

Sustainability Literacy Survey – Final Question Distribution
In line with AC-6: Sustainability Literacy Assessment (4 point max)
& EN-6 Accessing Sustainability Culture (1 point max)

1.0 Demographics:

- i) What is your connection to Mohawk College?
- a) Student (day/evening/apprenticeship/ full-time or part-time)
 - b) Support Staff
 - c) Administrative Staff
 - d) Faculty
 - e) Other (textbox)
- ii) You are...
- a) Male
 - b) Female
 - c) I prefer not to respond
 - d) Other (optional to specify)
- iii) What is your age?
- a) 19 years or younger
 - b) 20-24
 - c) 25-29
 - d) 30-39
 - e) 40-49
 - f) 50+
- iv) What campus do you spend the most time at?
- a) Fennell
 - b) Institute of Applied Health Sciences (IAHS)
 - c) Stoney Creek
 - d) I'm not at any of the campuses because I'm enrolled in online studies
 - e) All other campuses (e.g. Hamilton International Airport, Six Nations Polytechnic, Brantford General, City Schools, etc.)
- v) What semester/level are you currently in?
- a) Semester 1 or 2
 - b) Semester 3 or 4
 - c) Semester 5 or higher
 - d) No semester - taking Continuing Education course(s)
 - e) Level 1 or higher (apprenticeship)
 - f) Other (please specify)

- vi) What program are you currently enrolled in?
- a) Community, Justice and Liberal Studies (e.g. ECE, CYW, Police Foundations, CICE, General Arts & Science, etc.)
 - b) Engineering Technology (e.g. Architectural, Chemical, Civil, Mechanical, Computers, Aviation, Transportation, etc.)
 - c) Health (e.g. OPA/PTA, CVT, Pharmacy, Nursing, PSW, Pre-Health, Massage Therapy, Health & Wellness, etc.)
 - d) International Education (e.g. E.S.L)
 - e) Marshall School of Skilled Trades & Apprenticeship (e.g. Manufacturing, Motive Power, Construction, Utilities, Welder etc.)
 - f) McKeil School of Business, Media & Entertainment (e.g. Advertising, Human Resource Mgmt, International Business Mgmt, Marketing, Insurance, Accounting, Photography, Graphic Design, Broadcasting etc.)
 - g) Continuing Education
 - h) Other (Please specify)
- vii) Are you enrolled at Mohawk on an International Study Permit?
- a) Domestic
 - b) International
 - c) I'd prefer not to say
- viii) Has either of your parents/guardians ever attended a university or college?
- a) Yes
 - b) No

2.0 Sustainability Literacy Assessment:

1. What is NOT part of the definition of sustainability?
- a) Not wasting energy or resources
 - b) Reducing your carbon footprint
 - c) Considering the environmental impact of your actions
 - d) Practices that meet economic, social and environmental needs of today without affecting the ability of future generations to meet the same needs
 - e) Using resources or creating waste without considering the social, economic and environmental consequences of your actions.
2. Of the following options, which are NOT a threat to our local ecosystems?
Select all that apply.
- a) Air pollution
 - b) Reducing plastic usage
 - c) Water pollution
 - d) Soil erosion
 - e) Buying local foods

- f) Habitat loss
- g) Proper waste sorting, recycling and composting
- h) Climate change
- i) Habitat restoration and conservation
- j) Unsure

3. Of the following, what energy sources are classified as sustainable sources of energy? Select all that apply.

- a) Solar
- b) Wind
- c) Hydroelectric/Water Power
- d) Coal
- e) Geothermal
- f) Nuclear
- g) Natural gas
- h) Unsure

4. Which energy source does NOT contribute to Ontario's electric power grid?

- a) Nuclear
- b) Wind
- c) Coal
- d) Hydroelectric
- e) Solar
- f) Unsure

5. What does the term "greenhouse gas effect" mean?

- a) An increase in backyard gardening
- b) The loss of the ozone layer
- c) A phenomenon which describes the trapping of the sun's radiation in atmosphere by gases, raising atmospheric temperature
- d) Unsure

6. What are some of the impacts caused by climate change? Select all that apply.

- a) Seasonal changes happen quicker each year
- b) Rising sea levels
- c) Disruption of natural animal and plant cycles
- d) Increased frequency of droughts
- e) A warmer climate is actually good. It means Ontario has a longer growing season.

- f) Changes in global, regional and local climate patterns linked to rising levels of atmospheric carbon dioxide
- g) There are no negative effects of climate change
- h) Unsure

7. What greenhouse gas released from driving gasoline or diesel vehicles is most associated with causing climate change?

- a) Nitrogen (N₂)
- b) Methane (CH₄)
- c) Carbon Dioxide (CO₂)
- d) Ammonia (NH₃)
- e) Unsure

8. How does the new building The Joyce Centre for Partnership & Innovation (Joyce Centre) contribute to Mohawk's vision of creating a sustainable campus?

- a) It is the largest building on campus
- b) It has the newest technology in its labs
- c) It is a Net Zero Carbon building
- d) It is the best looking building on campus
- e) Unsure

9. If everyone on Earth consumed the same amount of resources as the average Canadian, how many planets would be required to support the population?

- a) 1.5
- b) 3
- c) 4.7
- d) 10.5
- e) Unsure

10. According to a 2017 waste audit, **86%** of waste which Mohawk College sent to landfill could have been recycled or composted if sorted properly.

As a campus community, how can we better prevent recyclable and compostable waste from reaching the landfill? Select all that apply.

- a) Read signage on waste bins before placing waste inside
- b) Check the containers and packaging for recycling symbols before placing in the proper recycling bin
- c) Put items that are labeled "compostable" in the green organic bins
- d) Do not place cups full of liquid in the paper bin
- e) Do not place plates or trays with food scraps in the paper bin
- f) Unsure

3.0 Accessing Sustainability Culture:

11. Sustainability matters to me.

- a) Strongly Agree
- b) Agree
- c) Neutral
- d) Disagree
- e) Strongly Disagree

12. How often do you compost your food scrapes in the green organic bins on campus?

- a) Always
- b) Often
- c) Sometimes
- d) Rarely
- e) Never
- f) I did not know we have green bins on campus

15. In your opinion, what are the largest barriers to recycling and composting properly on campus? Select all that apply.

- a) I find the waste bin signage is confusing or unclear
- b) There aren't enough recycling bins outdoors
- c) Unable to find compost bins
- d) Unsure which bin waste should use (landfill, containers, paper or organics)
- e) Unsure what can be placed in the green organic bins
- f) Most the recycling is contaminated anyways so it doesn't matter where I put my waste
- g) Lack of centralized waste stations

16. Emissions from single occupancy vehicle is the largest greenhouse gas source linked with Mohawk College. What sustainable methods of transportation would you most likely use? Select all that apply.

- a) HSR bus
- b) Carpool
- c) Poparide and ridesharing
- d) Walking
- e) Jogging
- f) Biking
- g) Skateboard or scooter
- h) Rollerblade

- i) Accessible transportation (DARTS, motorized scooters, etc.)

17. What areas of campus life do you think climate change most negatively affects?
Please select 3.

- a) Food purchasing
- b) Landscaping
- c) Energy usage
- d) Water usage
- e) Campus heating and cooling
- f) Student health and wellbeing
- g) Transportation to and from campus

18. What most concerns you about plastic waste? Select all that apply.

- a) Microplastics in drinking water
- b) Plastics in our waterways, lakes and oceans
- c) The amount of plastic which cannot be recycled (e.g. films, bags, cutlery, etc.)
- d) Plastic in landfill sites
- e) Plastics harming wildlife
- f) Plastic accumulation in wetlands and shorelines
- g) I am not concerned about plastic waste in the environment

3.1 Climate Change and Culture:

19. Do you find yourself wondering about the impacts of climate change and how they may affect you?

- a) Always
- b) Often
- c) Sometimes
- d) Seldom
- e) Never

20. Mohawk College has a responsibility to reduce greenhouse gas emissions in order to minimize the effects of climate change.

- a) Strongly agree
- b) Agree
- c) Neutral
- d) Disagree
- e) Strongly Disagree

21. What impacts of climate change are your top priorities? Select all that apply.

- a) More intense weather (colder winters, hotter summers, more frequent droughts, increased flooding etc.)
- b) Species extinction

- c) Reduced air quality
- d) An increase in poverty and inequality
- e) The potential for food scarcity and/or increased food cost
- f) The potential for loss of outdoor recreational activities (e.g. limited snowfall, flooded trails, more pests etc.)
- g) Changes to animal life cycles and migratory patterns
- h) Changes to plant life cycles
- i) I do not consider climate change impacts a priority
- j) Others? Please specify.
(text box)

If you have any further comments or suggestions relating to how Mohawk College can become a more sustainable institution please feel free to use the space below.
(text box)

Answer Key

1.0 Demographic Questions

i-viii) Personal responses

2.0 Sustainability Literacy Assessment

1. **E)** Sustainability can be difficult to define, however wasting energy or resources is not included within the school of sustainable thinking.
2. **Correct Answers: B,E,G, & I**
3. **Correct Answers: A,B,C,E, & F)** Sustainable energy sources often carry a smaller environmental impact than energy created using fossil fuels (e.g. coal).
4. **C)** In 2014 Ontario became completely coal free, meaning coal is no longer burnt to create electricity.
5. **C)** The greenhouse effect is the name of the phenomenon which is driving climate change. Atmospheric gases - largely from the burning of fossil fuels - trap heat from the sun, redirecting it back toward the planet.
6. **Correct Answers: A-E**
7. **C)** Carbon dioxide (CO₂) is the most abundant greenhouse gas in the atmosphere. This pollutant is released from cars, or any engine which burns gasoline, diesel or natural gas.
8. **C)** The Joyce Centre is the Hamilton's only and the region's largest institutional Net Zero Carbon building. This means that over the course of the year the building will offset any carbon emissions associated with building operations by creating renewable energy
9. **C)** If everyone lived like the average Canadian it would take 4.7 Earths worth of resources to support a population of 7 billion.
10. **All answers are correct.**

3.0 Accessing Sustainability Culture

11 - 16. Personal response

3.1 Climate Change and Culture

19-21. Personal responses