
HLB Engineering

HLB Engineering was established in Mt. Lebanon, PA in 1998 – relocated from Anchorage, AK, est. 1990. Harry Lynn Beck, P.E., a registered electrical engineer in both states, has since been actively engaged in forensic investigation of accidents for insurance firms and law practices; electric power design for large commercial facilities; engineering services, design & commissioning, for electric utility substation systems.

Mr. Beck’s career includes 29 years of electrical engineering experience providing design engineering and project management: utility, industrial, commercial, transportation, mining, and institutional projects.

Types of projects he has been involved with include power generation plants [natural gas, coal-fired, diesel, hydroelectric, wind farm, photovoltaic], electric power substations, transmission and distribution lines, water and sewage treatment plants and lift stations, maintenance facilities, office buildings, restaurants, airports, health facilities, mountain-top weather stations, schools, large commercial retail stores, harbors & marinas, runway and taxiway lighting systems, and a \$450M process-control mine in north-central Alaska.

He has authored technical reports and computer studies in power and control system topics. These studies include short circuit, relay coordination, power flow, capacity improvement, and stability analyses. Mr. Beck has performed electric power sourcing and outage analyses for utilities, government agencies, and private clients. This work includes power sales agreements, interconnection agreements between utilities and pool operators, FERC submissions, project licensing agreements with state agencies, vendor negotiations.

He has investigated accidents involving electric power facilities where death, injury, and significant property damage resulted. Mr. Beck has authored reports to the courts and has testified at deposition and at trial. Engineering work now is devoted almost exclusively to support legal and insurance-related claims but does include consultation for engineering firms and contractors: peer review, project supervision, engineering design, as necessary on a case by case basis.

In addition to his own practice, Mr. Beck has maintained brief contract associations with other engineering firms. This work has included forensic investigation and reporting, expert witness services, design engineering, construction management, counsel to law and insurance industries, professional peer review.

Prior to 1990, Mr. Beck was employed in engineering/management positions with consulting firms and utility organizations. Among these were New England Electric System [NEES] in the capacity of System Protection Engineer; the Alaska Power Authority [APA] in the position of Engineering Operations Manager for Alaska Intertie and Solomon Gulch Hydroelectric Facility; and Coffman Engineers serving as an Electrical Engineer for this multi-discipline engineering consulting firm. He has taught electrical engineering courses at the University of Alaska, Anchorage [UAA] and the University of Texas at Arlington [UTA].

Mr. Beck holds the M.S. & the B.S. degrees in Electrical Engineering, power option, from the University of Alaska, Fairbanks [UAF], an ABET-accredited engineering school. Degrees awarded in 1985 and 1981 respectively. He has completed post-graduate work in electrical engineering at UTA. He is a graduate of the U.S. Navy’s Nuclear Power program and a Vietnam-era U.S. Navy veteran [honorably discharged].

Professional Electrical Engineer	State: PA	Eff. Date: 1999	Status: Current
Professional Electrical Engineer	State: AK	Eff. Date: 1986	Status: Current

Member – Institute of Electrical and Electronics Engineers (IEEE)

Member – National Society of Professional Engineers (NSPE)

Member – Pennsylvania Society of Professional Engineers (PSPE)

Have brains ~ engineering degrees ~ deep experience ~ professional licenses ~ will travel.