



Carl Imhoff

Manager
Electricity Market Sector

Pacific Northwest National Laboratory

Biography

Mr. Imhoff manages the Electric Infrastructure market sector within Pacific Northwest National Laboratory's Energy and Environment Directorate. The market sector conducts advanced electric infrastructure research and product development with the U.S. Department of Energy, state governments, vendors, and commercial energy firms. In this role he is responsible for PNNL's research and development programs on innovations in the areas of advanced power transmission reliability concepts, demand response, development of improved integration concepts for renewable energy generation technologies, policy and strategy for smart grid concepts, and cross-cutting grid analytic tools in visualization and high performance computing.

As leader of PNNL's Laboratory Objective for a Secure and Efficient Grid, Mr. Imhoff is accountable for Lab-level strategy and execution of strategic development for grid strategy, capabilities, and partnerships, ensuring continued leadership by PNNL in grid modernization over the next decade. In November 2014, Mr. Imhoff was selected by DOE as Laboratory Integrator Team Chair for the DOE Grid Modernization Laboratory Consortium. This Consortium is charged with increasing integration among DOE offices and national laboratories working to transform the U.S. power grid to meet the consumer, economic, environmental, and security priorities of the 21st century.

During his 30-plus years at PNNL, Mr. Imhoff has conducted and managed a broad range of energy research. His technical work emphasizes systems engineering and operations in the areas of power system reliability, smart grid, energy efficiency, energy storage and clean power generation. He has been actively involved in a number of electric power system organizations and bodies, including the North American Synchrophasor Initiative, the GridWise Alliance, the Consortium for Electric Reliability Technology Solutions, and the Western Electric Coordinating Council.