

# Energy Crowd Funding Updates

Sometimes we cover energy related crowd funding projects. We like to do this to point out scams, and also offer support to the legitimate efforts. The following covers some recent campaigns and an update on others we covered to see how they are going.

## 1. Hydrobee Harvests Water Energy for USB Power

This is a novel small energy harvester device suited to campers and anyone with access to running water (including the tap)

They have raised \$20,000 of the initial \$48,000 requested, I think they may have enough to get it to production



From the fund Raising site: here are over 700 million people who live without reliable electricity in developing countries and yet have mobile phones. They spend over \$20 billion a year buying phone charges from local vendors with car batteries. With your help, millions of people will be able to charge their phones with free energy from nature and have better lives. If you don't need a Hydrobee and are not interested in one of the rewards, *please donate* for those that need it the most. With your help we'll finish the product and be able to partner with non-profits and microfinance institutions to get these in the hands of people across the globe.

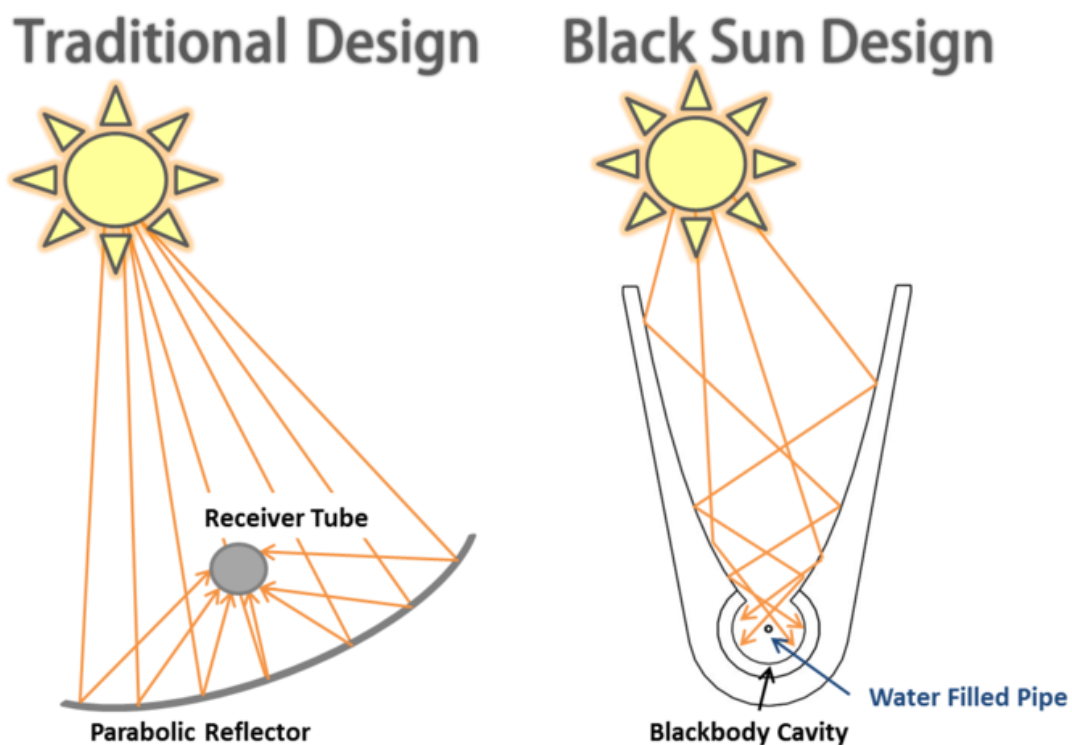
Flow of only one gallon per minute will charge the battery. Every Hydrobee will include a simple rubber adapter which will attach it to most faucets and garden hoses. Whenever water is run for drinking, washing, or for any purpose, clean energy is

generated and stored. Then the Hydrobee can be removed from the faucet and you can take it with you to charge your devices.

## 2. Black Sun: Revolutionary Solar Collector

They have only raised a little under \$2,000 so far of a \$30,000 goal. This gets a big thumbs up from me for innovation. According to their campaign information; "A solar thermal collector capable of drastically reducing construction costs and making clean energy accessible and affordable for all."

The **patent-pending Black Sun solar collector** uses two parabolic reflectors to capture sunlight and funnel it downwards into a circular cavity. This cavity is designed to mimic the behavior of a **blackbody** which, by nature, absorbs 100% of all incoming energy. Inside the cavity, a water-filled tube is heated to high temperatures capable of driving a turbine and generating electricity.



### Advantages of Black Sun CSP Collectors

**Minimal sun-tracking:** Existing CSP systems require expensive and intricate sun-tracking mechanisms to ensure the collectors are always pointed directly at the sun. The innovation of our design eliminates the need for constant, precision sun-tracking,

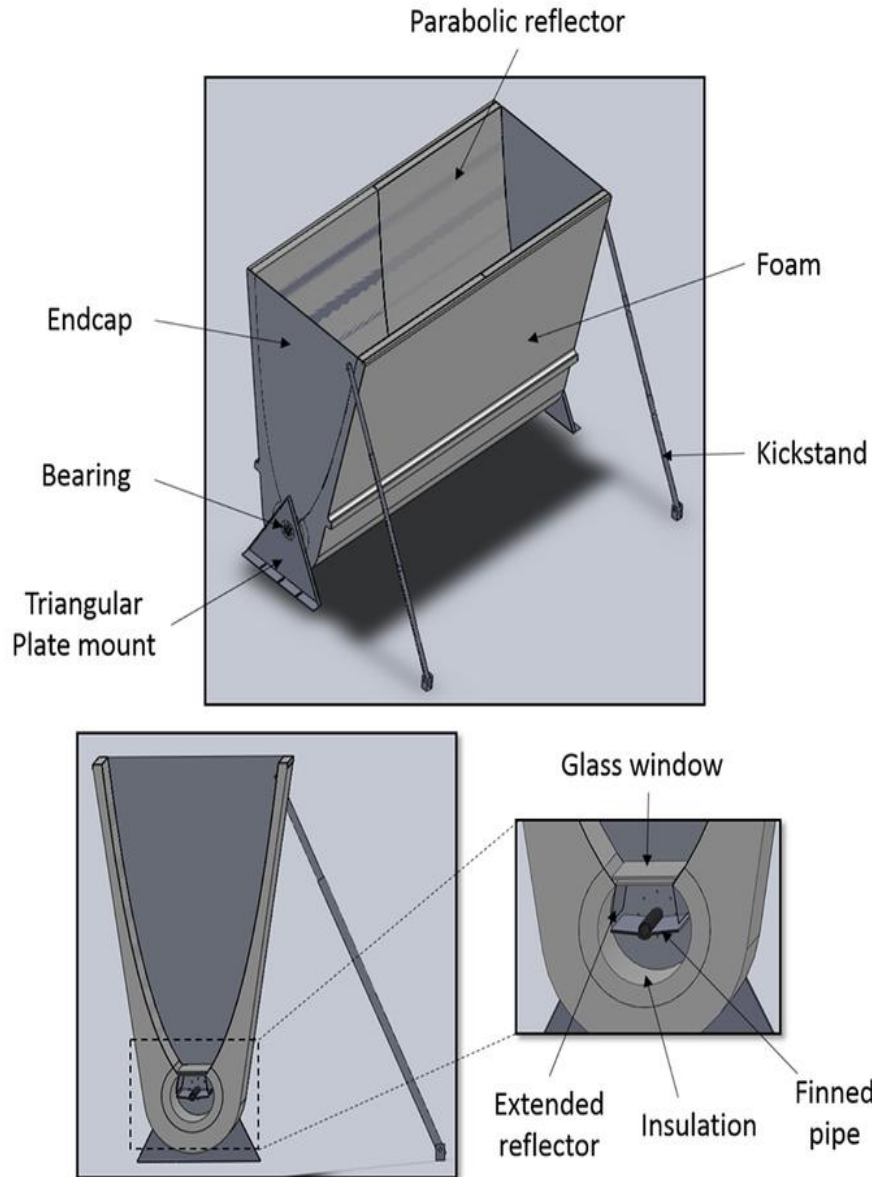
since the light only needs to be funneled into the blackbody cavity opening to be converted into useful, thermal heat.

**Blackbody design:** Conventional CSP receivers experience substantial heat losses because their receiver tubes are exposed to the surroundings. To reduce these losses, current CSP designs must implement expensive, vacuum sealed glass tubes. Our blackbody design traps and stores heat inside the cavity, eliminating the need for expensive insulating receivers.

**Inexpensive materials:** The BSPS solar collector is constructed out of foam and thin film mirrors, which are considerably cheaper than the precision glass mirrors and aluminum or steel frames used to build existing CSP collectors. Our prototype testing has confirmed that foam is capable of withstanding the most extreme wind loading and weather conditions demanded by building codes.

#### Project Goals and Deliverables

Black Sun Planetary Solutions aims to make clean energy affordable and accessible to all, and in doing so, drastically reduce the need for fossil fuels and coal-powered plants. The Kickstarter campaign will help us realize a very significant goal in our project timeline – the construction and optimization of a complete and fully-functional solar collector unit.



The construction of one fully functional collector unit is essential to drive the progress of our project. It will provide us the supporting data and investor confidence we need to implement an entire solar field of collectors. With your help, we can showcase our product to the market and make our collectors commercially available to all.

### 3. MYT 6-inch Engine for Aviation 2.0

They have raised nearly \$2800 of the \$130,000 goal. Of the money the first \$2000 goes to Sterling Allan to return money already forwarded to help out with rent etc. We ran an article on this pointing out some of the claims being made were a stretch and

the funds were well short of what would be needed. We also ran comparisons to other projects. I received a lot of personal criticism from the campaign manager (SA) for my negativity. I trust the public and they have voted with their wallets.

From teh Crowd funding site: ‘

## Project Overview

*by Sterling D. Allan, PES Network, Inc. and NEST, in association with Raphial Morgado of Angel Labs LLC.*

Since 2001, Raphial Morgado, who, to me, is like hanging around with Leonardo da Vinci, has been working on an advanced engine that is actually very simple in its components. As we’ve been reporting on this over the years, we’ve summarized it saying:

“The MYT™ Engine features 40 times higher power-to-weight ratio, low parts count, low maintenance, high mechanical efficiency, and low pollution. It is poised to benefit applications including airplanes, ships, 18 wheelers, SUVs, passenger cars, and even down to carry-on power generators. The MYT™ Engine, as a pump/compressor, also exceeds existing pumps/compressors in providing massive pressure, volume, and flow; all in one unit.”

His patented 14-inch engine, which was the star of the show at the 2006 LA Auto Show, and First-Prize winner in the 2006 Emhart-NASA Tech Briefs “Create the Future” Design Contest, ran on diesel-related fuels for its first 9 months before Raphial converted it to run on pressurized air (so it could be run indoors at the LA Auto show).



It has performed well in dynamometer testing, outputting 814 foot-pounds of torque with just 150 psi of input air, at 800 rpm. Last year, Lieutenant Colonel Brett Laboo of the Australian Department of Defense published a comparative analysis of Raphial's Massive Yet Tiny engine, which packs by far the most powerful punch for its small size, compared to other diesel engines in the world.

But what is most exciting about the MYT™ Engine is that it enables Aviation 2.0 — an advance in aviation so profound that it deserves that quantum leap label. No one else is even seriously thinking about such a name, so last week, after my visit to Raphial, I was able to grab the domain name:Aviation2.com to forward to our PESWiki feature index on Raphial's work, then later to hand it over to him when his team gets a website built for it. Since I was a kid, I've been wondering: "When will we ever get our jet packs? When are we going to get our flying cars?"

#### 4. Free Energy House and Car Contest Prize for Evolve Expo

This one is to raise prize money for a Free Energy Competition. It appears to have bombed without any funds being raised after 8 days. It seems strange to even think anyone would qualify for any prize money given no free energy device has ever claimed any prize money. The \$500 goal where first place would receive \$125 falls well short of any worthwhile reward. From the Site:

#### Brief Summary

by Sterling D. Allan and James Schmidt, VP of NEST  
*Pure Energy Systems News*



We've been tracking the exotic free energy sector for 11.5 years, running the best news and directory service on the web in this sector. While it seems that there isn't

anything available for sale for home power or for powering a car YET, there are now several companies with technologies far enough along to at least demonstrate these capabilities; and some of those may actually be ready for sale soon. So with Larry Cooper, who is organizing the upcoming 2014 Evolve Expo in Denver from February 21–23 at the National Western Show Complex, offering to build an exhibit space to demonstrate home power capability, as well as have a car to demonstrate car power technology, we at the New Energy Systems Trust (NEST), working in conjunction with Larry Cooper, decided to run a contest for these two categories.

Who has the best home–power technology, and who has the best car–power technology?

The **criteria** for rating the submitted exotic and breakthrough energy inventions for use with and in the home and the car have been posted with our November 30 story about this contest (Home |Car). The criteria include: How exotic is the idea, What is the efficiency, How practical is it, How close to development, What is the cost, and Has it been validated?

The purpose for this crowdfunding campaign is to get a kitty of funds to award the winners. Maybe if the kitty gets high enough we might entice a company that until now has been under the radar to step forward. We would like the kitty to be high enough to be able to provide a great award for those who are ahead of this world–changing game.

We’re talking about something that will impact the world on a huge level: affordable, clean, distributed power, rendering the power companies obsolete while empowering the people — literally and figuratively. We’re talking something that could break the stranglehold of the corrupt powers that be, providing the beginning of another huge industrial revolution, this one being based on cleaning up the planet and living responsibility, rather than the other way around. Free energy is all about freedom, and responsibility is a quintessentially important principle undergirding freedom not turning to licentiousness, which leads to corruption, which leads to the captivity that until has been taking over the planet. So what you get out of this is a future we’ve all been yearning for.

The winners of the “Free Energy House” and “Free Energy Car” contests will each receive 25% of the funds raised. The second and third place prize winners (in both the House and Car category) will receive 15% and 5 %, respectively, with the remaining 10% being split between NEST and Indiegogo (fees). The winner of the contest for the Free Energy House will receive a free booth at the Expo and their device/technology will be



the one selected to power the “Free Energy” Exhibit House to be built at the National Western Conference Center.

There will also be a winner for the “Free Energy Car” contest where efficiency-improving and pollution-free technologies will be displayed. Ideally, the winner technology will be able to power the vehicle with no plug-in or fuel required, drawing energy from the wheelwork of nature. The “Free Energy” car will be part of the “Green Transportation” area of the Expo.

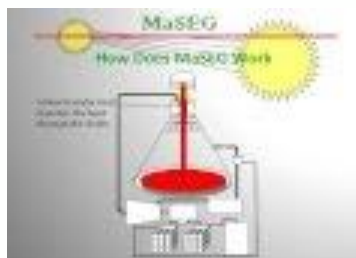
## 5. Magnified Solar Energy Generator

I am very pleased to say that this campaign only raised \$205 of a \$250,000 goal. This was a great example of the public exercising common sense and voting with their wallets. We covered this back in September. From the site:

### Short Summary

Welcome to MaSEG, I’m Richard Kilgore, inventor of the Magnified Solar Energy Generator.

My education is in Business and Electrical Engineering.



My background also includes construction, manufacturing, wholesale and retail sales. In 1977, I had an idea, an idea to **develop solar energy without using solar panels** while producing efficiency more than four times greater than other solar devices. Right out of the gate I realized, solar energy only works when the sun’s shining, so I had to overcome that obstacle first. And, In order to be efficient and cost effective, solar energy must be converted into other multiple forms of energy, and then, used in conversion to electricity.

After many long hours of research and development and tens of thousands of dollars, I **discovered how to generate electricity 24/7, continuously, with a MaSEG unit**. Until now, solar panels and solar devices could not give you that capability.

We have come a long way, through times when people thought that solar energy wasn’t even feasible, thinking, there couldn’t be enough electricity produced to really make a difference. Politics, business and our environment have gone through a total



transformation with no real answers in sight to questions remotely related to solar energy. **In 1977, renewable, green energy wasn't feasible or even heard of for that matter, but today, not only is it feasible, it can also be efficient and cost effective with a MaSEG unit, in any size or output.**

A Patent Application was filed August of 2011 and now it has become necessary to defend that patent to its completion. Along with that defense, the purpose of this project is to **build a MaSEG unit that will supply 20 homes with electricity well below the prevailing kWh market price while paying for itself in 2 to 5 years** depending on your local pricing by selling extra power on the grid. **This will be our first residential production model.** This initial project is to get MaSEG off the ground and into production. **Pledges and/or donations are not to be used as profit.** All donations will be used for research, development and associated costs to get MaSEG ready to become a marketable product to help people everywhere.

Source: <http://revolution-green.com/energy-crowd-funding-updates/>