the following questions.

8. All of the following are forms of energy EXCEPT...

- Chemical
- Heat
- Mechanical
- Electromagnetic
- Coal

9. The amount of ENERGY consumed by an electrical appliance is equal to the power rating of the appliance (in watts or kilowatts)...

- Multiplied by the cost of electricity
- Added to the cost of electricity
- Multiply by the time it's used
- Divided by the time it's used
- Added to the it's used

10. What does it mean if an electricity-generating power plant is 35% efficient?

- For every \$100 invested in the production of energy, \$35 is made into profit
- For every \$35 invested in the production of energy, \$100 is made into profit
- For every 100 units of energy that go into the plant, 35 units are lost during energy transformations
- For every 100 units of energy that go into the plant, 35 units are converted into electrical energy
- For every 35 units of energy that go into the plant, 100 units of electrical energy are produced

11. How much energy does a 60 Watt light use in a year if left on for 6 hours a day?

- 360 kWh
- 131,400 Wh
- 360 Wh
- 131,400 kWh
- 60 W

Energy in the USA:

Please select one answer for each of the following questions.

12. Renewable energy sources provided approximately what percentage of the total US energy consumption at the end of 2017?

- Less than 2%
- Between 2% and 15%
- Between 15% and 45%
- Between 45% and 75%
- More than 75%

13. Which is the most abundant fossil fuel found in the US?

- Coal
- Natural gas
- Crude oil (petroleum)
- Tar sands
- Wood

14. At the highest level, the US power system in the Lower 48 states is made up of three main interconnections. Which of the following statements best describes an interconnection?

- A wireless Internet connection
- A network of inter-State highways
- An electrical grid at a regional scale or greater
- A network of major airways coming into the US
- The complex interconnections between people's lives in modern society

15. Which of the following household items uses the MOST ELECTRICITY in the average American home in one year?

- Lights
- Refrigerator
- Telephone
- Television
- Computer

Energy in Maine and at COA:

Please select one answer for each of the following questions.

16. TRUE or FALSE: Maine has the largest percentage of non-hydroelectric renewable electricity generation in the US.

- True
- False

17. What are the primary energy sources used to generate power in Maine?

- Natural gas and conventional hydroelectric
- Wood products and wind
- Coal and natural gas
- Nuclear and natural gas
- Solar

18. How much of the electricity used by COA comes from the college's solar panels on the main campus and the farms?

- 0%
- 5%
- 15%
- 50%
- 100%

19. The electricity that COA buys comes from which of the following sources?

- Coal
- Wind
- Oil
- Natural gas
- Hydroelectric

20. Which of the following are true (mark all that apply)?

- There are three electric chargers installed on COA properties
- The wood pellet boiler heats all the Kathryn W. Davis Village plus Seafood
- COA has a policy in place stipulating that all new buildings must be carbon neutral
- COA has increased solar production on campus and the farms by over 200% since 2012

21. Is COA carbon neutral?

- Yes
- No



Thank You!

If you're interested in learning more about sustainability and energy at COA, contact the Campus Committee for Sustainability (ccs-list@coa.edu) or the Community Energy Center (mdicommunityenergy@coa.edu) to find out how you can get involved!