



Puerto Rico Restoration Efforts
October 2017

Puerto Rico Contract and Scope of Work



- Total payments of up to \$200 million
- Comprehensive damage assessment of existing electrical grid
- Engineering services to aid in the design of a new electric utility grid to Puerto Rico Electric Power Authority (PREPA) specifications
- Construction services to rebuild the electric grid
- Full self-contained solution including all operational and life support related to operating within the disaster area without creating an additional strain on the local population
- The initial mobilization of construction equipment and personnel is expected to begin in the coming days with people currently in place performing an initial damage and engineering assessment to determine the full scope of work required

Cobra Restoration Efforts During Hurricane Harvey



- Cobra Energy was formed in 2017 after expectation of increased long term spending in Electric Transmission and Distribution infrastructure maintenance and new construction
- Cobra Energy provides IOUs, Co-Ops, Municipalities, Private Industry and Federal entities construction, maintenance and emergency repair of high and medium voltage electrical infrastructure
- Resources available: ***Distribution, Transmission, Substation*** and ***Engineering***



Distribution

- 34.5kv – 2.5kv
- Service repair
- Re-conductor
- Complete capital construction efforts
- Operations and maintenance

Distribution Restoration During Harvey



Transmission

- Transmission live line
- Operations and maintenance
- Aviation assets
- Cranes
- Qualified journeyman linemen

Transmission Restoration



Substation

- Erection
- Substation linemen
- Relay technicians
- Commissioning of new substations

Substation Restoration





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