

Refugee Camps Hybrid Systems

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BGET

is installing hybrid solar/diesel systems for powering common facility computer rooms in the seven Karen refugee camps along the Thai – Burma border. The project, funded by the UN High Commission on Refugees (UNHCR), is implemented in conjunction with ZOA Refugee Care and is integrated with BGET's overall solar / renewable energy training program in the refugee camps.

Project Duration: July 2006 to July 2007

The

budget covers activities in seven refugee camps: Tham Hin, Don Yang, Nu Poe, Umphiem, Mae La, Mae La Oon and Mae La Ma Luang. The funding came from UNHCR through ZOA projects. BGET is a sub-contractor to ZOA for this specific projec

Each

of the seven refugee camps is already equipped with a diesel generator and a computer room with as many as nine computers. The result will be computer room power systems that consume far less diesel fuel than currently used, in a fashion that can be expanded with further solar panels in the future.

This

project involves surveying, designing, purchasing, expediting, and supervising the installation of appropriate solar panels, inverters, control equipment and wiring to augment the existing system. These installation projects will be combined and become part of an overall solar / renewable energy training program that BGET has initiated in the refugee camps.

Downloads:

Computer Center Surveys

Umphiem Mai

Mae La

Resources:

Refugee Camp Map
Angie and Arie's Volunteer Blog dealing with this project
ESP Student Refugee Blog

Reports:

Nu Po Camp Hybrid System Installation Trip Report
Mae Ma Ra Luang and Mae La Oon Camp Hybrid System Installation Trip Report
Don Yang and Tham Hin Hybrid System Installation Trip Report
2006-2007 Hybrids in the Camp Project Final Report

Photo Journals:

Mae La
Umphiem Mai
Nu Po
Mae Ma Ra Luang
Mae La Oon
ESP