

Renewable Energy Disaster Relief Fund

Giving a Helping Hand



Life goes on ... living amongst the devastation

National Energy Foundation
145 South 400 East
Salt Lake City, Utah, USA 84111
800-616-8326
<http://www.nef1.org>

Florida Solar Energy Center
1679 Clearlake Road
Cocoa, Florida USA 32922
321-638-1443
<http://www.energyfordisasters.org>

Program Description

REDRF

The National Energy Foundation partnered with the Florida Solar Energy Center and other industry organizations, research institutes and disaster organizations to establish the Renewable Energy Disaster Relief Fund. The Fund assures cost effective, renewable resources are deployed to meet critical energy needs of disaster survivors.

Governance

REDRF

Oversight of the Fund is provided by a Technical Advisory Committee consisting of renewable energy and disaster recovery experts. The committee evaluates requests for assistance, selects viable solar/renewable equipment for deployment and provides training and technical support.

Technical Advisory Committee Members

REDRF

Robin Reinarts, National Energy Foundation

William Young, Florida Solar Energy Center

Jeffery Mazer, U.S. Department of Energy

Vipin Gupta, Sandia National Laboratories

Steve Kalland, North Carolina Solar Center

John Wiles, Southwest Technology Development Institute

Robert Stafford, National Renewable Energy Laboratory

National Energy Foundation

REDRF

A 501 (c) 3 nonprofit educational organization dedicated to the development, dissemination, and implementation of supplementary educational materials, programs, and courses.



CULTIVATING AND PROMOTING AN ENERGY LITERATE SOCIETY

Location: Salt Lake City, UT, USA
www.nef1.org

Florida Solar Energy Center

REDRF

A State of Florida Renewable Energy Research Institute



Established in 1974 by the
Florida Legislature



Location: Cocoa, Florida, USA, 32922

Staff size: 130 people with 12 focusing in PV

Administered by: University of Central Florida

www.floridaenergycenter.com

Renewable Energy Disaster Relief Fund

REDRF

- ❖ Established in 2006
- ❖ Created to serve as first responder to meet critical needs for emergency power following a disaster
- ❖ Provides simple, reliable, renewable, sustainable emergency power
- ❖ Non-profit, 501(c)(3) program

Down to Basics

REDRF

The program can provide energy sources to power:

- ❖ Life support equipment
- ❖ Water pumping and purification
- ❖ Emergency lighting
- ❖ Communications
- ❖ Limited refrigeration
- ❖ Security systems

Example of Solar Disaster Kit

REDRF



PV Generator Project Example

REDRF

Special needs patient benefits from portable solar supply



0.5 kWp PV
generator trailer in
Pearlington, Miss.

Powering an oxygen generator,
lights and a fan after Katrina

Deployment

REDRF

- ❖ Individuals, disaster organizations or government agencies make requests following a disaster
- ❖ Technical Advisory Committee will select projects based on need
- ❖ Technical Advisory Committee will make equipment selection based on application and resources
- ❖ Trained technical deployment team will deploy equipment
- ❖ Trained technical deployment team will support requesting entity and provide additional training