



**Q&A and Additional Preliminary Voltage
Performance Findings for the Benchmark
GMD Event**

Minnie Han
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PGDTF Meeting

Questions from March 2020 PGDTF

- Voltage deviations in cases with Category A outages applied
 - 2022 Summer Peak: one low voltage deviation exceeding 8%
 - 2022 Minimum Load: no voltage deviations exceeding 8%
- GIC induced reactive losses
 - 2022 Summer Peak: 1221 Mvar
 - 2022 Minimum Load: 1248 Mvar
 - Transformer losses are added to the high side in PSSE
- Thermal loading on lines
- Mvar reactive reserve on generators

Other Initial Concerns

- Case tuning
 - Preliminary results did not involve voltage tuning
 - ERCOT will work with individual TSPs for voltage tuning as needed
- Voltage concerns on the 69 kV system

Preliminary Voltage Findings – Category B Outages

- One contingency resulting in a low voltage violation in the 2022 Summer Peak case
 - No additional voltage deviations larger than 8%
- No low voltage violations in the 2022 Minimum Load case
 - No voltage deviations larger than 8%

Preliminary Recommendation and Next Steps

- No proposed changes to the steady state voltage performance criteria for the benchmark GMD Vulnerability Assessment
- ERCOT is continuing to work with some Resource Entities for clarification on their responses to the M-A062118-06 Operations Market Notice
- A list of Resource Entities that have not responded to the Market Notice will be sent to ERCOT Compliance

Please send any questions or comments to
GMDVA@ercot.com