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# FreeStar Power, LLC

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7 October, 2020

8507 Vistadale Dr.  
Humble, TX. 77338

Dear Administrator:

Thank you for everything. This competition is an enormous incentive and spiritual boost for us. After five years of research, development, trials, errors and successes, your program is validation that we are on the right track. Harvester48 is the most transformative appliance for consumers of electricity in all the 100+ years history of grid power. I am living proof of that statement. I am in control of the power at my home. Grid power is one source, battery power is the other. My DC is fortified with solar. When my batteries are full, I have back-up power for the entire house (not just the critical loads). On any day that is not overcast or rainy, I have DC power to turn grid off, and I do, every day. I no longer pay for grid power 24 hours a day. I reduce my electricity rate to \$0.00/kWh every time I go on DC, and on most days that's from sunup to evening. With Harvester48 I have 1) reduced my carbon footprint, 2) reduced my dependency on grid, 3) reduced my costs for electricity, 4) increased my electrical power bandwidth, 5) a dynamic view of power harvest, storage and usage.

I have the best power on the planet, my own personal power plant backed up with American grid power. My appliance is the solution for homes in California, Washington and Oregon where grid power blackouts put hundreds of thousands of homes in the dark to prevent forest fires. It is the solution for Puerto Rico, where people want an Integrated Power system like Harvester48, but got grid-tie solar instead, and hate it. For people in the Bahamas who still are using generators for power 24 hours a day because their grid power plant is still in disrepair, Harvester48 is their solution. I have the solution for better power at the consumer level to incorporate "Integrated Power", ending grid-tie and ushering in a new way to do power for future generations. I need help getting Harvester48 into production and into the hands of the people on this planet.

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All that being said, here's what I need help with to succeed in this competition:

- A. Independent inspection, testing and certification services -  
**ANSI/CAN/UL 9540:2016Ed.1 *Standard For Energy Storage Systems And Equipment***
- B. Assistance establishing an assembly facility in accordance with certification requirements of the testing authority. We also must establish calibration & testing methods and maintain a repair workbench for the inverters in this facility. We need consultation with engineers and space planners who have experience establishing such operations.
- C. Technical writers and assistance with developing technical documentation.
- D. To connect with resources in your community for wind power equipment, fuel cell technologies, batteries, inverters, transducers and all the components we procure to build Harvester48.
- E. Assistance with website development and media marketing platforms.
- F. Assistance with developing a business model to roll out our product for national and worldwide distribution.
- G. Assistance with contacting and presenting to government officials and entities such as FEMA, the Military and governors of California, Florida & Washington.

Star-Precision Fabricators and Sensor Design Group have registered as connectors with American-Made Challenges. They are both Houston based companies to whom we have outsourced mechanical engineering & fabrication and electrical engineering & computer hardware/software development, respectively. With these partners AND resources from American-Made Challenges, we will be successful.

I hope you find my innovation and our work to date worthy of your Ready! reward and one of the 20 slots in this competition. Thank you for the opportunity!

Sincerely,

Michael E. Love  
Product Development Manager