**Meeting Minutes**

**ERCOT Planning Geomagnetic Disturbance Task Force**

**May 10, 2022, 9:30 am – 12:00 pm, WebEx**

1. PGDTF transition update

* PGDTF leadership will be presenting the transition plan to RPG – this is the last group we need to present the plan to
* SSWG has finalized their scope and manual to incorporate GIC responsibilities, and waiting for ROS’s approval.
* PLWG noted that the additional GIC responsibilities are already covered under their existing scope and manual, so no changes were required
* Once both updates are completely ready and final, as well we get a chance to present to RPG we will bring the Task Force sunsetting to a formal vote at ROS, hopefully June or July.
* Still to be determined: Timeline for the transition

1. SCR 818 Update

* Endorsed by PRS – 03/09/2022
* Approved by TAC – 03/30/2022
* Recommended for approval by the ERCOT Board – 04/28/2022

1. TAMU GMD and EMP research and development

* Prof. Thomas J. Overbye presented the Recent GIC Researches at Texas A&M University. The PPT file is posted at: <https://www.ercot.com/files/docs/2022/05/11/TAMU_GMD_Update_May2022Final.pptx>
* The goal of the presentation is to update the task force on recent work that has been taking place at TAMU
* Specific TAMU GIC Research Areas include:
  + - Performing specific GMD studies associated with NERC TPL-007-4
    - Develop and run the Texas Magnetometer network
    - Create realistic GMD scenarios including severe ones
    - Develop better solution algorithms, particularly for the voltage-stressed conditions associated with heavy GICs; also develop better sensitivity techniques and couple with harmonic analysis
    - Develop interactive simulations of GIC events
    - Develop improved algorithms for GIC mitigation
    - Develop better visualization techniques
* TAMU has deployed a network of six magnetometer’s around the state. The data is available in real-time to all Texas utilities, measured every second.
* The ability to simulate severe events in power flow and stability programs allows for the development of mitigation approaches. TAMU is currently doing research in this area, including the development of better sensitivity algorithms.
* Mitigation includes what could be done before an event and what can be done during an event.

1. Other Business

* PGDTF leadership will be presenting the transition plan to RPG on May 17th.
* Remind: ERCOT will start the GIC model building next year. Please be prepared to gather the GIC data and equipment information in your system.
* The next PGDTF meeting is on July 18, 2022.

**Rollcall May 10th , 2022**

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| **Attendee** | **Company** | **Attendee** | **Company** |
| Jorge Canamar | Sharyland | Charles Gibune | DME, Sharyland |
| Jianhui Zhang | Austin Energy | Craig Wolf | ERCOT |
| Chunk Costello |  | Doug Evans | STEC |
| Alfonso Galindo | EPE | Dylan St. John | LCRA |
| Tom Overbye | TAMU | JM |  |
| James Okenfuss | Savion | Eric Meier | ERCOT |
| Chris Ngai | ERCOT | Eric Lotter | GridMonitor |
| Christina Minchew | CTT | Sisk Lindy |  |
| Jahnavi Lakkireddy | Oncor | Teddi Flessner | STEC |
| Larisa Loyferman | CenterPoint | Omer Siddiqui Mohammed | CPS |