



May 22, 2023

Alan Turnquist
Director of Sustainability and Resilience
Michigan Technological University

Hello Alan,

I am writing this letter in my capacity as the faculty advisor to the Green Campus Enterprise. Green Campus Enterprise students play a large role in collecting and synthesizing data necessary to calculate the University's annual carbon footprint, and we have led this effort on campus since 2008.

I confirm that Anabel Needham, an upper level undergraduate student in Environmental Engineering, worked over the summer of 2022 to verify our campus level greenhouse gas and emissions inventory. Anabel is not affiliated with the Green Campus Enterprise and was not involved in the regular process of data collection and interpretation, which occurs during the academic year. Anabel reported to me and consulted with our Director of Sustainability and Resilience, Alan Turnquist, to validate both the process and calculations of our Green Campus Carbon Footprint team's work to ensure consistency with best practices and accuracy of data. In her work, we directed her to give a fresh look to our approach and calculations to ensure that our methods were appropriate and accurate.

She identified a number of minor errors and assembled some best practices for ensuring consistency in our annual reporting, particularly related to the Scope 3 categories of sponsored travel and food purchases. Importantly, she also was able to track changes in SIMAP accounting that explained many of our seeming discrepancies, in effect confirming our data entry methodologies. Anabel will continue her work this summer of 2023 to improve our capacities in scope 3 emissions reporting.

We are happy to help with this effort and are looking forward to continued progress on campus!

Robert Handler, PhD
Senior Research Engineer, Chemical Engineering
Faculty Advisor, Green Campus Enterprise