In September 2017, Hurricanes Irma and Maria devastated Puerto Rico’s energy infrastructure, causing the worst blackout in US history with 3.4Bn hours of electricity lost.

**Context**

In September 2017, Hurricanes Irma and Maria devastated Puerto Rico’s energy infrastructure, causing the worst blackout in US history with 3.4Bn hours of electricity lost.

**Project Approach**

Determine pathways for EDF to mobilize financing to rebuild resilient and sustainable energy infrastructure in Puerto Rico

- Identify rebuild options that meet both resiliency and sustainability standards
- Explore potential sources of capital to close the financing gap for rebuild
- Propose action plan for EDF based on scenario analysis around financial, political and economic uncertainty

**Analysis & Key Insights**

Financing Gap Analysis

Current financing gap of at least $7-9bn after federal funding and initial private project proposals. PROMESA fast-tracking and PPP framework are key to attracting future development projects.

**Problem Statement**

EDF has deep expertise in engaging private sector stakeholders to address complex environmental, social and governance (ESG) issues. Through its Sustainable Finance Team, EDF seeks to establish itself as an influential partner in mobilizing financing for rebuilding resilient and sustainable energy infrastructure in Puerto Rico.

**Current State**

Capital investment and technical support committed to rebuilding Puerto Rico’s energy infrastructure are inadequate to meet desired resilience and sustainability standards.

**Desired State**

Puerto Rico has access to sufficient capital and technical support to rebuild energy infrastructure with improved resilience against natural disasters and low carbon intensity in-line with the Paris Climate Accord.

**Scenario Planning Tool**

EDF should act on a 18-month timeline to make progress on its objectives. They should play a role in educating stakeholders and in providing a credible path to help deploy capital.

**Impact vs Feasibility Matrix**

EDF should prioritize its efforts and focus on 3 initiatives: (i) pilot microgrids with influential local stakeholders; (ii) build public trust and mobilize communities; and (iii) aggregate, assess and elevate innovative pilots.

**Recommendations: Priority Initiatives**

- **Pilot Microgrid with Influential Local Partner**
  - EDF can mobilize influential local stakeholders to partner on a microgrid pilot
  - Consider opportunities to work with Puerto Rican corporate energy consumers on the development of a microgrid
  - Launch a PR campaign on transitioning to clean energy that elevates community interests and concerns

- **Build Public Trust and Mobilize Communities**
  - EDF, as a neutral party, can assess public sentiment and share those findings to help heal the divide
  - By aggregating and analyzing innovative pilots, EDF can shine a light on potential investment opportunities

- **Aggregate, Assess and Elevate Innovative Pilots**
  - By aggregating and analyzing innovative pilots, EDF can shine a light on potential investment opportunities

**Next Steps**

- Develop platform and framework for tracking and analyzing completed and ongoing pilots

**Our team**

- Faina Rozental
- Katie Brown
- Lucy Zhang
- Lydia Li
- Julian Ortiz