



## Case Study: ReGenerator for the Make It Right Foundation in Haiti

**SITUATION:** The Make It Right Foundation is known for their good work in the aftermath of the Katrina disaster in New Orleans and especially for helping to rebuild the city's devastated lower 9th ward. The Foundation is a leader in the application of renewable energy and environmental sustainability.

The people of Make It Right have expertise in energy, building materials, architecture, and in applying their skills in the aftermath of a disaster. Those skills have been put to use as the staff of Make it Right answer the call to help the people of Haiti after the January 12th, 2010 earthquake.

Two ReGenerators were sent by Make It Right to Jacmel, Haiti for use in the effort so provide basic living conditions to displaced people — lighting, refrigeration and telecommunications. Jacmel, like many parts of Haiti, was lacking an extensive electrical infrastructure prior to the earthquake. One ReGenerator resides at the Ciné Institute, an organization that provides Haitian youth with film education and entertainment, technical training, and media related micro-enterprise opportunities. The Ciné Institute's students have documented the aftermath and recovery efforts following the devastating earthquake in Haiti.

### REQUIREMENTS:

- Daily energy production provides power for portable electronics, lighting, and communication equipment
- No logistic support (such as fossil-fuel deliveries) or regular maintenance
- Set-up and operation with no prior training or technical knowledge
- Mobility to react to changing conditions on the ground

### THE MAKE IT RIGHT FOUNDATION

Students at the Ciné Institute use the power provided by their donated ReGenerator to document the aftermath and recovery efforts following the devastating earthquake in Haiti.



### POWER REQUIREMENTS

- Laptop computers and server
- Charging for video cameras and other portable electronics
- Lighting and refrigerators for residences



## Case Study: ReGenerator for the Make It Right Foundation in Haiti (continued)

### SOLUTION: THE REGENERATOR H3000

The Make it Right Foundation chose ReGenerator units for their Haitian recovery project. Unlike traditional renewable energy systems the ReGenerator could be deployed and in operation quickly, and was immediately put to use on-location – no lengthy installation or technical assistance was needed. And unlike traditional generators, the ReGenerator units provide power every day without the need for expensive, polluting fossil fuel. The ReGenerator products fit the Foundation’s commitment to sustainability while providing flexibility in a chaotic, complex situation.

At the Ciné Institute in Jacmel, a trailer-mounted ReGenerator is powering three bungalows, over a dozen laptop computers, servers, lights, communications equipment and small refrigeration 24 hours a day. After six months it remains the only source of power at the school.



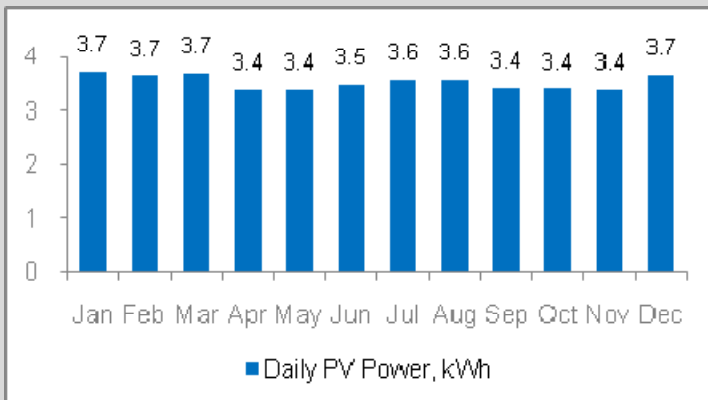
<b>Recommended Configuration</b>	<b>ReGenerator H3000</b>
<b>Power Rating</b>	3,000 VA of digital-quality AC power 6,000 Watts of peak power
<b>Integrated Solar</b>	720 W of rated Solar
<b>External Solar</b>	Option to quick-connect to 1.2 kW of Solar or connect up to 1.8 kW of Solar through 120V AC input
<b>Wind Generation</b>	Option to connect a wind turbine up to 1.2 kW
<b>AC Power Output</b>	120V / 240 V AC at 60 hz 8 x 110V AC GFCI Outlets
<b>DC Power Output</b>	4 x 12V DC Outlets
<b>Generator Support</b>	Generator Auto-start, up to 12 kW
<b>Storage</b>	6 x 180 Ahr AGM batteries 12.9 kWh of storage
<b>Control &amp; Monitoring</b>	Windows desktop client Wireless web monitoring using GSM / GPRS
<b>Weight</b>	1,750 lbs. / 795 kG
<b>Transport</b>	Fixed to a off-road trailer with stands and removable tongue

### REGENERATOR POWER PRODUCTION

The graph below shows the average power this ReGenerator configuration can deliver each day.

Jacmel, Haiti 18 14" N 72 32' W

Daily Power, kWh	AVG	MIN	MAX	ANN
720 W Internal Solar	3.53	3.39	3.73	1287



H-Series Avg Daily Power Generation Jacmel, Haiti

For more information:  
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