

October 2013

New Generator, Electrical Grid, and Welder Now Online in Rus Rus

We knew we needed welding capability in our hangar. We knew we needed to replace some of our smaller gasoline generators with a higher output, more efficient diesel plant. We knew we needed to get all the generators and wells connected on one grid for redundancy and efficiency—someday. All separate projects that were being addressed individually. We never anticipated doing them ALL AT THE SAME TIME.

But let me tell you what God did when two of our smaller generators failed unexpectedly. A handful of skilled electrical and construction guys volunteered to come on short notice. Then several donors stepped up with some very significant donations—ALL AT THE SAME TIME. All this combined to become about a five month (June to October) \$15,000 infrastructure project, our largest single non-aircraft project of 2013.

Because of these donors and the volunteers who paid their own way to come to Honduras:

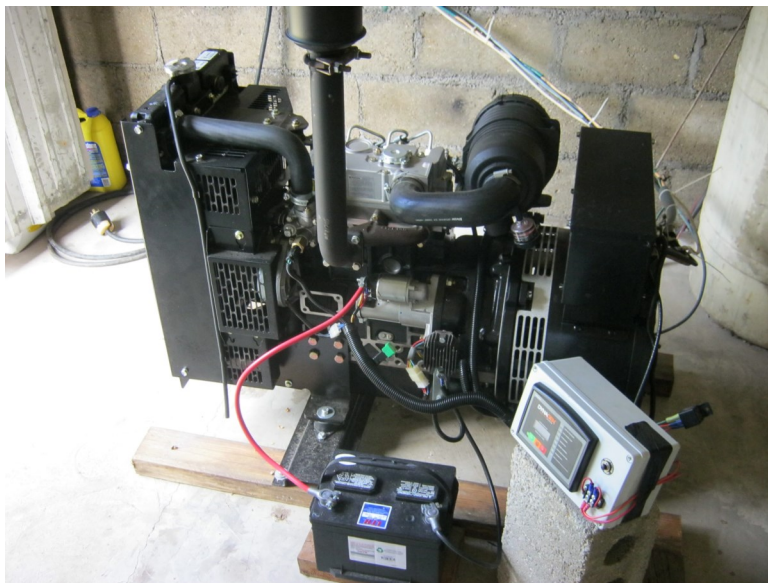
The hospital and missionary house water tanks are always full.

We can weld in the aircraft hangar.

We can power the entire hospital and mission base with about 3 gallons of diesel per day.

Our missionaries and visiting teams can take a hot shower for the first time in 4 years.

The photos and captions below show some of the key components of what was done and we want to thank everyone who was involved. But, we most want to thank the Lord Jesus for HIS faithfulness—seen through the donors whose hearts He drew to this need and through the volunteers He sent to this remote place—all so we can help people in His Name!



Our new Perkins 10KW power plant (left) powers our newly overhauled Lincoln Electric welder (right) in the hangar as well as powering the entire mission base and both wells. The generator was shipped in two pieces to allow loading into our MAG Cessna 206 aircraft. [More pictures on page 2.]



We originally intended to get a self-contained engine-driven welder, but when two of our four small Honda generators died, we had a bigger problem. By separating the generator and the welder, we could solve both the power and welding issues. We were also able to install a remote start relay so the generator can be started and shut down from the missionary house, about 400 feet away. No more trips out in the dark to shut down at night. New poles were cut and a new overhead power line was then strung to connect the new 10KW to the rest of the base. This included power to our guest house, seen in the photo above, which previously needed it's own portable generator.



A new roof was needed on the "big generator" shed which houses an older Perkins 40KW that we try not to run unless absolutely necessary. This WAS the only generator capable of running a welder, but it's over 1000 feet from the hangar. That problem is now solved. The new roof and new power lines were accompanied by new panels that now tie the mission base with the hospital in one big happy efficient grid. The well pumps, previously having to run on portable generators, were then tied in as well. The volunteer team seen above was comprised of guys from New Hampshire and Massachusetts. Truly a great bunch of guys! All this work was completed in time for our next big medical team scheduled to arrive in February 2014.