

# **IEEE PES Energy Development and Power Generation Committee**

## ***Wind and Solar Power Plant Interconnection and Design Subcommittee - Report to Generation Committee***

### ***Atlanta PES 2022***

Chairman: Tom Key (SC)

Date: July 21, 2022

Time: **08:00 am - 10:00 am**

Location: Denver, CO

## SC Structure (**no change**):

- Wind and Solar SC, Chairman Tom Key
  - WG on Wind and Solar Power Plant Design, Chairman Loran Powers
    - TF on Wind and Solar Plant Grounding, Chairman Rob Schaerer
  - WG on Wind and Solar Plant Interconnection, Chairman Jen Boemer

## Summary Wind and Solar Plant Design WG:

- Design WG met in Denver on Tuesday 5-7pm before the SC meeting, ~40 attended in person and vitrually.
- No paper or panel sessions at PES. A grounding tutorial was held at the T&D conference in New Orleans, ~35 attended.
- The Grounding TF has been meeting virtually on line, and conducted a grounding tutorial at the T&D conference maintaining Stds 2760 and 2778.

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# SC Agenda Denver

1. Welcome and Introductions
  - Review of minutes from Aug 2021
2. Power Plant Design Report (IEEE 2760, 2778, WG plans)
3. Distribution System Interconnection Report (IEEE 1547, .2, .9, Gateway, 2030, C84.1)
4. Bulk System Interconnection Report (2800, P2800.2, PV Mod)
5. Coordination Activities
6. Old Business
7. Future Meeting and Session Plans
8. Review Action items
9. Adjourn

# Interconnection Std Updates

- Transmission Interconnection Performance Requirements Standard 2800 and P2800.2 (Andy Hokie, NREL)
- Distribution Interconnection Performance Requirements IEEE1547-2018 and Test Standard P1547.1 (Andy Hoke, NREL)
- Distribution Interconnection Application, P1547.9 (Mike Ropp, Sandia Lab)

# Sub-Committee Coordination

- International Practices DER Integration WG
- SCC-21 and IEEE 1547, 1547.1, .2, .9 and new .10 PAR
- IEEE 2800 and P2800.2
- PES Wind and Solar Standards Coordinating Committee
- EMC, Renewable Energy Machines SC
- FERC SGIP and LGIP, also NERC
- Other

# New Business for Generation Committee

- No new PAR at this time
- For 2023 PES
  - Will need 2-hour meeting time for both WGs and one TF
  - Planning to offer two tutorials (smart inverters and grounding for PV and wind plants)
  - Also expect panel sessions for both WGs