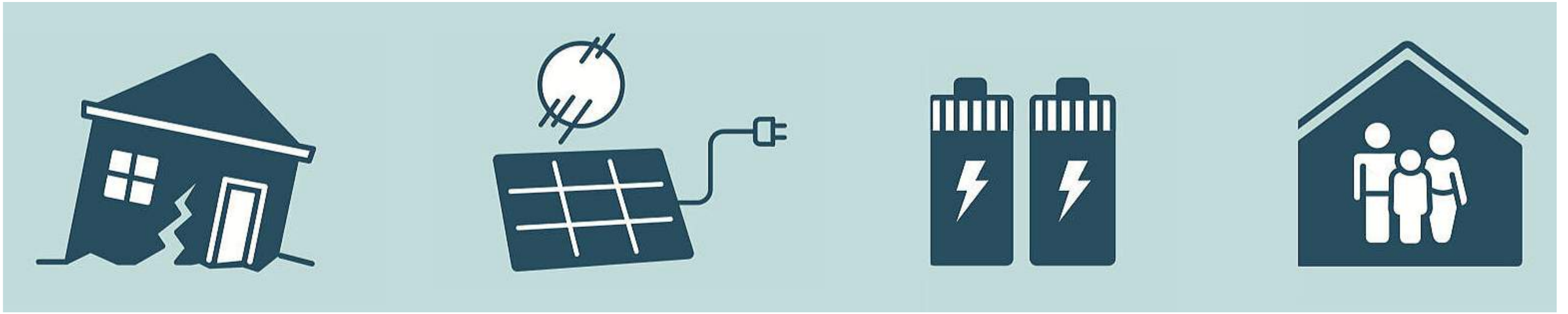
footprintproject.org

2021 Impact Summary

What We Do



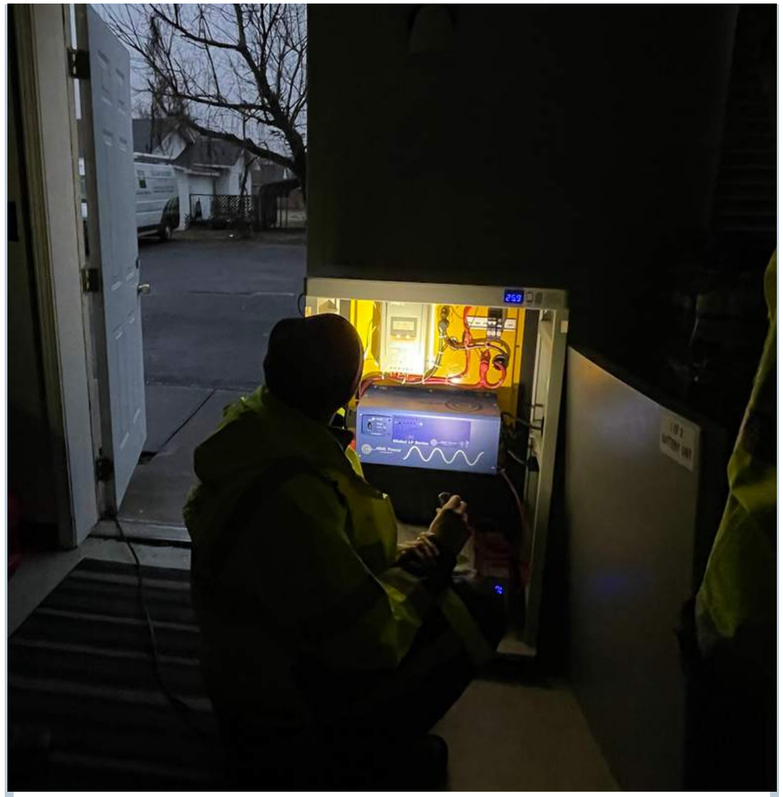
We help build back greener after climate disasters
by mobilizing cleaner energy to communities in crisis.

We develop and deploy mobile solar generators
to power front-line resilience efforts across the domestic United States.

We provide equipment, logistics and training for survivors and responders.

Our Programs

Disaster Response



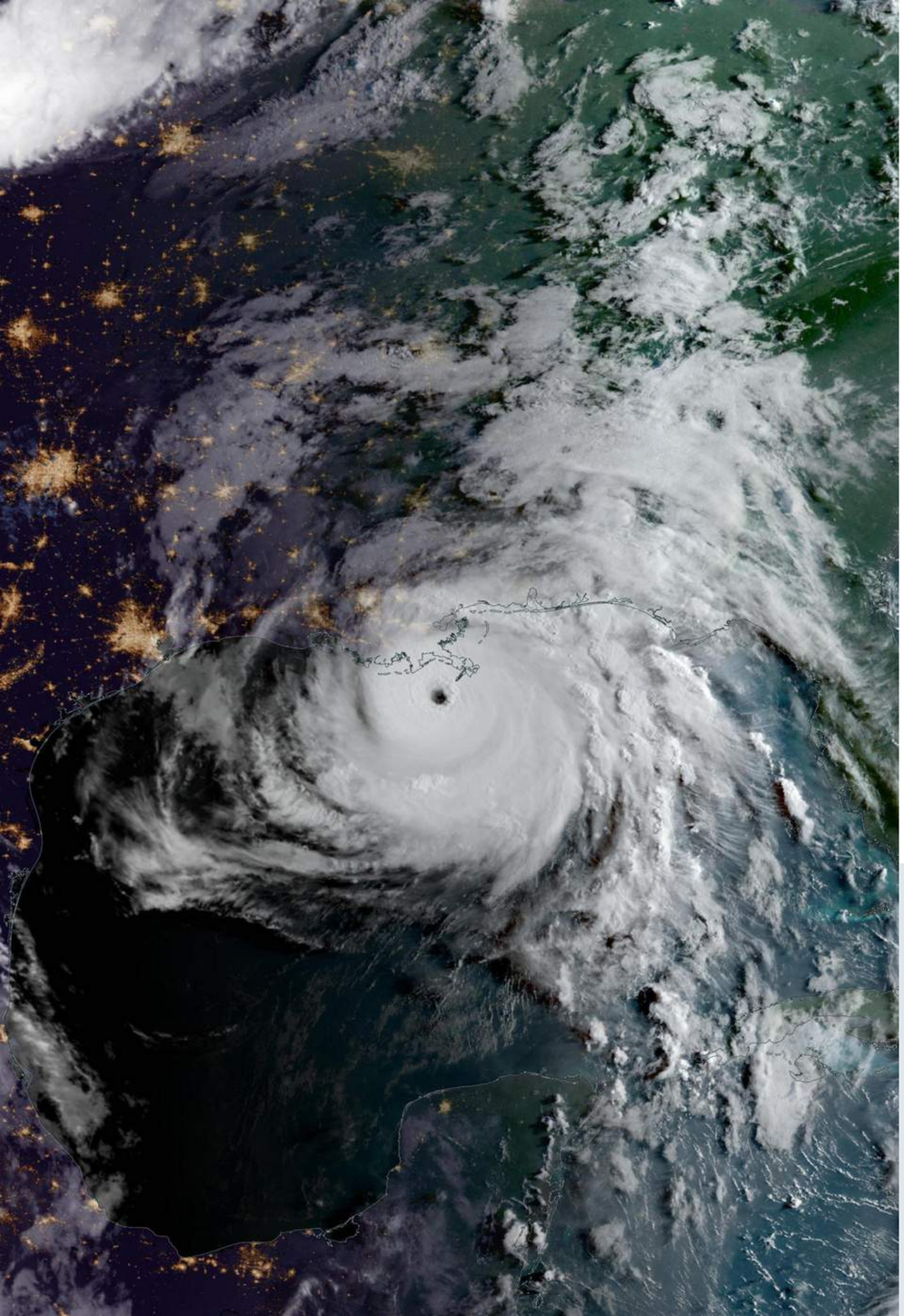
We rapidly deploy mobile solar generators to power up responders and survivors.

Community Resilience

We develop fleets of community mobile solar generators and train local partners to plug-in.

Solar Waste Recovery

We reuse second-life solar, battery and electrical components to keep them out of landfills.



2021 Highlights

Hurricane Ida Response

Just 5 days after Hurricane Ida made landfall, Footprint Project was on the ground in Southeast Louisiana. Over a million people lost power, and the grid would not return to some of the hardest hit areas for over six weeks. Our largest disaster deployment to date included:

20+ Community Resiliency Sites

100 kW+ of Solar PV

400 kWh+ of Battery Storage

What is a Community Resiliency Site? Working with local partners and first responders, we identify and assess areas of greatest need, then power up specific locations providing critical community services. Sites range from fire stations and medical clinics to churches, tribal centers and volunteer camps. Footprint Project is dedicated to a community-focused approach to building back greener.

Theresa Dardar
Pointe-Au-Chien Indian Tribe

Footprint Project deployed a solar trailer at the Pointe-au-Chien Tribal Center's aid distribution hub. The trailer powered lights, refrigeration, freezers, fans, and a phone charging station for over a month until grid-power was restored. Only a few homes in the area are habitable and over 150 Pointe-au-Chien families have been directly affected by the hurricane.

"It was a big help to be able to have cold drinks, a place to store food and freeze extra donations. I thank God for all these people, and I thank them from the bottom of my heart."

Pastor James Fletcher
Celebration Church - LaPlace, LA

Despite extensive structural damage, Celebration Church began accepting and distributing donations immediately after Ida. Footprint Project deployed a solar microgrid to power their aid distribution site as well as water pumps and tools for reconstruction.

"We're so grateful for y'all with the solar panels. We're able to use them in so many different ways. When we were gutting out the church, people were charging all of their electrical tools. It wasn't something that we thought we were going to need, but once we got it we realized how invaluable it was to us and how much it truly helped our recovery efforts."

Tiffany Theriot
Cajun Commissary

After Ida’s eyewall tore through Houma with winds reaching 150 mph, the local American Legion became a major community resiliency hub with Cajun Commissary's distribution site and Third Wave Volunteers' telemedicine clinic. Their operations were powered by a solar microgrid deployed by Footprint Project.

"We have all the energy we need to serve the volunteers who are serving the people of this community, and it all comes right from the sun. This gift of solar power truly changed how we operate."

Chris W. Cox

Commander, VFW Post 8973

Volunteer veterans who rode out the storm turned the New Orleans VFW (Veterans of Foreign Wars) Post 8973 into a community resiliency hub, serving a total of 1,800 meals and distributing over $25,000 worth of donated supplies. Footprint Project powered the post's lighting and refrigeration.

"Working alongside Footprint Project in the days and weeks after Hurricane Ida not only motivated the people around them to stay engaged with communities hardest hit by the storm, but also opened our eyes to what creative, hard-working, and dedicated innovators can do. I, and the members of Veterans of Foreign Wars Post 8973 in New Orleans, are proud to support their efforts to enable access to solar energy."

Louis Michot
Lost Bayou Ramblers

Grammy-award winning artist Louis Michot and Footprint Project teamed up to put on a surprise mobile solar-powered bandstand concert in the bayou. In the midst of recovery for weeks, some hurricane survivors said it was the first time they heard music since before the storm.

"I met Footprint Project right after Hurricane Ida. They have really helped the communities of SE Louisiana through the storm, and that is what resilience is all about: being prepared for the worst. Footprint Project brings that to the people."

2021 Highlights

Pacific Coast Resilience

From wildfires to heat waves, this year's work on the west coast spanned 5 states and 15 sites, prioritizing fire stations, resilience hubs, and community centers.

We also expanded our efforts to support managed encampments for internally displaced persons, providing solar generators for lighting, device charging, and refrigeration.

Chuck Cerasoli, Fire Chief
Steamboat Springs Fire Rescue

"The solar trailer was first utilized to support two different incident command teams when local wildfires started in our area. The trailer replaced the use of large diesel-powered generators needed to set up the command center, as these posts were located in very rural areas without any power. The Incident Command Teams were very impressed at the trailer's capability and ease of use and wanted to keep the trailer for the duration of the fires.

The trailer then played a key role in supplying electricity to a local mobile home park when 15 families had their power cut-off for over 6 weeks after an excavating accident. The trailer was set up to supply power to an ice freezer and three refrigerators, allowing the residents to store food and keep items cold, charge needed electronic devices, as well as provide a cool breeze from fans under the shade of the solar panels."

2021 Highlights

Community Mobile Solar Builds

We believe the best way for communities to develop resilient infrastructure is to build it together. We train our Solar Energy Rapid Response Team (SERRT) members to assemble and deploy mobile solar generators - for the community, by the community. Core to our mission, this innovative program is supported by equipment donations and corporate sponsorship.

Albertha
New Orleans, LA

Our largest disaster deployment to date culminated with one our most meaningful community builds yet. Working with a local artist and Louisiana Environmental Action Network, we wanted to dedicate this solar trailer to Albertha Hasten: one of the first environmental justice leaders. Rooted in the activism of the civil rights movement, she was a fierce advocate for her community and those affected by ‘Cancer Alley’. Thanks to generous support from Schneider Electric, this solar trailer will be deployed to outages caused by climate disasters in the region. We hope it brings a fraction of the power and light that Albertha brought to the people of Louisiana.

Footprint Project's first community solar trailer build in Kansas City was a special collaboration with AY Young, one of the United Nations' Young Leaders on the Sustainable Development Goals (SDGs). This solar trailer will be used for AY's Battery Tour, an international renewable energy powered concert series that raises money through donations to purchase portable, solar powered boxes for villages that do not have reliable access to electricity.

"We are so grateful and the team who put this together made life more fulfilling with their vibrant and connected energy. This is going to change the world."

2021 Highlights

Kentucky Tornadoes

Dr. Carrie Knott
University of Kentucky
Research & Education Center - Princeton, KY

On December 10, 2021, a deadly EF4 tornado devastated the University of Kentucky's Research and Education Center in Princeton. Footprint Project undertook its first winter disaster deployment powering heat, lights, and wifi for their temporary containerized office space. The offices, where much of the center's rebuild will be managed, have been running on a solar microgrid while they await the return of their grid connection.

"The solar has enabled us to get back up and operational more quickly. It's wonderful to be a part of this project - to be able to do demonstration and outreach, even in a time of our own need. This is what this facility is here for."

Dr. Carrie Knott
Director, University of Kentucky Research and Education Center
Princeton, KY

Lessons Learned this Year

Every time we respond, we receive more requests than we can fulfill.

Fossil-fuel generators are a clear pain-point for survivors and responders. They are dangerous, loud, expensive, and fail to live up to "first do no harm" humanitarian ethics.

Solar generators are only as effective as the humans deploying them.

We need to train up our volunteers and support them in the field. This requires experienced staff and investments in internal capacity.

Preparedness makes for the most effective response.

It takes 6 months to develop new solar generator networks and community partnerships in a disaster-prone region. If we're starting this work after the grid goes down, we're too late.

Our Plan for 2022

Build the team - From 2 to 5 full time staff.

We need additional staff to coordinate regional fleet maintenance, engage volunteers, and train responders.

Grow the fleet - From 100 to 500 solar generators.

We need to standardize our equipment portfolio to streamline our response and simplify training.

Train the movement - From 50 to 500 volunteer responders.

We need to roll out our volunteer onboarding plan, remote/in-person certifications, and train-the-trainer modules.

Our Vision through 2030

Decarbonize Disaster Relief

by

1) Developing national networks of sustainable, deployable energy infrastructure;

2) Training a 21st century workforce of volunteer and professional responders;

3) Piloting new models of community resilience.

Financial Summary (Unaudited)

	2019	2020	2021	2022 (Goal)
Income	**$ 109,838**	**$ 353,695**	**$562,354**	**$ 1,000,000**
Donations	$ 37,754	$ 113,958	$ 253,302	$ 400,000
Grants	$ 24,544	$ 101,000	$ 250,816	$ 400,000
Earned	$ 47,540	$ 101,437	$ 50,236	$ 200,000
Loan	$ -	$ 37,300	$ 8,000	$ -
Expenses	**$ 131,186**	**$ 293,404**	**$391,567**	**$ 900,000**
Programs	$ 128,536	$ 267,632	$ 339,309	$ 800,000
Management	$ 2,225	$ 21,149	$ 47,135	$ 90,000
Promotion	$ 425	$ 4,623	$ 5,123	$ 10,000

Support Our Work

You keep our lights on.
Together, we power those in need.

$100
Donate a portable battery unit to a survivor.

$1,000
Train ten first responders how to use solar generators.

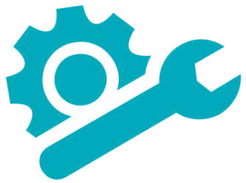
$5,000
Send our response team to a disaster power outage for a week.

$10,000
Build two portable solar generators with community responders.

$50,000
Hire one Program Officer to dramatically expand our impact.

In-Kind Needs

Tools + Appliances



Electric Power Tools
LED Lighting
Hand Tools
Mini-Fridges
Chest Freezers
Propane Heaters

Mobile Assets

Trailers
Shipping Containers
Tents/Canopies
Trucks, RVs, E-Bikes

Staging Areas

Land
Lots (Fenced)
Covered Storage
Warehouse Space
Office Space

Power Supplies

Solar Storage

Batteries, Inverters, Charge Controllers, Panels, Racking, PV Wiring

Electric

Breaker Boxes, Conduit, Cable, Outlets

Enclosures

Job Boxes, Lockers

Gift Cards

Home Depot, Lowe's, ACE
Harbor Freight
Tractor Supply Co
Gas Stations
Hotels
Tires Plus, AutoZone

Communications

Laptops
Radios
Wifi Hotspots
Routers
Data

Together, we can build resilient, equitable communities.

We believe that resilience is a responsibility. In 2021, our corporate sponsors enabled us to respond to disasters faster and remain on the ground longer than ever.

Thank you to our 2021 major resilience sponsors!

Schneider Electric

BayWa r.e.

DUKE ENERGY®

2022 Sponsorship Tiers

Join the movement - help us build more resilient communities in 2022!

Annual Donation	Sponsorship Tier	Logo on website	Email + social media blast	Name a solar generator	Lunch & learn	Wrap a solar generator
$2,000	Partner	✓				
$5,000	Supporter	✓	✓			
$10,000	Sustainer	✓	✓	✓		
$25,000	Leader	✓	✓	✓	✓	
>$50,000	Champion	✓	✓	✓	✓	✓

Thank You for Joining Our Mission

Contact:
info@footprintproject.org