



Puerto Rico Incident Management Team (IMT) Hurricane Maria

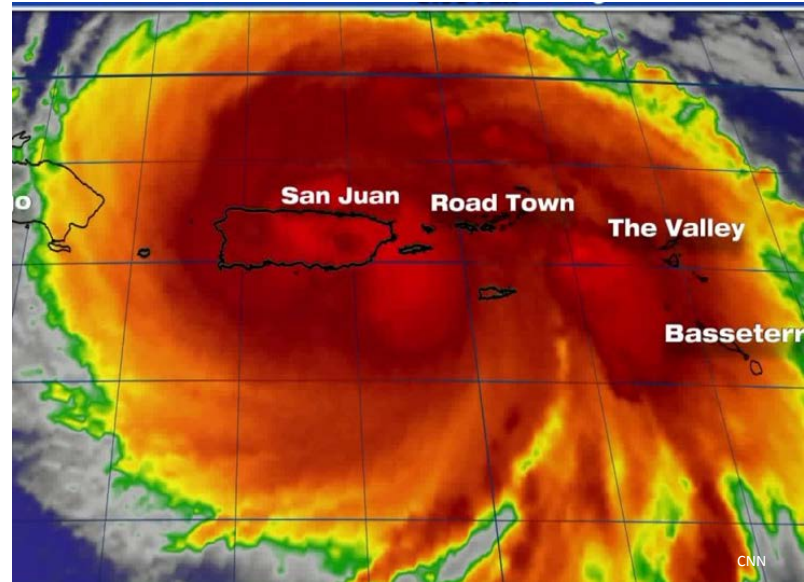
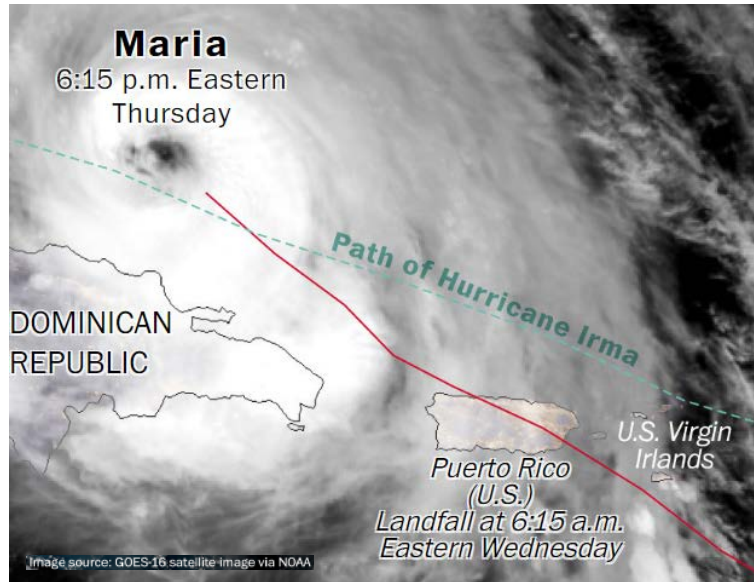


Danny Ee
Director, Smart Grid & System Operations

Paul Vasquez
Superintendent, System Operations

EUC: April 16, 2018

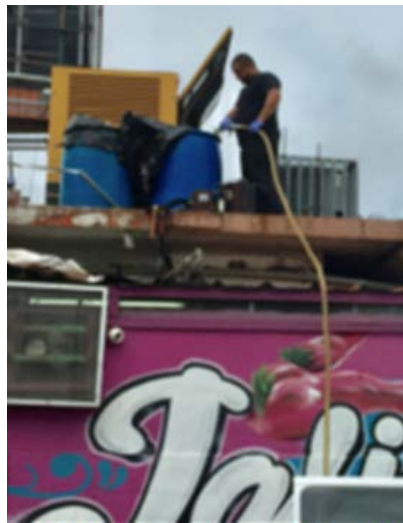
Hurricane Maria



- Sept 6th Hurricane Irma hits the island
- Maria makes landfall on September 20th as a Category 4
- Most powerful hurricane in over 80 years
- Catastrophically damaged the power grid impacting 3.4 million residents
- Puerto Rico Electric Power Authority (PREPA) requested Mutual Assistance Oct 31st



The Devastating Effects





The Challenges

- **Widespread Outage** - Only 20% restored
- **An Island** – Everything has to be shipped in
- **Mobilization**
 - Materials & Equipment
 - Restoration Crews
- **Coordination & Planning**
 - Unified Incident Command Structure
 - Accurate Damage Assessments
- **Country Infrastructure**
 - Damaged Roadways
 - Water Supply
 - Fuel
- **Adverse Driving Conditions**



**American Public Power
Association (APPA)**

- Austin Energy
- Salt River Project
- City Public Services





What We Did



Austin Energy Personnel helped to safely restore the power grid through:

- Fostering relationships with PREPA, USACE, Utility, and Contractors
- Protecting cultural, historic, and natural resources
- Coordinating Planning, Operations, Logistics, and Safety
- Assisting in Public Outreach
- Providing Financial Accounting

*PREPA – Puerto Rico Electric Power Authority
USACE – United States Army Corp of Engineers*



Austin Energy Personnel Supporting Puerto Rico

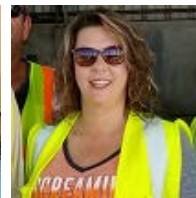
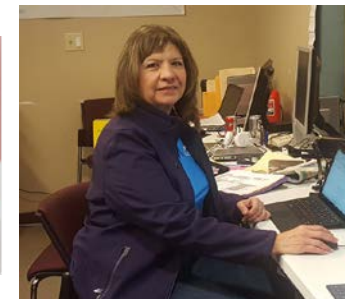
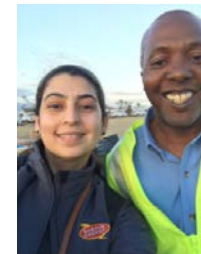
Wave #1 Danny Ee – Planning Section Chief
Paul Vasquez-Logistics Section Chief
Luis Rivas-Public Information/Logistics Support

Wave #2: Shane Cooper – Planning Situational Lead
David Teltow – Logistics Chief
Victor Carr – Operational Technology Assistance

Wave #3: Shane Cooper – Operations Chief
Darren Vicknair – Switching Coordinator
John Bell – Feeder Restoration Supervisor
Clay Hammack – Production Lead (Contractor)
Victor Carr – Operational Technology Assistance

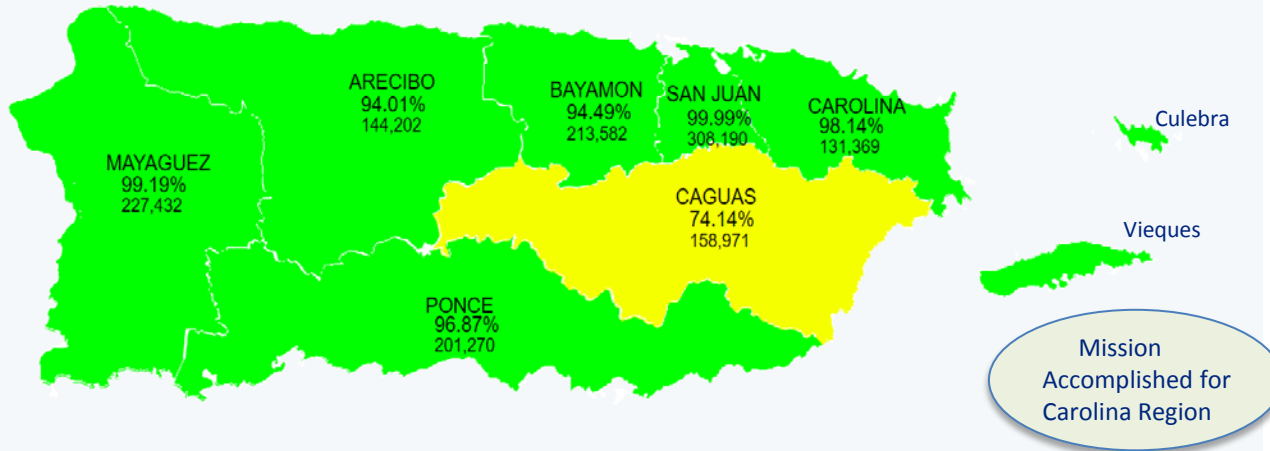
Wave #4: John Bell – Logistics Chief
Alan Shufield – Production Lead
Brian Cokeley – Planning Situational Lead
Victor Carr - Operational Technology Assistance

Finance Support:
Catherine Ross-Lowe
Maria (Belle) Williams
Shierin Shoghi
Juan Mireles
Eddie Washington





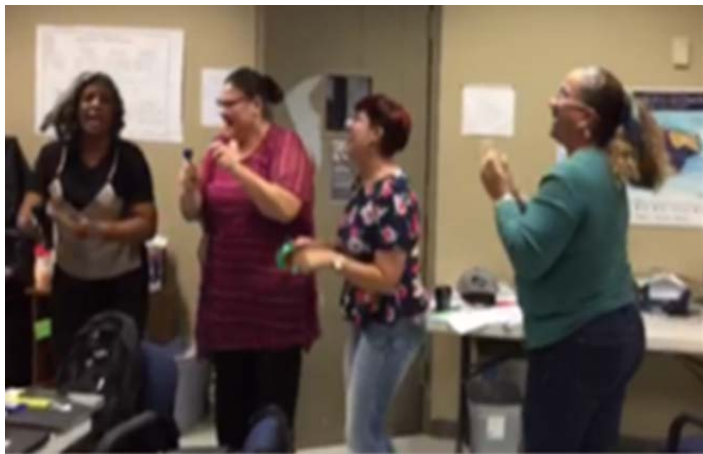
Mission Accomplished



98% restored!

Shifted to Caguas Region

Returned Mid-April





We Are Prepared

Getting the Power Back on in Hard-Hit Areas
Austin Energy responds to Harvey, Irma. [Learn More](#)

► **Our Current Power Generation Mix**
Renewable energy relies upon available wind and sunshine. See today's generation mix. [Learn More](#)

► **Save Money. Save Energy.**
We offer year-round rebates and incentives to help offset the cost of making energy-efficiency improvements to your home or business. [Learn More](#)

► **City of Austin Utilities Online**
[Log In](#)
• Pay your bill securely
• Start or manage your services
• View eBills
• Track your usage

Austin Energy's Incident Command Team Preparing for Hurricane Harvey

Austin Energy's MISSION

To safely deliver clean, affordable, reliable energy and excellent customer service