

# Hydroelectric-Supported Microgrids in Puerto Rico

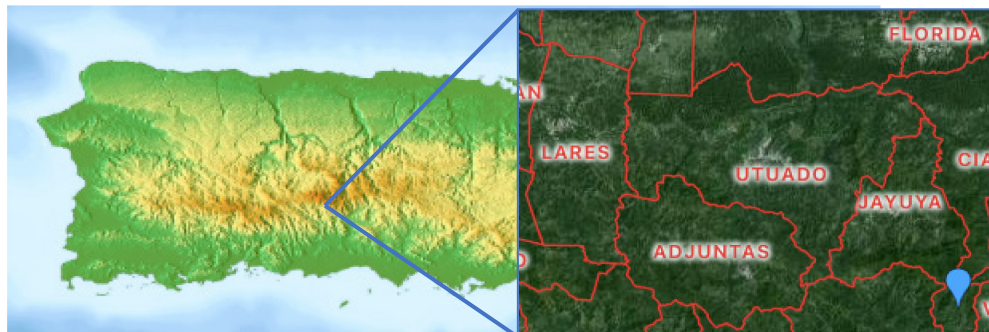
## The Cooperativa Hidroeléctrica de la Montaña (C. P. Smith)

- The Cooperativa's mission is to provide cost-effective, resilient energy to the residents of the mountainous municipalities of Utuado, Adjuntas, Lares, Maricao and Jayuya.
- The Cooperativa has engaged in >6 years of community engagement and outreach, which has led to the installation of two solar-power microgrids.
- The Cooperativa intends to install more microgrids with diversified energy technologies for the ~95,000 residents in its service area to improve energy and technological alignment with specific community's needs and opportunities.

## Green Power Technologies Puerto Rico (Sam Talman)

- GPTPR is a small business incorporated in Puerto Rico focused on developing distributed hydroelectricity throughout the island.
- GPTPR's technology produces renewable, cost-effective, base-load electricity that can reliably support rural and remote communities.
- Through energy production and sales, GPTPR aims to primarily impact low-income, Puerto Rican communities that are suffering an unduly high energy burden.

The Puerto Rico Hydro Microgrid Partners team aims to address the energy challenges currently faced by residents in mountainous communities in Puerto Rico and provide them a hydroelectric solution that aligns with their resilient energy goals. Notably, these last-mile communities are burdened by electricity prices above \$0.25/kWh with frequent outages of sustained duration. With the experience the Cooperativa has with community outreach and engagement, combined with the technological expertise of GPTPR, this team plans to incorporate renewable energy in disadvantaged communities that will expand upon the pure solar solutions that the Cooperativa has in operation. This initiative will serve as a model for sustainable economic growth in disadvantaged communities in Puerto Rico.



Hydro-Powered  
Microgrid  
+  
Improved Community  
Resilience