

# Green Empowerment Technical Training April 17-19, 2009

Hosted by PSU's Environmental Club and Green Empowerment, with assistance from Engineers Without Borders -- this is the perfect opportunity to explore Sustainability, Renewable Energy, and International Development.

**What:** Intensive 2.5 day technical training

**When:** April 17<sup>th</sup> to 19<sup>th</sup> ~ 2009

**Where:** Portland State University, SMU building, Room 229

**Topics:** Electricity for Rural Areas in Developing Countries, Photovoltaics (PV), Water Pumping, Case Studies in International Sustainable Development

**Friday, 4/17: 6-9pm**

- Introduction to GE and our development model; phases of a project's development.
- Case Study on a solar water pump installation in the Philippines.
- Case Study on planning and training at a nationally sponsored conference in Ecuador for utility operators, government officials, and village leaders.

**Saturday, 4/18: 9am-5pm**

- Primer on electricity (1.5hr).
- Solar electricity as source of power for rural communities (system components, hands-on measurements, and sizing/design exercises).

**Sunday, 4/19: 10am-5pm**

- Solar Water Pumping (system components, sizing exercises)
- Review
- Q & A

**Cost:** \$250 per person

Enrollment is now open. Registration deadline is Friday, March 20<sup>th</sup>.

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