1135-K1-1119 **Rikki B. Wagstrom*** (rikki.wagstrom@metrostate.edu), Metropolitan State University, 700 E Seventh St, Saint Paul, MN 55106. *Environmental Modeling in Lower Division Mathematics Courses.*

In this presentation, I will discuss two sets of environmental mathematics modules that I developed as part of the Engaging Mathematics project (NSF DUE-1322883) as well as curricular initiatives since the completion of the grant. The Engaging Mathematics modules explore declining milkweed population abundance, monarch reproduction, the science and financing of wind energy, and carbon footprints. One set of modules was developed for use in pre-calculus and lower levels of mathematics. The other set of modules was developed for use in calculus courses. In light of the current hostility and divisiveness we are seeing in our country, I have been reflecting on the purpose of integrating environmental issues into mathematics classrooms, and how these experiences can shape the perspective of students. Consequently, I will conclude this presentation with a discussion of how I am beginning to enhance these modules, to encourage students to consider environmental issues from multiple perspectives. (Received September 19, 2017)