

# Energizing Rural Communities Prize – Phase 1

The Vieques Emergency Operations Solar Farm  
David Sanes Partnership

## PROJECT LOCATION: VIEQUES, PR

- 8 miles east of Puerto Rico
- 8,043 habitants, per 2022 US Census
- 2,375 households
- 53.2% (official) to 65% (unofficial) population living under poverty line
- Included in National Priority List (NPL) for cleanup of hazardous waste post Navy presence
- Geographical location susceptible to impact of hurricanes
- Longest lasting power outage in the US' history: over 180 days

## PROJECT GOAL

- A 2.4 MW solar micro grid to provide permanent, self-sufficient, clean emergency power to the core infrastructure (government, hospital, police, etc.) in the event of catastrophic power separation from the main power grid in Puerto Rico's mainland
- Supplement power grid by providing 12 carbon-free megawatts of power daily (2.4MW per hour for 5 solar hours per day), to stabilize power fluctuations, during non-emergencies

## PROJECT TEAM

- Chase J. Jazzborne – 40 yr. experience
- Patricia Arauz-Corrow – 23 yr. experience
- Luz D. Sanes-Guzman – 33 yr. experience
- Raymond De La Cruz – 25 yr. experience
- THE SOLAR DOCTOR ONLINE
- QUEST POWER INTERNATIONAL, LLC