

Appendix B

Getting Heads Out of the Sand Pre-Survey



Center for
Program
Evaluation

You are invited participate in a voluntary research survey titled “Getting Heads Out of the Sand: A Sustainability and Climate Change Awareness Campaign” that is being conducted by Jill Lohmeier, Ph.D., from the Graduate School of Education at UMass Lowell. The purpose of this research is to understand more about what the UMass Lowell community knows about sustainability and climate change. Your responses will be confidential and will take approximately 5 - 10 minutes to complete. You are free to skip any questions or questions you do not want to answer and can withdraw your participation at any time. There is little to no risk to you from participating, and there is no benefit to your participation. If, however, you would like to be entered in for a chance to win a \$100 Amazon gift card you will be asked to do so at the end of the survey. If you have any questions or would like further information on this research, please contact: Jill_Lohmeier@uml.edu. Thank you for your participation!

Q1. How often do you use the following modes of transportation for getting between UMass Lowell's campuses?

	Never (1)	Once or Twice a Semester (2)	Once or Twice a Month (3)	Once or Twice a Week (4)	Daily (5)
Driving alone (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Carpool (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Walking (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Bicycling (4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lowell's Public Transportation (5)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
UMass Lowell Shuttle(s) (6)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Uber/Lyft (7)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other: (8)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q2. To what extent do you use the following modes of transportation for getting to and from UMass Lowell?

	Never (1)	Once or Twice a Semester (2)	Once or Twice a Month (3)	Once or Twice a Week (4)	Daily (5)
Driving alone (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Carpool (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Walking (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Bicycling (4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lowell's Public Transportation (5)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
MBTA Commuter Rail (6)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
UMass Lowell Shuttle(s) (7)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Uber/Lyft (8)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other: (9)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q3 How much do you agree or disagree with the following statements?

	Strongly Disagree (1)	Disagree (2)	Neither Disagree Nor Agree (3)	Agree (4)	Strongly Agree (5)
UMass Lowell is committed to using sustainable practices. (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel safe biking between campuses. (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel safe walking between campuses. (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I know how to borrow a bike on campus. (4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
UMass Lowell has a wide variety of tree species on campus. (5)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Waterpower was integral to Lowell's early success. (6)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
UMass Lowell should provide opportunities on campus to engage in sustainability efforts. (7)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am interested in learning more about climate change. (8)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am interested in learning about sustainability on UMass Lowell's campus. (9)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am interested in learning more about sustainability in general. (10)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am interested in participating in sustainable practices. (11)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Climate change will impact my local community. (12)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Individuals can help mitigate climate change. (13)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
UMass Lowell can help mitigate climate change. (14)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Society can help mitigate climate change. (15)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Humans can adapt to climate change. (16)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q4 Which of the following do you think UMass Lowell has?

- Electricity-generating solar arrays (1)
- Geothermal Heating/Cooling (2)
- Charging stations for electric vehicles (3)
- Climate Change Initiative (4)
- Sustainability Tracking, Assessment Rating System (STARS) (5)
- Freewheelers (6)
- Biomass Heating (7)
- Tree Campus USA (8)
- LEED Buildings (9)
- Climate Change Teach-In (10)
- School of Sustainability Studies (11)
- Composting (12)
- UMass Lowell Community Garden (13)
- Sustainability Engagement and Enrichment Development (SEED) Fund (14)
- Hydropower (15)
- B.S. in Environmental Science (16)
- ZipCar Car Sharing Program (17)
- Free Access to Lowell Regional Transportation Authority (LRTA) (18)

Q5 Approximately how far do you think McGauvran Student Union on South Campus is from Fox Hall on East Campus?

- 0.5 mile (1)
- 1 mile (2)
- 1.5 miles (3)
- 2 miles (4)
- 2.5 miles (5)
- 3 or more miles (6)

Q6 How often do you do each of the following?

	Never (1)	Less than once a month (2)	A few times a month (3)	Weekly (4)	A few times a week (5)	Daily (6)
How often do you read about science topics? (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
How often do you hear the term "climate change"? (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
How often do you discuss climate change? (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
How often do you discuss sustainability? (4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q7 What is your primary status at UMass Lowell?

- Staff (1)
- Faculty (2)
- Freshman (3)
- Sophomore (4)
- Junior (5)
- Senior (6)
- Master's Student (7)
- Doctoral Student (8)

Q8 How many years have you been at UMass Lowell?

- 0-2 (1)
- 3-4 (2)
- 5-6 (3)
- 7-8 (4)
- 9-10 (5)
- More than 10 (6)

Q9 Which age group are you in?

- 18-24 (1)
- 25-29 (2)
- 30-39 (3)
- 40-49 (4)
- 50-59 (5)
- 60+ (6)

Q10 What is the highest level of education you have completed?

- High school diploma/GED (1)
- Some college (2)
- Associate's Degree (3)
- Bachelor's Degree (4)
- Master's Degree (5)
- Doctorate (6)

Q11 What is your gender?

- Male (1)
- Female (2)
- Transgender (3)
- I do not identify as female, male or transgender. (4)

Q12 What is your race?

- Asian (1)
- Black or African American (2)
- Native American or Alaskan Native (3)
- White (4)
- Other (5)

Q13 Are you Hispanic/Latino?

- Yes (1)
- No (2)









If you would like to be entered in for a chance to win a \$100 Amazon gift card, please provide your email address below:

Appendix C









Getting Heads Out of the Sand Post-Survey

You are invited participate in a voluntary research survey titled "Getting Heads Out of the Sand: A Sustainability and Climate Change Awareness Campaign" that is being conducted by Jill Lohmeier, PhD, from the Graduate School of Education at UMass Lowell. The purpose of this research is to understand more about what the UMass Lowell community knows about sustainability and climate change. Your responses will be confidential and will take approximately 5 - 10 minutes to complete. You are free to skip any questions or questions you do not want to answer and can withdraw your participation at any time. There is little to no risk to you from participating and there is no benefit to your participation. If, however, you would like to be entered in for a chance to win a \$100 Amazon gift card you will be asked to do so at the end of the survey. If you have any questions or would like further information on this research please contact: Jill-_Lohmeier@uml.edu. Thank you for your participation!

Q1. Which of the following ostriches have you seen around UMass Lowell? (Click on all that apply)

North Campus Bus Stop Ostrich	University Ave Ostrich	Inn and Conference Center Ostrich	South Campus Bus Stop Ostrich
			
South Campus Quad Ostrich	University Crossing Ostrich	Campus Recreation Center Ostrich	East Campus Bus Stop Ostrich
			

Q2. Which of the following ostrich signs did you read? (Click on all that apply)

North Campus Bus Stop Ostrich	University Ave Ostrich	Inn and Conference Center Ostrich	South Campus Bus Stop Ostrich
			
South Campus Quad Ostrich	University Crossing Ostrich	Campus Recreation Center Ostrich	East Campus Bus Stop Ostrich
			

Q3. Did you talk to anyone about the ostriches?

- Yes
- No
- I don't remember

Q4. How often do you use the following modes of transportation for getting **between** UMass Lowell's campuses?

	Never	Once or Twice a Semester	Once or Twice a Month	Once or Twice a Week	Daily
Driving alone	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Carpool	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Walking	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Bicycling	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lowell's Public Transportation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
UMass Lowell Shuttle(s)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Uber/Lyft	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other:	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q5. To what extent do you use the following modes of transportation for **getting to and from** UMass Lowell?

	Never	Once or Twice a Semester	Once or Twice a Month	Once or Twice a Week	Daily
Driving alone	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Carpool	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Walking	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Bicycling	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lowell's Public Transportation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
MBTA Commuter Rail	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
UMass Lowell Shuttle(s)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Uber/Lyft	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other:	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q6. How much do you agree or disagree with the following statements?

	Strongly Disagree	Disagree	Neither Disagree Nor Agree	Agree	Strongly Agree
UMass Lowell is committed to using sustainable practices.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel safe biking between campuses.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel safe walking between campuses.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I know how to borrow a bike on campus.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
UMass Lowell has a wide variety of tree species on campus.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Waterpower was integral to Lowell's early success.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
UMass Lowell should provide opportunities on campus to engage in sustainability efforts.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am interested in learning more about climate change.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am interested in learning about sustainability on UMass Lowell's campus.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am interested in learning more about sustainability in general.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am interested in participating in sustainable practices.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Climate change will impact my local community.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Individuals can help mitigate climate change.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
UMass Lowell can help mitigate climate change.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Society can help mitigate climate change.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Humans can adapt to climate change.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q7. Which of the following do you think UMass Lowell has?

- Electricity-generating solar arrays
- Geothermal Heating/Cooling
- Charging stations for electric vehicles
- Climate Change Initiative
- Sustainability Tracking, Assessment Rating System (STARS)
- Freewheelers
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Q8. Approximately how far do you think McGauvran Student Union on South Campus is from Fox Hall on East Campus?

- 0.5 mile
 - 1 mile
 - 1.5 miles
 - 2 miles
 - 2.5 miles
 - 3 or more miles
-

Q9. How often do you do each of the following?

	Never	Less than once a month	A few times a month	Weekly	A few times a week	Daily
How often do you read about science topics?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
How often do you hear the term "climate change"?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
How often do you discuss climate change?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
How often do you discuss sustainability?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q10. What is your primary status at UMass Lowell?

- Staff
 - Faculty
 - Freshman
 - Sophomore
 - Junior
 - Senior
 - Master's Student
 - Doctoral Student
-

Q11. How many years have you been at UMass Lowell?

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- 25-29
- 30-39
- 40-49
- 50-59
- 60+

Q13. What is the highest level of education you have completed?

- High school diploma/GED
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 - Associate's Degree
 - Bachelor's Degree
 - Master's Degree
 - Doctorate
-

Q14. What is your gender?

- Male
 - Female
 - Transgender
 - I do not identify as female, male or transgender.
-

Q15. What is your race?

- Asian
 - Black or African American
 - Native American or Alaskan Native
 - White
 - Other
-

Q16. Are you Hispanic/Latino?

- Yes
 - No
-

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