

PES Activities Related To Wind Power

Existing Groups

	Group	Leaders	Sponsoring Committee	Activities
1	Working Group on Renewable Technologies	Rama Ramakumar, chair	ED&PG	Organizes numerous panel sessions on wind power and other renewable generation technologies
2	Task Force on Dynamic Performance of Wind Power Generation	Abraham Ellis, chair Jeff Smith, vice-chair Ernst Camm, secretary	PSDP	Developing standardized dynamic simulation models for wind turbines and wind plants. Sponsoring panel sessions on factory/site testing and model validation.
3	Capacity Value of Wind Generation Working Group	Mark O'Malley, chair Michael Milligan, vice-chair	PSACE PSO	Preparing a working group paper on the capacity value of wind generation.
4	Wind Plant Collector System Design Working Group	Ernst Camm, chair Nader Samaan, vice-chair Mitch Bradt, secretary	ED&PG T&D	Preparing a panel session and a series of working group papers on different aspects of collector system design, including grounding and overvoltages, reactive power compensation, collector system design, WTG characteristics, and redundancy/reliability/economics.
5	Short Circuit Fault Contribution from Wind Generators	Dean Miller – PSRC Reigh Walling – T&D Ron Harley - EMC	PSRC T+D EMC	To characterize and quantify short circuit current contributions to faults from wind plants for the purposes of protective relaying and equipment rating, and to develop modeling and calculation guidelines for the same.
6	Task Force on Protecting WTGs from Lightning Strikes and Surge Events	Frank Waterer, TF chair Ray Hill, SC 3.6 chair	SPD	Presently collecting information on the subject.
7	Renewable Energy Integration Subcommittee	Satish Ranade	T&D	Home of the Collector Design WG, Other activities not known.
8	Integration of Wind and Solar Power into Power System Operations	Bill Grant, chair	PSO	Address issues such as Unit Commitment, Load Following, and Regulation, real time operations, reserves, etc.
9	Renewable Energy Machines and Systems Working Group	???	EMC	Modeling, design and control aspects of renewable energy machines
10	Intelligent Control of Wind Plant Generators Working Group ??	???	PSACE	Mohamed El-Sharkawi says this is under PSACE Intelligent Systems Subcommittee

