

CLOCK IS TICKING



WE MUST ACT SOON

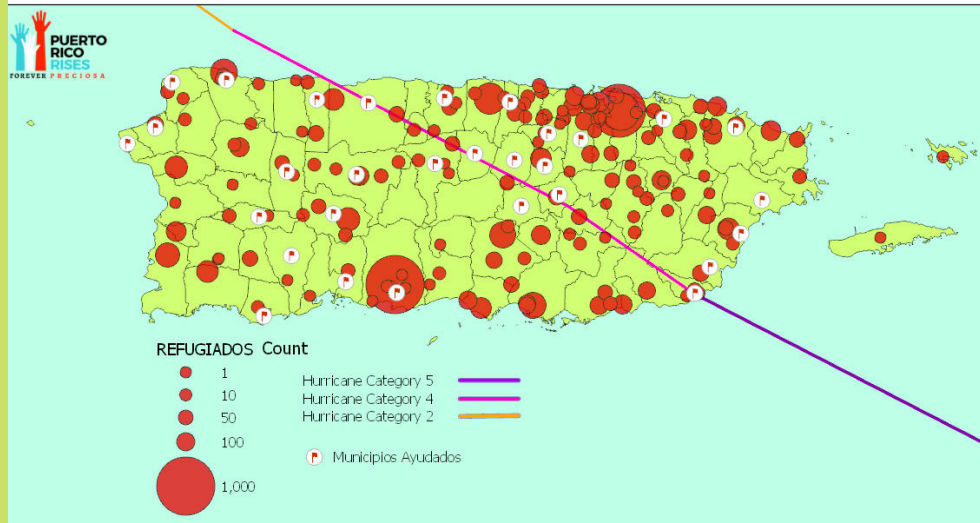


DISASTER & CLIMATE RELIEF - A NEW WAY FOR PR



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Climate Change has brought about an unprecedented number of natural disasters of never before seen power and intensity. This trend is predicted to only increase in the foreseeable future. This Project will reduce suffering, dislocation and potential medical emergencies in the immediate aftermath of a natural disaster. It will also promote long term rebuilding efforts and overall disaster resiliency while trading lightly on the environment. The Project seeks to provide Solar Shelter Kits (SSKs) to families seeking to recover in the immediate aftermath of a disaster, or as they rebuild over the long term. Each SSK consists of an insulating, hard-walled, temporary structure complete with water filtration for a family of four and a solar generator capable of running small appliances or medical equipment and storing energy for nighttime or rainy-day use. All SSKs can be cleaned and stored for re-use several times over their ten-year projected life..



OUR PROJECT

MISSION VISION OBJECTIVE

Minimize dislocation, homelessness, suffering and medical emergencies or fatalities to those most affected by an emergency or disaster. Promote recovery, long term rebuilding and overall resiliency.

Accomplish these goals by providing access to solar energy, clean water and shelter through our specially designed SSKs. This project also mitigates the waste and pollution that typically follow in the aftermath of disaster. While rightly seeking to provide power, clean water and shelter to survivors, governments and NGOs usually turn to gas-powered generators, bottled water and tents. The results are intensified fossil fuel use in generators that are not fuel-efficient and do not have air pollution prevention systems. The provision of bottled water leaves millions of containers behind. Globally, only about 30% are ever recycled and most often end up in landfills, along roadsides, in local waterways and 10% eventually end up in the world's oceans (that's millions per year). The tents that are deployed, along with many of their accessory components are basically single-use systems that are simply "thrown away" after the crisis has passed. But where is "away" and what about all the carbon generated and the resources committed to their manufacture and deployment? Individually, these natural disasters are relatively small on a global scale. However, their number is increasing world-wide, along with their global impact. They also represent a very intense blast of pollution and waste in a very short time.



Our project will help survivors heal while also mitigating the corrosive effects of the business as usual approach to providing disaster relief, which only make the cycles of climate change and damage worse. Our solar generators deliver reliable, clean power for security, communications and small appliance/medical device use. The water filtration systems provided with the SSK purifies up to 18,000 liters of water without any use of electricity or need for additional filtration media. That is roughly enough water for a family of five for three years, with no throw-away bottles or containers. The shelter itself is primarily composed of recycled/recyclable or renewable materials. It is durable and designed for many deployments for ten years or more. All of the equipment in the SSK is designed to be reused many times, reducing carbon footprint and overall waste while also building resilience on an island in dire need while facing the terrible effects of climate change.

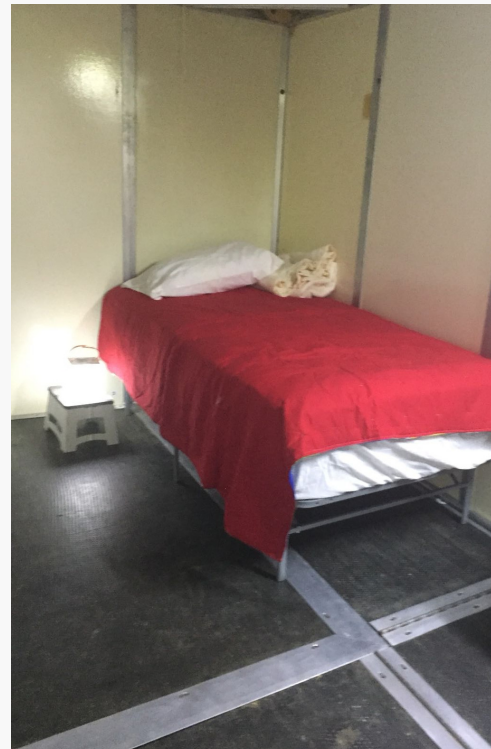
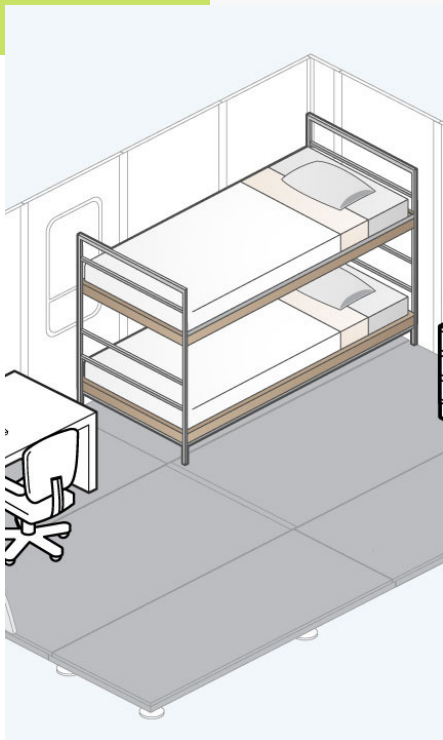
A ROOF, WATER & SOLAR POWER IN 30 MINUTES



Because the SSKs are easily assembled and disassembled and can be relocated many times, each SSK can help several families in succession. The SSKs are designed with a lifespan of ten years and they can be cleaned and stored indefinitely for later re-use. This means the overall impact of just 20 SSKs could be counted in the thousands. In the immediate aftermath of a disaster, the Program would provide 20 families with our rapid response Solar Shelter Kit. This could provide relief for 80 or more individuals per deployment. If more SSKs are available, more families in more impacted regions could be helped following a disaster or emergency. Once a particular family or group is back on its feet, the SSK is brought back to our warehouse, cleaned and re-deployed or stored for later use. Because the SSK can be stored, resiliency will be increased for future situations. Re-use, coupled with clean energy and no-waste deployments and water filtration comprise a solution that is far easier on the environment than standard disaster relief solutions.

SHELTER, ENERGY AND WATER SHOULD NOT BE A LUXURY DURING EMERGENCY TIMES.

Create a new, reliable system to provide the most basic necessities following a disaster, both in the short and long terms. Offset the harmful environmental side-effects of disaster relief. This system could serve as a model for a larger, island-wide program and maybe one that could be adopted by FEMA, international governments, or other huge international NGOs; creating even greater impact. Knowing that they have a safe place to stay, with energy and water, while their home is repaired or rebuilt allows disaster survivors to focus on recuperation and taking care of their families' needs. The objective is to supply these basic needs to as many people as possible following an emergency and to create a long-term plan around the SSK, creating resiliency and environmental responsibility in the face of ever more powerful and frequent storms.



RESILIENCE & ENVIRONMENTAL RESPONSIBILITY

The Project will provide for basic needs of shelter, water and energy following natural disasters. By providing a Solar Shelter Kit (SSK), a family or group will have a hard-walled shelter along with electricity for small appliances and medical device and clean water for four for as long as needed. Once the need has passed, each SSK can be cleaned and given to another family/group or stored for reuse. Because the SSK has an expected life of up to ten years, each SSK could affect the lives of hundreds of people. If the 20 SSKs sought are acquired, the impact could be in the thousands. Due to the Kit's long life and the fact that it can be stored indefinitely, resiliency in the face of more frequent and more powerful storms is achieved. With multiple uses, this resiliency also comes with a reduced carbon footprint and less waste generated per deployment. This helps to mitigate the effects of climate change which is the root cause of so many disasters.

CHALLENGE & SOLUTION



In the face of growing displacement, economic hardship and loss of life due to increasingly powerful natural disasters, create a reliable system for providing necessities to families and groups of people in affected areas. Promote the well-being, recovery and rebuilding efforts of disaster victims by distributing renewable energy generation, water purification and shelter in the form of pre-designed Solar Shelter Kits. Increase on an existing distribution system in which Kits would be used by individual groups for as long as needed, then cleaned and repacked for use by other groups until the need has passed. Provide for safe, long term storage of these Kits to increase disaster resilience.



Produce and distribute Solar Shelter Kits (SSKs) to families struggling to recover in the immediate aftermath of a disaster, or as they rebuild over the long term. Each SSK consists of an insulating, hard-walled, temporary structure complete with water filtration for a family of four and a solar generator capable of running small appliances or medical equipment and storing energy for nighttime or rainy-day use. Kits would be used by individual groups for as long as needed, then cleaned and repacked for use by other groups until the need has passed. All SSKs can be cleaned and stored for re-use several times over their ten-year projected life.

LONG TERM IMPACT

If the 20 SSKs sought are acquired, the SSKs would impact the lives of thousands of people. Because the SSK has an expected life of up to ten years, each SSK could affect the lives of hundreds of people. The modular design of the SSK allows for several systems to be interconnected. Due to the SSK's long life and the fact that it can be stored indefinitely, resiliency in the face of more frequent and more powerful storms is achieved along with greater long term impact.

Repeated uses further increase the benefits of the SSK system. Each deployment of an SSK represents less fuel use, fewer bottled water containers in the landscape and oceans and fewer disposable tent/shelter solutions in landfills. In this way, even greater impact can be achieved. If used as a school, day care center, medical facility or food distribution center, overall impact would be in the several thousands.



TECHNICAL SPECIFICATIONS

Technical Specifications for each SSK:

Each SSK will contain one solar generator with battery storage, one water filtration system and one hard-sided shelter:

Solar Generator:

Solar Panel: 100w, fully charges system in 15 hours, expandable

Internal Battery: 1,100 watt hours (90 amp hours, 12.6 volts), Lithium NMC

Battery Life Expectancy: Up to 2,000 Cycles or 10 Years

AC Inverter: 1,500 watts continuous pure sine wave, 3,000 watts starting surge

Charging: 500 watts max input, 3 hour recharge time at max input

Battery Expansion: Yes - accepts external Lithium-Ion, 12V lead acid or AGM deep cycle battery

MPPT Charge Controller: Allows for faster and more efficient charging

USB-C Charge Ports

USB Qual Comm 3.0 Charge Ports

3 Position Power Switch: Allows user to charge devices via the USB, USB-C, and 12V output ports without having to turn on the inverter

EC8 Input Plug: Creates an extremely user friendly, plug and play interface

Dimensions: 14" W x 7" H x 8" D, Weight: 25 lb

Water Filter:

Purification technology removes viruses, bacteria, parasites and microplastics

Easy to store and highly durable, designed for longevity and harsh conditions

Lifetime of 4,755 gallons (18,000 liters), over 3 years of drinking water for a family of 5

Rigorous independent testing with WHO, US EPA, NSF and ASTM protocols

Gravity filtration - no power required

This product gives back. When we buy one filter system, the manufacturer gives one product for one school child, providing one year of clean water

Shelter:

Flat-packed, panelized shelter with multi-ply, 100% UV block fabric roof

Entire shelter ships in a single crate, the crate unfolds to become the floor

All components snap into place without fasteners

Setup time for a team of two people: 30-45 minutes, No tool assembly

Doors and windows can be configured in multiple ways

Individual parts are numbered and/or color coded to ease construction

Floor: 42mm polypropylene core with 2 plies WR reinforcement each side, Walls:

19mm polypropylene core with 1 ply WR reinforcement each side

Crate size & weight: 4'W x 7'-6"L x 3.75'T; 1480lbs

Assembled shelter: 9'-2"W x 14'-2"L x 9'-0"T

Product is produced using recycled/recyclable and renewable materials



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FOREVER **PRECIOSA**