

Feb 18, 2014

## Bong County Community Health Department Solar Electrical Project 2014 Program Update

In 2008 I was in Liberia to install the generators and provide an upgraded wiring system at Phebe Hospital in Bong County, Liberia. After the installation we met with Dr. Gwenigale, Minister of Health and he asked if we would work on a project to provide power and refrigeration to some of the remote clinics served by the Community Health Department at Phebe. After a survey, we found that there were 17 clinics, 9 of which did not have any power or refrigeration. The ones that did have refrigeration only had DC power for partial refrigeration and no power for lighting, phones or computers.

Refrigeration is necessary to allow for vaccinations and live culture medications to be stored at the clinics for when people come with vaccination and treatment needs. Additionally, lighting provides the ability for treatment at night and is particularly helpful during complicated childbirth and acute or emergency treatments. Additionally there is power to support communications and limited computer use.

In 2009 Thermo Fisher donated 19 small refrigerators and we had them sent to Phebe Hospital, our base of operations in Bong County, through the help of Global Health Ministries. I returned to Liberia that year and provided an initial installation of 2 solar power systems (for the Totota and Naama clinics) utilizing the maintenance crew from Phebe for the installation.

This year we were able to return in February and install Photovoltaic Power Systems to 3 additional clinics (Klebei, Yolota and Bellefenei). Pictures of these recently completed installations are found on the following pages.

We are currently seeking funding for the additional 12 systems that we have yet to complete, and the installed cost per system is approximately \$6,900.00 US for each system.

If you would like to help support the installation of these systems, please contact me and we can discuss how we might work together to complete these systems.

Warm Regards;

Charles Pickering

Charles L. Pickering, Ph D, PE Email: charles.pickering@pickeringusa.com Cell: 304-483-8111

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Bellefenei clinic installation with the installation staff comprising of two electricians from Bong County Community Health Department, 2 electricians from Phebe Hospital and a carpenter.







Klebei Clinic equipment installation and inter-wiring into the clinic' s electrical equipment.



Pickering Associates Inc. • 11283 Emerson Ave. • Parkersburg, WV 26104 Phone 304.464.5305 • 800.954.5305 • Fax 304.464.4428

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Yolota Clinic panel installation in progress and installed generation system.



Klebei Management & Midwife