

# COLLABORATIVE DESIGN

## Energy Auditor's Workshop

May, 2023

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Resilient Power Puerto Rico's approach is founded on a collaborative design process aimed at increasing access to renewable energy to build sustainable and equitable communities. In the first step, we Co-learn with our partners to identify and document communities' climate vulnerability, audit organizations' energy consumption and assess their renewable energy needs. With RPPR's Energy Auditors and our homegrown Energy Calculator, we then work to Co-design energy resilience proposals in which we determine total and critical energy loads, identify consumption reduction opportunities, and optimize solar energy system sizes. Finally, we Co-develop solar energy systems with our partners. We start by matching investors to projects and complete all stages of system installations. We then complete all stages from site assessments and preparation and technical and installation teams' procurement, through to the installation of their solar energy system, together with our partners. The process is completed with an operation and maintenance workshop that marks the handover of the systems to their communities.

**30+**  
organizations

More than **30 organizations** have participated in workshops and training sessions as part of our **Co-learning** programs.



**22+** Solar Energy Proposals

We have **Co-designed** more than **22** ready-to-fund solar energy system proposals.

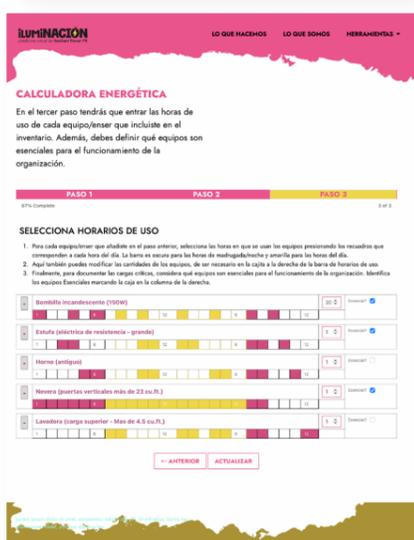


**\$440,000+**  
invested

We have funded **8 proposals** with more than **\$440k invested** in 5 solar energy systems **Co-developed** with our partners, with 2 more in the pipeline.

## SUMMER PROGRAMS 2023

This summer our Co-learning program put RPPR's Energy Calculator in the hands of 11 auditors, trained and certified in Energy Auditing. Over the course of 5 skills workshops and 5 conversations with subject matter experts, participants strengthened their understanding of work in the fields of renewable energy and sustainability. Our Auditors are now part of the team working to co-design solar energy proposals for 16 gender violence survivor centers, the Jane Stern Dorado Community Library and 8 of their satellite libraries.



## ENERGY AUDITS

### Step 1

Document energy consumption by creating an inventory of appliances and equipment and calculating the consumption schedule. Finally, critical loads are identified out of total consumption.

### Step 2

Assess opportunities to reduce consumption by changing behavior patterns or implementing energy efficiency measures. Organizations are provided with information on how alternative choices reduce their energy consumption and costs.

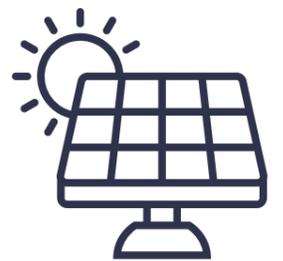
### Step 3

Understand the relationship between energy consumption and generation for different system sizes and consumption levels. Provides the information to optimize system sizes and understand usage during blackouts.

**30+**  
Contact hours



**25+**  
Solar Energy Proposals



**11+**  
Energy Auditors



**RESILIENT  
POWER  
PUERTO  
RICO**

Resilient Power Puerto Rico is a non-profit 501(c)(3) organization focused on strengthening communities' capacity to respond, rebuild, and prosper in the aftermath of natural disasters. Central to our mission is the belief that uninterrupted access to clean energy is essential to bolster the Islands' critical public and social infrastructure systems. At RPPR we are committed increasing local control of renewable energy assets to build more sustainable and equitable futures.

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Coalición de Coaliciones is an organization committed to improving quality of life for the unhoused and other vulnerable persons, applying evidencebased practices and advocating for their right to live a healthy life, in full enjoyment of their dignity. Coalición de Coaliciones is composed of a network of service providers, including but not limited to case managers, social workers, housing location services, and medication-assisted treatment for conditions associated with substance abuse and behavioral health.



Founded in 1989, Coordinadora Paz para las Mujeres is a coalition against domestic violence and sexual assault made up of emergency shelters, direct service organizations, university and government programs, feminists and human rights activists who offer services and support for survivors of gender-based violence. The network includes 38 organizations and 14 individual members. CPM have offered more than 2,000 workshops to professionals providing services to victims of domestic violence.



THE JANE STERN  
DORADO COMMUNITY LIBRARY

The Jane Stern Dorado Community Library is a bilingual community center for literacy, the arts, and life-long learning, with affordable programs year-round. The main Library offers computer labs, children's areas, and classrooms. 8 "satellite" libraries bring JSDCL to 5 municipalities and works with the communities to provide food, household necessities, solar lighting and access to government services following climate disasters. JSDCL provided alternative learning sites following earthquakes in 2020, and free internet and printing for public schools during the COVID-19 pandemic.

## RED DE REDES

*Resilient Power Puerto Rico has engaged in a collaborative design process with non-profits and CBO's from three existing service provision networks. We aim to advance a replicable and scalable solar energy deployment model that serves as an alternative to the privatized centralized, privatized fossil-fueled grid.*

