

Lab Memo

To: Professor Eileen

From: Dante Watts

Date: 11/10/17

Re: SERC/CCAT Lab Memo

Purpose

The purpose of this memo is to summarize and reflect upon our experiences of the tours at the Schatz Energy Research Center and the Campus Center for Appropriate Technology. I will also go further into detail of the CCAT and explain one of the environmental projects they are pursuing.

Discussion

The Purpose of this field trip was to visit the Schatz Energy Research Center as well as the Campus Center for appropriate technology. As Environmental Engineers, we may be using these technologies and so it would be useful to see it in person. So, we got a tour of the model house and the place where a lot of graduated students go to for work after Humboldt. The CCAT had some very interesting design technologies for the house. For some of the insulation they used the plants from the local beaches; I found this to be really awesome considering they were an invasive species. To use this technology would be a very beneficial and ecofriendly way of building houses around here and considering it's an invasive species, using this technology would cause no environmental cost. I would really like to be an operation manager and be one of the people living in the house. It would feel nice to be educating people on the positive living choices that they have in the house and to hopefully get them to adopt some sustainable ways of living. The most interesting thing I learned on the trip was the different approaches to building homes that they had displayed, especially the plant insulation. It's super awesome when we can sustainably build things especially when it's the home we live in.

Conclusion:

The CCAT tour was very informative and interesting. There were a lot of different types of building materials from the usual such as the insulation, paint, windows, wall material, etc. They also had 2 different types of solar panels, photovoltaic and solar.