

Next Generation Network (NGN) Webinars



Guide for Distribution Resilience Metrics

Summary

This talk presents a practical guide for assessing and improving distribution system resilience through six key metrics, categorized into **system performance** and **operational performance** during storm events. System metrics focus on infrastructure robustness and energy delivery under stress, while operational metrics capture the utility's ability to detect, respond, and restore. Drawing from real-world utility applications and recent grid disruptions, the session introduces a framework for measuring resilience in a manner that supports investment decisions, regulatory alignment, and community expectations. The guide aims to unify technical rigor with policy relevance, offering utilities a repeatable structure to track and enhance distribution resilience over time.

Speaker

With over a decade of experience in power systems and smart grid innovation, Dr. Shikhar Pandey has held senior leadership roles at Commonwealth Edison, where he led distributed energy resource planning, storm performance analytics, and regulatory strategy. He holds a Ph.D in Power Systems and an MBA from the University of Chicago Booth School of Business. He currently serves as Chair of the IEEE Task Forces on Distribution Resiliency and Grid Flexibility, and as the Technology Lead for the IEEE Industrial Technical Support Leadership Committee [ITS LC].

Links & Information

Thursday, July 17, 2025
12 pm CDT | 1 pm EDT

Duration: 1 hour

[Register Here](#)



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