



Filing Receipt

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Annex W - Weather Related Emergencies Plan

Akua Energy

TG East Wind Project, LLC

Version 1.0

Effective Date: 04/15/2022

Preparations for Operations During Extreme Cold Weather Conditions

For severe cold weather, Akua Energy - TG East Wind Project, LLC shall identify, through inspection, areas of the generating facility that may be most vulnerable to malfunction during extreme cold events. TG East Wind Project staff shall ensure the following:

- TG East Wind Project staff will ensure heat tracing is present and functional for all appropriate exposed instrumentation and/or equipment, where applicable.
- Where appropriate and necessary, temporary barriers shall be erected to shield sensitive or exposed equipment and instrumentation from wind and freezing precipitation.
- Temporary barriers may be constructed of plastic sheeting or other material that is sufficient to protect exposed equipment and instrumentation, and may contain, if conditions warrant, a portable heat source to keep temperatures above freezing in the designated area.
- Other measures may be taken, as the generation facility staff see fit, to protect the facility during an extreme cold weather event.

Preparations for Operations During Extreme Hot Weather Conditions

For extreme hot weather, TG East Wind Project staff shall ensure the following:

- Proper ventilation is present and functional for any areas where extreme hot temperatures may negatively impact generator output.
- In addition to this, portable fans may be mobilized to force air around potentially affected areas.

In all cases, TG East Wind Project's staff will ensure that any substation or switchyard equipment that it owns is properly weatherized. This includes the following:

- Ensuring all breaker and transformer oil levels, SF6 levels, nitrogen levels, and air compressor tank levels are adequate for that equipment manufacturer and model.
- Heaters in breaker and transformer cabinets are functioning properly
- Adequate supply of spare gas and oil is available to be used during an emergency

It is important, after any weather-related emergency, to analyze the performance of the generating plant, identify any equipment failures that occurred (if any), and develop and action plan to address those issues. These issues may include the following:

- A list of equipment that failed during the last cold or hot weather event must be identified and addressed. Additionally, any critical failure points identified must be tracked through the normal maintenance processes to ensure appropriate maintenance has taken place for the identified equipment. Any facility equipment design limits that could limit generator output must be identified and addressed, to the extent possible, to ensure no interruption of operations occurs during an extreme weather event.
- TG East Wind Power's staff shall actively monitor all potential extreme weather events that may affect their facilities, to include severe weather and operational circumstances arising from those events. TG East Wind Power staff will continue monitoring weather forecasts and ERCOT operational data aid in predicting conditions on the BES that may impact operations.
- If the facility is located in an area where flooding is expected, it is imperative to ensure entry and egress routes are hardened to the extent possible. Make sure to elevate and/or secure equipment that may be subject to being carried away by flood currents, and ensure cabinets, control house, and other fixed structures are weatherproofed to extent possible.

The following files are not convertible:

Annexes B-E - AE-TGEWP-EOP-001
Emergency Operations Plan.xlsx

Please see the ZIP file for this Filing on the PUC Interchange in order to access these files.

Contact centralrecords@puc.texas.gov if you have any questions.