



**The Puerto Rico Chamber of Commerce  
presents...**

# **Forum III: Entrepreneurship Rebirth: New Vision and Energy Infrastructure**

**Thursday June 21st  
2:30pm-5:30pm / Índigo Room**



**US Department of Energy Overview on New  
Vision and Energy Infrastructure of Puerto Rico**

**Larry Mansueti  
Office of Electricity  
U.S. Department of Energy**



**RENACER EMPRESARIAL**



### DOE's Role: Assist on Response, Restoration and Recovery

#### ***Response & Restoration:*** Lead for Providing Energy-Related Expertise to Federal Agencies

- Provided information and analysis about energy disruptions
- *Provided numerous personnel in Puerto Rico and for remote support*

#### ***Recovery:*** Focus on Longer-Term Electricity Reliability and Resilience

- Principles:
  - *Leveraging the electric grid to spur economic growth in Puerto Rico's various communities and economic sectors, including health care, manufacturing, tourism, and agriculture, is essential to revitalization of the island*
  - Electricity infrastructure: designed, built, managed, and maintained to withstand likely stresses, ameliorate disruptions when they occur, recover quickly, & incorporate lessons learned into post-event planning and operations



# Forum III: Entrepreneurship Rebirth: New Vision and Energy Infrastructure

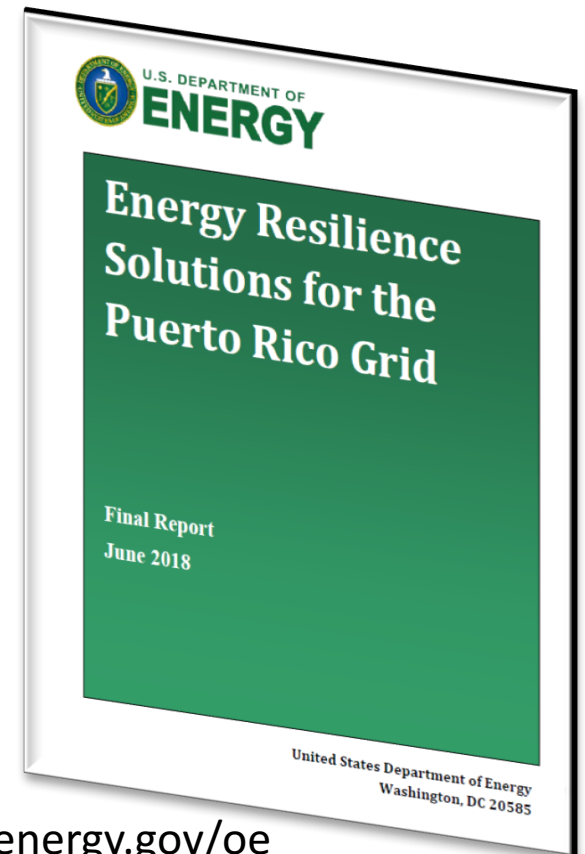
## DOE's Role: Assist on Response, Restoration and Recovery

### ***Recovery: Focus on Longer-Term Electricity Reliability and Resilience (cont.)***

- *Technical Assistance for Microgrids*
  - Examine feasibility & optimal siting for critical infrastructure & remote communities
  - *Assessments for Puerto Rico Industrial Development Company (PRIDCO) industrial sites*
- *Near-Term Grid Modeling Support*
  - Multi-DOE Lab effort building a near-real-time dynamic model of the Puerto Rico power system – operational tool as well as for planning
  - *Can help determine most beneficial placement of money in strengthening Puerto Rico's grid & increasing its resilience*
- *DOE Support for Interagency Efforts*
  - Modeling effort will also inform priorities of immediate concern to better prepare Puerto Rico for the upcoming storm season
- *New DOE Report on Energy Resilience Solutions for the Puerto Rico Grid*
- *Policy and Regulatory Framework: Southern States Energy Board effort*

## New DOE Report on Energy Resilience Solutions for the Puerto Rico Grid

- Contains resilience recommendations for the Government of Puerto Rico to consider for incorporation into its recovery plans, including for consideration by the Governor in his Report to Congress.
- Recommendations:
  - *Contains five recommendations that can be acted on now to improve electric system performance for this hurricane season*
  - 30 mid-to longer-term recommendations in four categories:
    - Categories: Transmission & Distribution; Generation; System Operations, Management, and Planning; and Microgrids
    - Several recommendations need further analysis, if possible with PREPA, and the Gov't of Puerto Rico





### DOE's Recommendations for this Hurricane Season

1. *Ensure updated, effective mutual aid agreements and Incident Command System are primed to quickly provide support during the next event*
2. State Office of Energy Policy, or its successor, in coordination with other appropriate agencies & instrumentalities, should immediately commence drafting of an updated Energy Assurance Plan. Plan should provide for, among others, the use of the Incident Command System including the immediate establishment of a standing Incident Management Team.
3. *PREC/Puerto Rico Telecommunications Board joint study to determine & enforce safe loading requirements of distribution poles carrying both electric and telecom infrastructure*
4. Replace temporary, restored transmission towers with monopoles
5. *PREC, in coordination with PREPA, should implement microgrid regulations in line with accepted industry standards and practices; & establish effective, efficient, and reasonable interconnection requirements & electricity wheeling regulations.*

### **Puerto Rico's Electricity System**

*Success ultimately depends on the leadership and commitment of the Government of Puerto Rico and entities such as PREC and PREPA to carefully identify Puerto Rico's electricity needs, assess the options, and make their own determination of a strategy that meets long term goals and instills confidence for existing and new industries to invest on the island.*



# Gracias

Síguenos en:



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