



## ECOPOWER LIBERIA

Cheap, Reliable, Renewable  
Electricity from Biomass

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Project	<b>Implementing a bioenergy pilot project with practical demo and training</b>
Activity 2	Training at Booker Washington Institute (BWI) vocational training center

### Training the Experts

#### Students were instructed in:

- Gasifier parting: Remove blowers, flare, exhaust, top plate, cyclone jar
- Emptying the filter and re-packing
- Remove all biomass down to reduction bell
- Expose and clean nozzles
- Clean bottom and bell
- Remove ash
- Identify and change fuses
- Interpret error states, and correct from GCU
- Rebuild gaskets and spread silicon
- Reassemble components
- Reload and restart



We dove deep into the machine. The students were very confident handling the machine, and very disciplined during the breaking down of the machine. Considering the ash, charcoal and biomass that were removed, the parts and screws were kept well organized and the workspace was maintained neat.







Above: Electrical components- wiring, distribution box, and misc.

Right: lights on, small motor (on floor), and welder (red).

