



Frank Sharp, PMP
Senior Technical Leader
Energy Efficiency & Demand Response
Power Delivery & Utilization

Frank Sharp is a Principal Technical Leader at EPRI's Knoxville facility and brings over 25 years of real world experience resolving unique technical issues to his work. As a part of EPRI's work, Frank, and EPRI's , indoor agriculture, lighting, data center, and appliance research teams, conduct research on the real-world operation and performance of a wide range of electric indoor agriculture, lighting, daylighting, lighting control, ,data center, and end use appliance technologies. This research consists of the measurement and evaluation of the energy efficiency and demand response potential of these products, as well as the Circadian Rhythm, photometric characteristics, flicker, emissions, EMI / EMC, surge resiliency, harmonics, power quality, lifecycle, water consumption / discharge, water quality, sustainability, and environmental impact of various end use technologies in lab and field conditions. These efforts result in educating and informing a variety of parties on the performance and impact of these technologies and systems.

Currently, Mr. Sharp manages all indoor agriculture and lighting research, as well as portions of data center research and end use device research, at EPRI. Frank also supports EPRI's efforts in the areas of technology scouting, cryptocurrency, UV water purification, robot development, wireless sensor research, pipe line compression, appliance research, beneficial electrification, adjustable speed drives, advanced manufacturing, and power electronics.

Mr. Sharp has held the title Project Manager and Lead Developer several times within his career. Prior to joining EPRI, Frank worked extensively within the IT and computing field and brings a deep knowledge of a variety of industries to his projects. His background includes developing various computer (hardware and software) and lighting solutions for a wide range of clients within the manufacturing, power production, medical, military, and industrial arenas. This experience allows Frank to be highly skilled at accessing the impact of technologies from an electrical, mechanical, financial, social, and environmental prospective. As a result, Mr. Sharp has been very successful at managing and executing a wide range of projects, while still assuring that all technical, communication, and business issues are addressed.