**Sustainability Trivia Questions**

**Round 1**

1a. On average, how many aluminum soda cans are used in the United States each year? (Answer: B – 80 billion. We use over 80 billion aluminum soda cans every year, which are recyclable and can be made into a variety of aluminum products.)

a. 90 million

b. 80 billion

c. 120 million

d. 3 billion

2a. What percentage of every dollar is spent on packaging materials? (Answer: 10%)

4a. How much energy is saved by recycling one aluminum can? (Answer: D – Recycling one aluminum can saves enough energy to run a TV for 3 hours. This is the equivalent of a half a gallon of gasoline.)

a. Enough to power a microwave for 30 minutes

b. Enough to power the average American home for 4 days

c. Enough to power a computer for 15 minutes

d. Enough to power a TV for 3 hours

6a. On average, a typical glass bottle would take how many years to decompose? (Answer: C – It will take the typical glass bottle 4,000 years or more to decompose, even longer if it’s in a landfill)

a. 20 years

b. 150 years

c. 4,000 years

d. It will never break down

7a. The IPCC is an international body, under the auspices of the United Nations, that provides the world with objective, scientific view of climate change and its political and economic impacts. What does IPCC stand for? (Answer: IPPC = Intergovernmental Panel on Climate Change)

8a. What clothing brand was the first to turn plastic water bottles into polyester fleece? (answer: C Patagonia)

1. L.L. Bean
2. The North Face
3. Patagonia
4. Columbia Sportswear

9a. Recycling plastic saves how many times more energy compared to burning it in an incinerator. (Answer: A – Americans use 25 million plastic bottles every hour! Most of them are thrown away.)

a. 2 times

b. 0.5 times

c. 3 times

d. None, it takes more energy to recycle

10a. Which of the following is *\*not\** an expected climate change hazard to impact Clark County? (Answer: c)

a. Increased Extreme Heat

b. Drought Conditions

c. Fewer Hot Days

d. Increased Precipitation during Monsoon Season

**Round Two**

1b. How much does the average American consume in paper, wood, and other products made from trees each year? (Answer: C – The average American uses 7 trees a year in paper, wood, and other products made from trees. Throughout the United States this amounts to about 2 billion trees per year!)

a. 1 tree

b. 5 trees

c. 7 trees

d. 15 trees

2b. How many times can an aluminum can be recycled? (answer: unlimited number of times)

3b. What does the Green Communities Act in Watertown *not* support (answer: d)?

a. Energy Efficiency

b. Regional Cap and Trade Systems

c. Municipally owned utilities

d. Funding for nuclear

4b. The US Department of Energy (DOE) recommends turning off the monitor and placing the computer on sleep mode if you are not going to use it for more than \_\_\_\_\_\_\_. (Answer: D)

a. 2 hours

b. 6 hours

c. 45 minutes

d. 20 minutes

5b. Compact Florescent Lighting – or CFLs – use \_\_\_\_\_\_ of the energy needed for incandescent bulbs. (Answer: A – 25%. CFLs use only one-fourth the energy and last up to 10 times longer than incandescent lighting.)

a. 25%

b. 50%

c. 75%

d. 100%

6b. How did per capita water use change in Clark County from 2002 to 2018? (Answer- C – water use per person from the Colorado River decreased 46% over this time due to conservation measures, despite population growth)

a. Water use increased by 36%

b. Water use decreased 20%

c. Water use decreased 46%

d. Water use increased by 10%

7b. How many gallons of motor gasoline does the average American consume in one year? (Answer: B – The average American consumes approximately 500 gallons of gasoline per year.)

a. 150 gallons

b. 500 gallons

c. 310 gallons

d. 750 gallons

8b. In 1907 plastics were invented. Since that time, 8.3 billion metric tons of virgin (non-recycled) plastic has been produced. What percentage of this plastic has been recycled: (Answer: B)

1. 5%
2. 9%
3. 15%
4. 22%

9b. A large concentration of ocean plastic between California and Hawaii is roughly the size of which U.S. State (Answer: Texas)

10b. Scientists predict that if nothing changes in our plastic consumption habits, by this year there will be more plastic in the oceans that there are fish (by weight)? (Answer: 2050).