

13 December 2020

PIRON-Group 

Earth-Science

APEC Schools

C-Raymundo,

Pasig, Metro Manila

We are hereby declare the ownership and the claim of CFGS (Collection, Filtration, Generator System). A solution capable of giving free energy for those who are affected by a heavy thunderstorm and do not have any ways to use electricity. This solution will provide not only a generator but also is capable of storing water in drums, filtered and can be used for washing hands, cleaning, or light-showering. This filtered water is not safe to drink.

CFGS Can provide electricity through the use of Hydroelectric Generator. While providing it will also charge a 10,000 mAh PowerBank. Once harvesting, it can output 3-5v electricity to USB Outlet or Battery Pods for charging.

CFGS will be able to collect water through Rain Gutter located at the roof of a house, Once rain falls through the roof, Rain gutter will collect it and sends it to the pipe where the Hydroelectric Generator is located, giving energy or electricity. Once on Hydroelectric Generator, it will fall through the filtration pipe down to the drums, and can be used for light-showering, washing hands or cleaning. It also a choice to return the water collected to the roof for energy harvesting, or if available, to the water tank for future uses.

If, however the house sank, the only option is to use the water tank (Reserve, Emergency Tank). The RET is equipped with two (2) Hydroelectric Generator, one (1) for pump, one (1) for output.

CFGS is designed on December 7, 2020. Updates on the design would be considered as part of this claim.