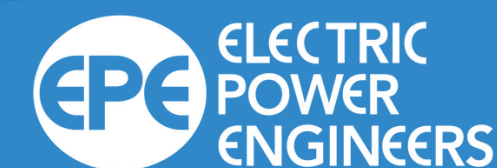


# **AEG's Puerto Rico Energy Week**

**Tamer Rousan**  
**VP, Utilities – Distribution & Grid Modernization**

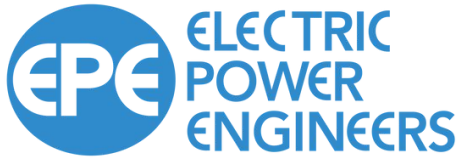
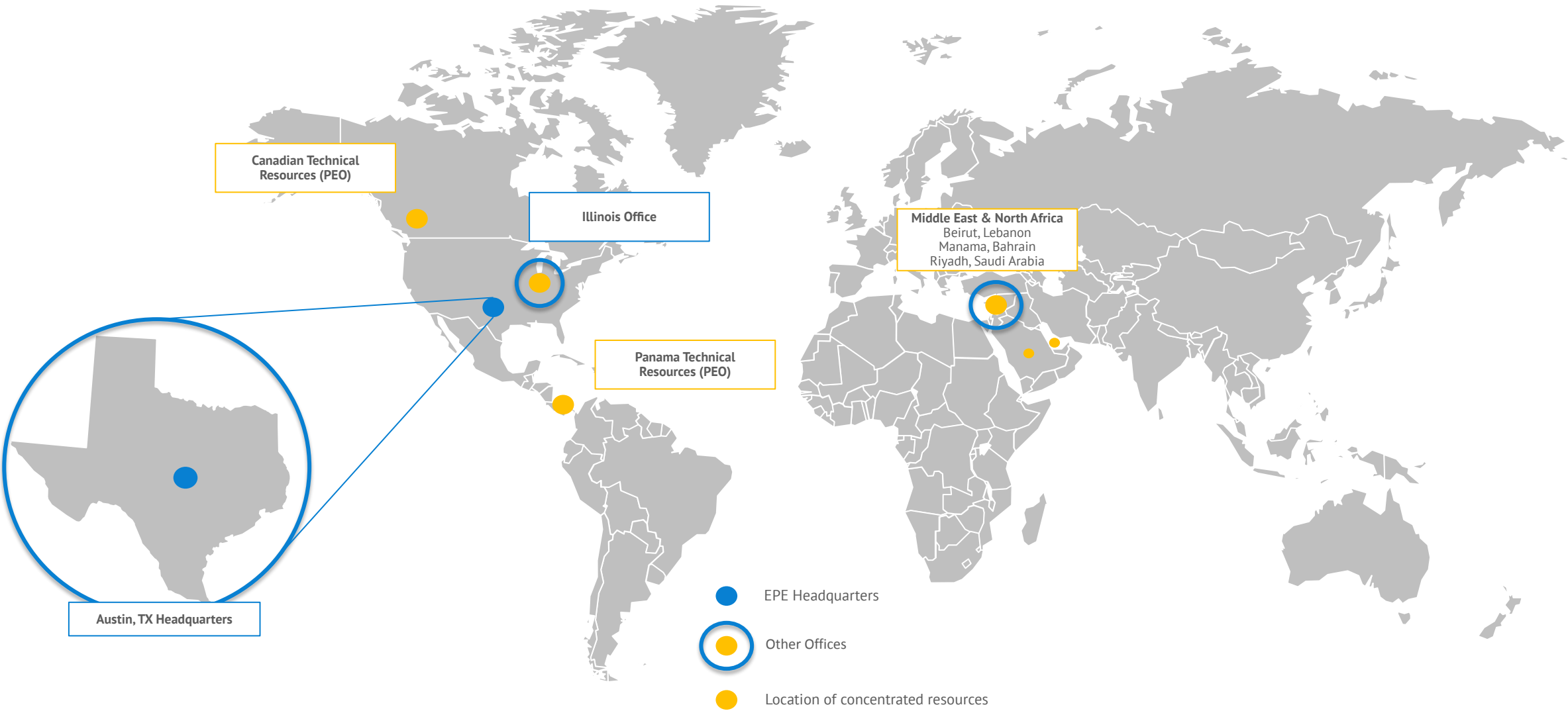


Electric Power Engineers is a leading global power system engineering and consulting firm with more than 50 years of domestic and international experience supporting the industry's full spectrum of generation, transmission, distribution, compliance and technology service needs for utilities, generation owners, developers and key stakeholders in the energy industry. From concept to commissioning to compliance, EPE tailors our services to ensure your project's success, and we consider ourselves an extension of your team.

**160+ Employees | 100+ energy clients | 50 GW in Projects**

# Where We Work

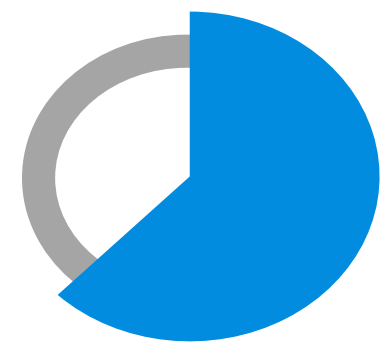
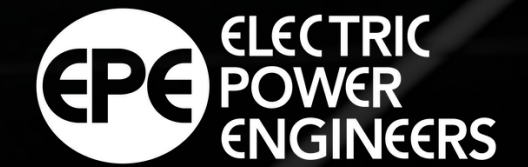
EPE has a distributed workforce of more than 160 colleagues who provide flexible, innovative solutions focused on turnkey electrical engineering services for our customers.



# The Challenge



# Considerations



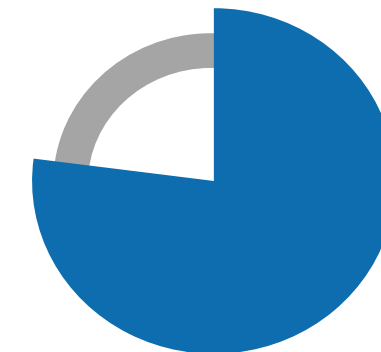
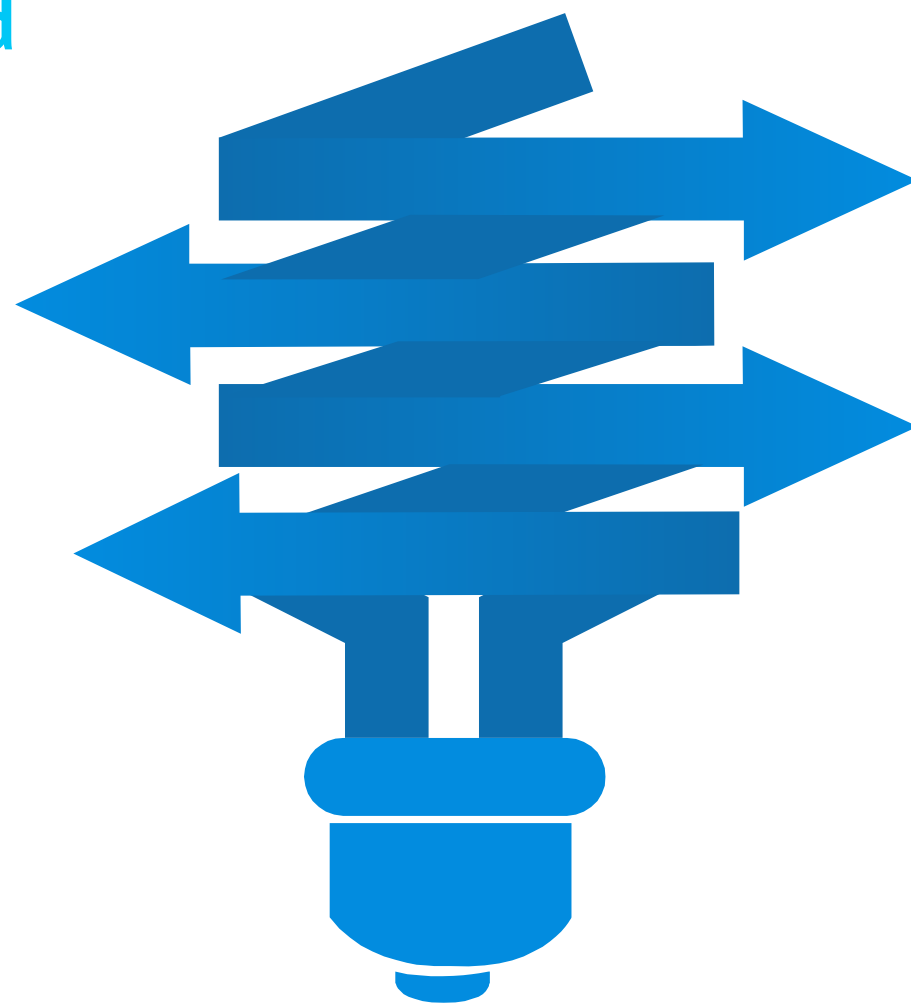
## Modernizing the grid

The opportunity to directly modernize the grid as PR replaces and reconstruct the aging infrastructure



## Best Practices for RE Integration

Leverage best practices from the years of integrating and interconnecting RE on the grid in the US, both on the transmission and distribution level



## T&D Integrated Planning

Plan the system with a T&D integrated planning approach that utilizes scenario planning for the combined T&D system



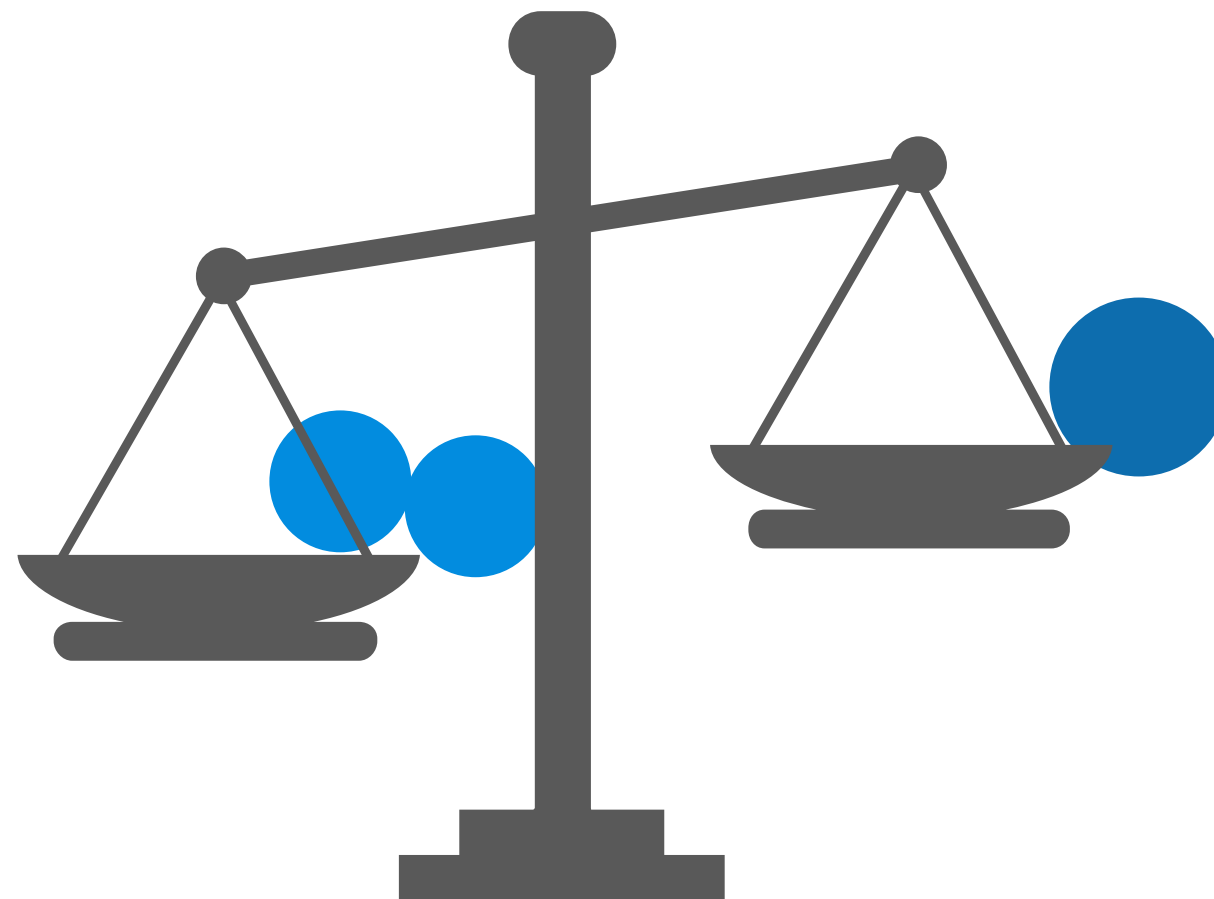
## Equity

Utilize a holistic stakeholder and community engagement approach that includes underserved and underrepresented communities, legislatures, utilities, environmental groups...etc. to design programs and metrics for achieving equitable placement of infrastructure and assets

# Benefits and Consequences

## Consequences

Disparity in the distribution of grid assets, leaving the marginalized and underserved communities behind, which would lead to poor reliability and resilience for these communities

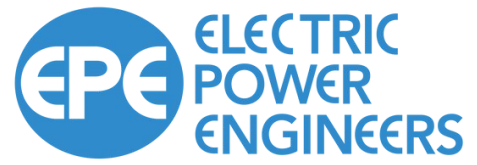


## Benefits

A broadly resilient, reliable and equitable grid with just, equal and fair distribution of its assets, technologies and infrastructure

# Final Statement

To achieve Puerto Rico's desired future, a key issue to address in 12 months is the equitable renewable energy integration and grid modernization of Puerto Rico's grid that will ensure reliable, resilient and clean energy for all Puerto Ricans.



# Thank You

Tamer Rousan

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