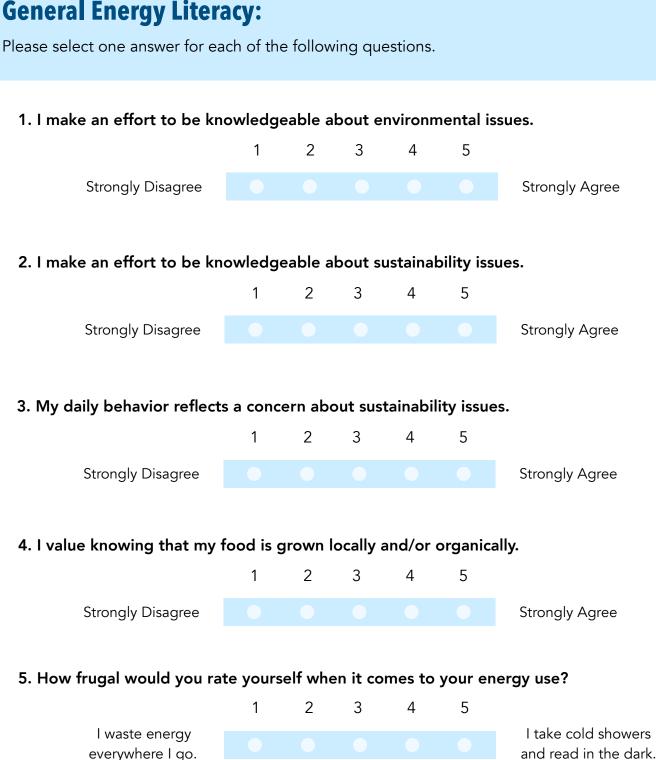


Sustainability and **Energy Literacy Survey**

General Energy Literacy:



6. I thin	k about the carbon f	ootprin	t of my	/ choice	es.			
		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 for Chemical Heat Mechanical Electromagnetic Coal	orms of	energy	EXCEI	PT			
	mount of ENERGY of liance (in watts or ki		_	n elect	rical ap	pliance i	s equal to the power rating of	
	Multiplied by the cost Added to the cost of Multiply by the time in Divided by the time in Added to the it's used	electricit t's used t's used	-					
10. Wha	t does it mean if an	electric	ity-gen	nerating	g powe	r plant is	s 35% efficient?	
	For every \$100 invest	ed in the	produc	ction of	energy, S	\$35 is ma	de 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							
		energy t	that go	into the	plant, 3	5 units are	e converted into electrical energy	
	For every 35 units of	energy th	at go in	nto the p	olant, 10	0 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:

lease sele	ect one answer for each of the following questions.
	E or FALSE: Maine has the largest percentage of non-hydroelectric renewable ty generation in the US. True False
17. Wha	t 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 much of the electricity used by COA comes from the college's solar panels on the mpus 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

