Technical Meeting
Tuesday September 21, 2010 | 6:30PM
Olin College, Needham, MA

Distributed Generation
James Cleary, Lead Senior Engineer, National Grid USA

If you are interested in joining the Boston PES Chapter or joining the IEEE, please come along and talk to some of the Committee members.

This presentation will provide an overview of the basic types of distributed generation through a comparison of costs, output/energy and capacity factors, and state incentives and market drivers. The discussion will also review typical utility interconnection challenges such as planning, loading and voltage regulation, protection and control, intermittency, and monitoring through personal experiences. Some international comparisons gleaned from IEEE conferences will also be shared.

Speaker's Bio

Jim has 24 years of experience in Distribution Planning and Engineering at National Grid in Massachusetts. His past 5 years have been spent largely on system integration of Distributed Generation on 35 kV systems and below: including solar, wind, hydro, co-generation, landfill gas and flywheels.

Jim is currently involved with integration of multi-MW PV (photovoltaic) and wind generation on 15 kV class distribution feeders. He has interests in power quality and voltage impacts of large scale Distributed Generation. He is investigating advanced utility scale PV inverters and dynamic voltage support from DG.

He is active on the IEEE 1547.7 "DG Impacts" Working Group, and is a Senior Member of the IEEE. Jim has a BSEE and MBA from Worcester Polytechnic Institute and is a Registered Professional Engineer in Massachusetts.

The meeting will be held at Olin College in Needham, MA. The presentation will start at 6:30PM.

For further information please call Bryan Gwyn on 781-907-3229 or email him at bryangwyn@ieee.org.

Directions to Olin College

Take Route 95/128 to exit 19B (Highland Avenue, Needham). Follow Highland Avenue for 1.5 miles to a three-way intersection with Chapel and May Streets; bear slight right onto Chapel Street (to the right of the gas station). Take a right at the first light onto Great Plain Avenue/Rte 135. Proceed on Great Plain Avenue for 1.5 miles and the Olin College campus will be on the right. Enter the campus at "Olin Way" and follow the road around to the left to parking lot A, which provides access to all campus buildings. The meeting is being held at the Auditorium at Milas Hall.