

Sustainability and Energy Literacy Survey

Please rate your level of agreement with the following statements.

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

Mark only one oval.

	1	2	3	4	5	
Strongly Disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree

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

Mark only one oval.

	1	2	3	4	5	
Strongly Disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree

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

Mark only one oval.

	1	2	3	4	5	
Strongly Disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree

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

Mark only one oval.

	1	2	3	4	5	
Strongly Disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree

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

Mark only one oval.

	1	2	3	4	5	
Strongly Disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree

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

Mark only one oval.

	1	2	3	4	5	
Strongly Disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree

General Energy Literacy

Please select one answer for each of the following questions.

7. Which of the following statements best defines energy?

Mark only one oval.

- A force that moves something
- Potential and kinetic
- The rate at which work is done
- The ability to do work
- Fossil fuels

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

Mark only one oval.

- 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) ...

Mark only one oval.

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

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

Mark only one oval.

- 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

Energy in the USA

Please select one answer for each of the following questions.

11. **Renewable energy sources provided approximately what percentage of the total U.S. energy consumption at the end of 2015?**

Mark only one oval.

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

12. **Which is the most abundant fossil fuel found in the United States?**

Mark only one oval.

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

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

Mark only one oval.

- Lights
- Refrigerator
- Telephone
- Television
- Computer

Energy in Maine and at COA

14. **TRUE or FALSE: Maine has the largest percentage of non-hydroelectric renewable electricity generation in the United States.**

Mark only one oval.

- True
- False

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

Mark only one oval.

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

16. What percentage of COA's energy use is electricity?

Mark only one oval.

- 10%
- 25%
- 46%
- 72%

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

Mark only one oval.

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

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

Check all that apply.

- Coal
- Wind
- Oil
- Natural Gas
- Hydroelectric

19. Which of the following are true?

Check all that apply.

- There are three electric car chargers installed on COA properties
- The wood pellet boiler heats all of the Kathryn W. Davis Village plus Seafox
- 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

20. Is COA carbon neutral?

Mark only one oval.

- 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!