

Variable Energy Resources Working Group
Scope Document





Purpose

The SERC Engineering Committee (EC) Variable Energy Resources Working Group (VERWG) shall work to evaluate the effects of variable energy resource integration on the reliability of the Bulk Power System (BPS) in the SERC Region.

Responsibilities and Activities

The VERWG would conduct SERC delegated assignments with regard to the reliability impact of variable energy resources (VER), including the following

- Annually collect data for trending and analysis on relevant VER activity in the SERC Region, and as needed and when requested by North American Electric Reliability Corporation (NERC), pertaining to integration of variable resources.
- Evaluate, analyze, and communicate planning, implementation, and operational topics as related to VER integration, and share the experience with other SERC groups.
- Monitor ongoing industry activities, including those of the Federal Energy Regulatory Commission (FERC), NERC, North American Transmission Forum (NATF) and Electric Power Research Institute (EPRI), and incorporate, as appropriate, recommendations from these groups and other industry groups into the VERWG work plan.
- Represent SERC on NERC committees and initiatives as directed by the EC and monitor other Regions with high VER penetrations for lessons learned.
- Develop relevant issue papers and presentations
 - a. Evaluate, analyze, and communicate the planning, implementation, and operational topics.
 - b. Focus on future year topics based on industry lessons learned and trends identified from SERC data collection.
- Informally share VER integration (planning, implementation, and operational experiences) lessons learned, including the need (if applicable) to develop and offer future training opportunities.
- Have four to six conference calls or in-person meetings per year as determined by the group. Additional calls or in-person meetings may be required of certain subsets of the VERWG as determined by deliverables and work plan activities.

Representation

Each SERC Region member registered as one or more of the following functions, Planning Coordinator, Transmission Planner, Generator Owner, Transmission Owner, Reliability Coordinator, or Balancing Authority is entitled to one representative and one alternate on the

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VERWG. VERWG members cannot be marketing function employees as defined by FERC regulations and the FERC Standards of Conduct, and must be signatories to the SERC confidentiality agreement.

The leadership of the VERWG comprises a chair and vice-chair. The chair of the SERC EC appoints the VERWG chair for a two-year term. The VERWG will elect a vice-chair for a two-year term. The vice-chair will normally succeed the chair.

All VERWG representatives should be knowledgeable to perform all of the responsibilities and activities as defined in this scope document.

Governance

If a vote is required, each member of the VERWG shall have one vote. A simple majority of the VERWG representatives present at a scheduled meeting or conference call is needed to approve any motion or vote. VERWG will also abide by the *Organization and Procedure Manual for SERC Technical Committees*.

Reporting

The VERWG reports to the EC.

Revision History

| Revision | Date | Originator | Comments |
|----------|-----------|------------|----------------------------------|
| 0 | 3/1/2017 | | Original issue |
| 1 | 7/31/2018 | VERWG | Update for committee restructure |
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