

1096-P1-1423 **Lori Carmack*** (lacarmack@salisbury.edu). *Should I Unplug?* Preliminary report.

The 2013 MAA PREP Workshop: USE Math on Your Campus at Shippensburg University (organizers: Corrine Taylor, Ben Galluzzo, James Hamblin) inspired attendees to incorporate sustainability topics into their teaching. Workshop organizers presented various ideas and encouraged attendees to design and publish related teaching materials. This paper presents a student assignment, titled “Should I Unplug?” that was developed as a result of attending the workshop. In the assignment, students use a wattage meter to measure “plug loads” of various electric devices and small appliances commonly found in students’ living spaces. They compute the monetary costs of leaving these products plugged in longer than necessary and estimate how much money they could save in a year by eliminating these unnecessary plug loads. In addition, they estimate how much money a university could save in a year if students were to “unplug” in dormitories, and think about the broader implications of this issue. (Received September 15, 2013)