

Solar-Power for Africa

Ethiopia



Goals & Cost

Class:

- Solar Power for Africa
- Taught by Dr. Gregory Beaucage
- To learn about solar energy and its practical uses around the world – especially in offering a solution to bring water, light and heat to developing countries without the need of an electrical grid


Ethiopia Trip Purpose:

- To use the knowledge gained in class in the real world for a humanitarian cause - utilizing solar energy to alleviate part of the daily burden of fetching water faced by those in third-world countries

Cost of the Trip:

- \$1600 - 2-way plane ticket
- \$1402 - Lodging, traveling, other
- \$200 – Meals

Funding I Received:

- \$1300 - CEAS
 - \$1300 - CAECM
 - \$500 – UC International
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Accomplishments & Impacts

Forged relationships between the University of Cincinnati and Ethiopian Universities



Site investigation of the rural village in need of a well

Worked with students from Haramaya to install two solar-powered lights in school buildings

What I Gained

Experienced first-hand the lack of accessible water outside of developed communities

Overcame language barriers in order to complete a project

Full immersion into a new culture

Exposed to engineering practices that differ greatly than those used in the US



African Union Science and Technology Conference





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LYDETCO SOLAR

011-466-0267/3189









Well # 1
10 m, dry



Well # 2

30 m, almost dry















