



KINECTRICS

a **BWXT** company

Weatherization Support

Ensuring Grid Reliability During Extreme Weather Events





Recent severe weather events and temperature extremes in both winter and summer have posed significant challenges for grid operators in maintaining overall grid reliability. The February 2021 **Polar Vortex** in the Central US nearly resulted in grid collapse conditions and necessitated recovery via black start. This event highlighted the vulnerabilities that electric grids face during extreme temperature and long-duration weather events.

Implementing a weatherization strategy is crucial for enhancing grid resiliency during such extreme conditions. Where implemented, weatherization programs have demonstrated significant improvements in grid resilience when confronted with challenging and extreme temperatures.

Why Kinectrics?



Decades of Experience

Extensive experience and proven track record in supporting reliability coordinating councils with extreme weather regulatory audits.



Team of Experts

Our team of experts brings deep technical knowledge and practical insights, ensuring comprehensive and effective weatherization strategies.



Commitment to Resilience

We are committed to identifying and addressing equipment vulnerabilities, enhancing grid resilience against severe weather events.



Tailored Solutions

Tailored solutions and dedicated support, ensuring your grid remains reliable and robust under the most challenging conditions.

Innovative Solutions for Long-Lasting Infrastructure

Identifying equipment vulnerabilities and implementing the most impactful preventive actions is crucial. **We can provide experience-based insight to support:**

- Weatherization program development
- Weatherization audits
- Identifying system and equipment vulnerabilities

Kinectrics' Capabilities

- Developing inspection and audit scope conforming to NERC or other requirements
- Experienced personnel to support audits
- Support for audit procedure and process development
- Assessment criteria development
- Staff augmentation to support program implementation

Kinectrics' Expertise

- Dispatchable thermal generation
- Baseload thermal generation
- Renewable generation
- Transmission class switching and transforming substations



Let's work together!

Contact us to safeguard your assets and maintain grid reliability.



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